

IN THIS ISSUE:  
ANNUAL INDEX TO NUMBERED SERIALS

# Monthly Index *of* Russian Accessions



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HUMANITIES

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## INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS\* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1951 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. *Biul. eksp. biol. i med.* 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

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\* Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.

# SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaOOU	University of Ottawa, Ottawa, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
AU	University of Alabama, University	CaOTR	Royal Canadian Institute, Toronto, Canada. (Collection included with CaOTU)
AkU	University of Alaska Library, College	CaOTRM	Royal Ontario Museum, Zoology and Paleontology Library, Toronto, Canada
AzTeS	Arizona State College, Tempe	CaOTU	University of Toronto, Toronto, Canada
AzU	University of Arizona, Tucson	CaOWA	Assumption University Library, Windsor, Canada
C	California State Library, Sacramento	CaOWtU	University of Waterloo Library, Waterloo, Canada
CBPac	Pacific School of Religion, Berkeley	CaQMAI	Arctic Institute of North America, Montreal, Canada
CCC	Honold Library, Claremont, Calif.	CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal, Canada
CFS	Fresno State College, Fresno, Calif.	CaQMM	McGill University, Montreal, Canada
CL	Los Angeles Public Library	CaQMP	Pulp and Paper Research Institute of Canada, Montreal, Canada
CLCM	Los Angeles County Museum Library, Los Angeles	CaQMU	La Bibliothèque de l'Université de Montréal, Montreal, Canada
CLL	Los Angeles County Law Library, Los Angeles	CaSSU	University of Saskatchewan, Saskatoon, Canada
CLM	Los Angeles County Medical Association, Los Angeles	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CLSU	University of Southern California, Los Angeles	CoCA	U. S. Air Force Academy, Colorado Springs
CLS-U-H	— Hancock Library of Biology	CoD	Denver Public Library
CLU	University of California at Los Angeles	CoDM	Medical Society of the City and County of Denver
CMthL	University of California, Lick Observatory, Mount Hamilton	CoFS	Colorado State University, Fort Collins
CPT	California Institute of Technology, Pasadena	CoU	University of Colorado, Boulder
CSf	San Francisco Public Library	CtHT	Trinity College, Hartford, Conn.
CSfA	California Academy of Sciences, San Francisco	CtNlc	Connecticut College, New London, Conn.
CSfU	University of San Francisco, San Francisco	CtU	University of Connecticut, Storrs
CSmH	Henry E. Huntington Library, San Marino, Calif.	CtW	Wesleyan University, Middletown, Conn.
CSt	Stanford University Libraries, Stanford, Calif.	CtY	Yale University, New Haven
CSt-H	— The Hoover Institution on War, Revolution, and Peace	CtY-L	— Law Library
CSt-L	— Lane Medical Library	CtY-M	— Medical School Library
CSthS	University of California, Santa Barbara Library, Goleta	DAIA	American Institute of Architects Library, Washington, D. C.
CStmoR	Rand Corporation, Santa Monica, Calif.	DAL	U. S. Army Library, Pentagon Building
CU	University of California, Berkeley	DAU	American University Library, Washington, D. C.
CU-A	— University of California, Davis	DBC	U. S. Bureau of the Census Library
CU-B	— Bancroft Library, Berkeley	DBS	U. S. National Bureau of Standards Library
CU-E	— East Asiatic Library, Berkeley	DC	U. S. Department of Commerce Library
CU-L	— Law Library, Berkeley	DCU	Catholic University of America Library, Washington, D. C.
CU-M	— Medical Center, San Francisco	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CU-Riv	— College of Arts, Letters and Science, Riverside	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CU-S	— Scripps Institution of Oceanography, La Jolla	DFR	Board of Governors of the Federal Reserve System
CaAEU	University of Alberta, Edmonton, Canada	DGC	Gallaudet College Library, Washington, D. C.
CaBVa	Vancouver Public Library, Vancouver, Canada	DGW	George Washington University Library, Washington, D. C.
CaBVaU	University of British Columbia, Vancouver, Canada	DHEW	U. S. Department of Health, Education, and Welfare Library
CaBViPA	Provincial Archives, Victoria, Canada	DHFF	U. S. Housing and Home Finance Agency Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DI	U. S. Department of the Interior Library
CaNBFU	University of New Brunswick, Fredericton, Canada	DI-GS	— Geological Survey Library
CaNSHD	Dalhousie University, Halifax, Canada	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CaOKQ	Queen's University, Kingston, Canada	DN	U. S. Department of the Navy Library.
CaOL	London Public Library, London, Canada	DN-HO	— Naval Oceanographic Office Library
CaOLU	University of Western Ontario, London, Canada	DN-Ob	— Naval Observatory Library
CaOOA	Public Archives Library, Ottawa, Canada	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DNAL	National Agricultural Library
CaOCCC	Carleton College, Ottawa, Canada	DNIH	National Institutes of Health Library, Bethesda, Md.
CaOOF	Department of Finance Library, Ottawa, Canada	DNLM	U. S. National Library of Medicine
CaOOG	Geological Survey of Canada, Ottawa, Canada	DNW	U. S. National War College Library, Fort McNair
CaOQGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada		
CaOOH	Laboratory of Hygiene, Ottawa, Canada		
CaOOM	Bureau of Mines Library, Ottawa, Canada		
CaOON	National Research Council, Ottawa, Canada		
CaOONDR	Library, Directorate of Scientific Information Service, Defence Research Board, Ottawa, Canada		
CaOONM	National Museum, Ottawa, Canada		
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada		

DP	U. S. Patent Office Library	MCM	Massachusetts Institute of Technology, Cambridge, Mass.
DS	U. S. Department of State Library	MH	Harvard University, Cambridge, Mass.
DSC	Scottish Rite Supreme Council Library, Washington, D. C.	MH-A	— Arnold Arboretum, Jamaica Plain
DSI	Smithsonian Institution Library, Washington, D. C.	MH-AH	— Andover-Harvard Theological Seminary Library
DSI-AO	— Astrophysical Laboratory Library	MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
DSI-E	— Bureau of American Ethnology Library	MH-BL	— Biological Laboratories Library
DSI-M	— National Museum Library	MH-C	— Chemistry Library
DWB	U. S. Weather Bureau Library	MH-F	— Farlow Reference Library
DeU	University of Delaware, Newark	MH-FA	— Fogg Art Museum Library
FMU	University of Miami, Coral Gables, Fla.	MH-G	— Gary Herbarium Library
FTaSU	Florida State University, Tallahassee	MH-GM	— Gordon McKay Library
FU	University of Florida, Gainesville	MH-HY	— Harvard-Yenching Institute (Chinese-Japanese Library)
GASC	Georgia State College, Atlanta	MH-L	— Law School Library
GAT	Georgia Institute of Technology, Atlanta	MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
GEU	Emory University, Atlanta	MH-Mi	— Mineralogical Library
GU	University of Georgia, Athens	MH-O	— Astronomical Observatory, the Phillips Library
HU	University of Hawaii, Honolulu	MH-P	— Peabody Museum Library
HU-EWC	Center for Cultural and Technical Interchange between East and West	MH-PR	— Physics Research Library
I	Illinois State Library, Springfield	MH-SD	— Graduate School of Design Library
IArg	Argonne National Laboratory, Argonne, Ill.	MH-Z	— Museum of Comparative Zoology Library
IC	Chicago Public Library	MMeT	Tufts University, Medford, Mass.
ICA	Art Institute of Chicago, Chicago	MNS	Smith College, Northampton, Mass.
ICAC	American College of Surgeons Library, Chicago	MShM	Mount Holyoke College, South Hadley, Mass.
ICF	Chicago Natural History Museum, Chicago	MU	University of Massachusetts, Amherst
ICJ	John Crerar Library, Chicago	MWalB	Brandeis University, Waltham, Mass.
ICN	Newberry Library, Chicago	MWelC	Wellesley College, Wellesley, Mass.
ICRL	Center for Research Library, Chicago. Midwest Interlibrary Center	MWhB	Marine Biological Laboratory, Woods Hole, Mass.
ICU	University of Chicago, Chicago	MdAN	U. S. Naval Academy, Annapolis
ICU-Y	Yerkes Observatory, Williams Bay, Wis.	MdBJ	Johns Hopkins University, Baltimore
ICarbS	Southern Illinois University, Carbondale	MdBJ-W	— William H. Welch Medical Library
IEN	Northwestern University, Evanston, Ill.	MdBWA	Walters Art Gallery, Baltimore
IEN-C	— Joseph Schaffner Library of Commerce, Chicago	MdU	University of Maryland, College Park
IEN-M	— Medical School Library, Chicago	MeB	Bowdoin College, Brunswick, Maine
IHI	Illinois State Historical Library, Springfield	MeWC	Colby College, Waterville, Maine
IU	University of Illinois, Urbana	MID	Detroit Public Library
IU-M	— Medical Sciences Library, Chicago	MiDA	Detroit Institute of Arts
IaAS	Iowa State University of Science and Technology, Ames	MIDW	Wayne State University, Detroit
IaU	State University of Iowa, Iowa City	MiEM	Michigan State University, East Lansing
IaU-L	— College of Law Library	MiMidD	Dow Chemical Company, Midland, Mich.
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MiU	University of Michigan, Ann Arbor
IdU	University of Idaho, Moscow	MiU-C	— William L. Clements Library
In	Indiana State Library, Indianapolis	MiU-L	— Law Library
InIA	Indiana Academy of Science Library, Indianapolis	MiWar	General Motors Corporation, Research Laboratories Division, Warren, Mich.
InLP	Purdue University, Lafayette, Ind.	GMR	Carleton College, Northfield, Minn.
InNd	University of Notre Dame, Notre Dame, Ind.	MnNC	Mayo Clinic and Foundation Library, Rochester, Minn.
InU	Indiana University, Bloomington	MnRJ	James Jerome Hill Reference Library, St. Paul
KAS	St. Benedict's College, Atchison, Kan.	MnU	University of Minnesota, Minneapolis
KMK	Kansas State University, Manhattan	MnU-A	— Department of Agriculture Library, St. Paul
KU	University of Kansas, Lawrence	MnU-B	— Bio-Medical Library
KU-L	— School of Law Library	MnU-L	— Law Library
KU-M	— Medical Center Library, Kansas City	MoFC	Central College, Fayette, Mo.
KyU	University of Kentucky, Lexington	MoKL	Linda Hall Library, Kansas City
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MoRM	University of Missouri School of Mines and Metallurgy, Rolla
LU	Louisiana State University, Baton Rouge	MoS	St. Louis Public Library
MA	Amherst College, Amherst, Mass.	MoSB	Missouri Botanical Garden, St. Louis
MB	Boston Public Library	MoSU	St. Louis University, St. Louis
MBA	American Academy of the Arts and Sciences, Boston	MoSW	Washington University, St. Louis
MBat	Boston Athenaeum, Boston	MoSW-M	— Medical School Library
MBCo	Countway Library of Medicine (Harvard-Boston Medical Libraries)	MoU	University of Missouri, Columbia
MBM	Boston Medical Library, Boston	MsSM	Mississippi State University, State College
MBN	Boston Society of Natural History, Boston	MsU	University of Mississippi, Oxford
MBU	Boston University	MtBC	Montana State College, Bozeman
MBdAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	MtU	Montana State University, Missoula
		N	New York State Library, Albany
		NAurW	Wells College, Aurora, New York
		NB	Brooklyn Public Library
		NBB	Brooklyn Museum Libraries, Brooklyn
		NBC	Brooklyn College, Brooklyn

NBG	Brooklyn Botanic Garden, Brooklyn	NJN	Newark Public Library, Newark, N. J.
NBM	Academy of Medicine of Brooklyn Library, Brooklyn	NJP	Princeton University, Princeton, N. J.
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn	NJPT	Princeton Theological Seminary, Princeton, N. J.
NBronSL	Sarah Lawrence College, Bronxville, N. Y.	NJR	Rutgers University, New Brunswick, N. J.
NBuB	Buffalo Society of Natural Sciences, Buffalo	NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NBuU	University of Buffalo, Buffalo	NvU	University of Nevada, Reno
NCH	Hamilton College, Clinton, N. Y.	O	Ohio State Library, Columbus
NCornC	Corning Glass Works Library, Corning, N. Y.	OAkU	University of Akron, Akron, Ohio
NCaC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.	OCH	Hebrew Union College, Cincinnati
NIC	Cornell University, Ithaca, N. Y.	OCLloyd	Lloyd Library and Museum, Cincinnati
NIC-A	— State Colleges of Agriculture and Home Economics	OCU	University of Cincinnati, Cincinnati
NN	New York Public Library	OCI	Cleveland Public Library
NNA	American Geographical Society, New York	OCIBHS	Benedictine High School, Cleveland
NNBG	New York Botanical Garden, Bronx Park, New York	OCICS	Case Institute of Technology, Cleveland
NNC	Columbia University, New York	OCJJC	John Carroll University, Cleveland
NNC-L	— Law Library	OCIM	Cleveland Medical Library
NNC-M	— Medical Library	OCIMA	Cleveland Museum of Art
NNC-T	— Teachers College Library	OCIW	Western Reserve University, Cleveland
NNCC	Chemists' Club, New York	OCoB	Battelle Memorial Institute, Columbus
NNCoCl	College of the City of New York, New York	ODW	Ohio Wesleyan University, Delaware, Ohio
NNCorM	Cornell University Medical College Library, New York	OHI	Ohio State Historical Society, Columbus
NNE	Engineering Societies Library, New York	OKentC	Kent State University, Kent, Ohio
NNF	Fordham University, New York	OO	Oberlin College, Oberlin, Ohio
NNIS	Library for Intercultural Studies, New York	OOxM	Miami University, Oxford, Ohio
NNJ	Jewish Theological Seminary of America, New York	Oste	Carnegie Library, Steubenville, Ohio
NNM	American Museum of Natural History, New York	OU	Ohio State University, Columbus
NNMM	Metropolitan Museum of Art Library, New York	OUCA	Chemical Abstracts, Ohio State University, Columbus
NNNAM	New York Academy of Medicine, New York	OKS	Oklahoma State University, Stillwater
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York	OkU	University of Oklahoma, Norman
NNR	Russell Sage Foundation, College of the City of New York	OrCS	Oregon State University, Corvallis
NNRI	Rockefeller Institute for Medical Research, New York	OrPR	Reed College, Portland, Ore.
NNU	New York University Libraries, New York	OrU	University of Oregon, Eugene
NNU-H	— University Heights Library	P	Pennsylvania State Library, Harrisburg
NNU-M	— Bellevue Medical Center Libraries (Includes Neuropsychiatric Library)	PBL	Lehigh University, Bethlehem, Pa.
NNU-W	— Washington Square Library	PBm	Bryn Mawr College, Bryn Mawr, Pa.
NNUN	United Nations Library, New York	PHC	Haverford College, Haverford, Pa.
NPV	Vassar College, Poughkeepsie, N. Y.	PLF	Franklin and Marshall College, Lancaster, Pa.
NRE	Eastman Kodak Company, Rochester, N. Y.	PLatS	Saint Vincent College and Archabbey Libraries, Latrobe, Pa.
NRU	University of Rochester, Rochester, N. Y.	PP	Free Library of Philadelphia
NSyU	Syracuse University, Syracuse, N. Y.	PPAN	Academy of Natural Sciences, Philadelphia
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.	PPAmP	American Philosophical Society, Philadelphia
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.	PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
NYHl	International Business Machines Corporation, Thomas J. Watson Research Center, Yorktown Heights, New York	PPC	College of Physicians of Philadelphia
NbU	University of Nebraska, Lincoln	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NcD	Duke University, Durham, N. C.	PPF	Franklin Institute, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPLas	La Salle College, Philadelphia
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPPM	Philadelphia Museum of Art
NcU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NcU-H	— Division of Health Affairs. (North Carolina Memorial Hospital)	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
NdU	University of North Dakota, Grand Forks	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
Nh	New Hampshire State Library, Concord	PPi	Carnegie Library of Pittsburgh, Pittsburgh
NhD	Dartmouth College, Hanover, N. H.	PPiCI	Carnegie Institute of Technology, Pittsburgh
NhU	University of New Hampshire, Durham	PPiU	University of Pittsburgh, Pittsburgh
NJI	Irvington Free Public Library, Irvington, N. J.	PRosC	Rosemont College, Rosemont, Pa.
NJMuA	Air Reduction Company, inc., Central Research Department Library, Murray Hill	PSC	
NJMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSt	
		PU	
		PU-BZ	
		PU-E	
		PU-F	
		PU-M	
		PU-M	
		PU-Pa	
		PU-Sc	
		RPB	
		RU	
		SeU	
		TCU	

<b>TNJ</b>	<b>Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.</b>	<b>UU</b>	<b>University of Utah, Salt Lake City</b>
<b>TOU</b>	<b>Oak Ridge Associated Universities, Oak Ridge, Tenn.</b>	<b>VIBbV</b>	<b>Virginia Polytechnic Institute, Blacksburg</b>
<b>TU</b>	<b>University of Tennessee, Knoxville</b>	<b>VIRM</b>	<b>Medical College of Virginia, Richmond</b>
<b>TxCM</b>	<b>Agricultural and Mechanical College of Texas, College Station</b>	<b>VIU</b>	<b>University of Virginia, Charlottesville</b>
<b>TxDaM</b>	<b>Southern Methodist University, Dallas</b>	<b>VU L</b>	<b>Law Library</b>
<b>TxIR</b>	<b>Rice Institute, Houston</b>	<b>VW</b>	<b>College of William and Mary, Williamsburg</b>
<b>TxIT</b>	<b>Texas Technological College, Lubbock</b>	<b>VtMIM</b>	<b>Middlebury College, Middlebury, Vt.</b>
<b>TxU</b>	<b>University of Texas, Austin</b>	<b>VtU</b>	<b>University of Vermont and State Agricultural College, Burlington</b>
<b>ULA</b>	<b>Utah State University of Agriculture and Applied Science, Logan</b>	<b>WAP</b>	<b>Institute of Paper Chemistry, Appleton</b>
<b>UPB</b>	<b>Brigham Young University, Provo, Utah</b>	<b>WH</b>	<b>State Historical Society of Wisconsin, Madison</b>
		<b>WI</b>	<b>University of Wisconsin, Madison</b>
		<b>WaU</b>	<b>University of Washington, Seattle</b>
		<b>WvU</b>	<b>West Virginia University, Morgantown</b>
		<b>WyU</b>	<b>Wyoming University, Laramie</b>

# MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

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APRIL 1967

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## 1. GENERAL

[CALENDAR OF SIGNIFICANT AND HISTORICAL DATES OF THE UZBEK S.S.R. FOR 1966 (JANUARY-DECEMBER)] *Kalendar' znamenatel'nykh i pamiatnykh dat Uzbekskoi SSR na 1966 god (Iyanvar'-Dekabr')*. God izd. 4. Tashkent, "Uzbekistan," 1966. 78 p.

EESTI NSV TEADUSTE AKADEEMIA. [Formal meeting of the Academy of Sciences of the Estonian S.S.R. dedicated to the 25th anniversary of the Estonian S.S.R., June 16, 1965] *Torzhestvennoe sobranie Akademii nauk Estoniskoi SSR, posvyashchennoe 25-letiu Estoniskoi Sovetskoi Sotsialisticheskoi Respubliki 16 iyunia 1965 goda*. Tallinn, Eesti Raamat, 1966. 84 p.

HOMIN UKRAINY, VYDAVNYTSTVO, Toronto. [Literary calendar of the "Homin Ukrainy" Publishing House for 1967, for the 50th anniversary of the Ukrainian national revolution and the centenary of Canada, 1867-1967] *Ahmanakh kalendari... na rik 1967, u 50-riechchia Ukrainy'koï natsional'noi revoliutsii i 100-riechchia Kanady, 1867-1967*. Toronto, Nakladom Vyd-va "Homin Ukrainy [n.d.] 190 p.

## 2. BIBLIOGRAPHY

MEZHIMDUVEDOMSTVENNAIA KATALOGIZATSIONNAIA KOMISSIA. [Uniform rules of descriptive cataloging for library catalogs] *Edinye pravila opisaniia po otdel'noi pečat' dlia biblioteknykh katalogov*. Moskva, Kniga, Pt. 2. [Description of periodical publications] *Opisanie periodicheskikh izdaniĭ*. 2. izd., ispr. i dop. 1966. 161 p.

NAIDICH, E. E. [Recommended bibliography is your assistant, for the reader in the public library] *Rekomendatel'naya bibliografiia - tvor pomoshchik; chitatelei massovoi biblioteki*. Moskva, Kniga, 1960. 93 p.

TAKALA, E. I., comp. [Know your country; annotated index of literature for teachers of Karelian schools] *Znai svoi kraj; amolno ovanyi ukazatel' literatury v pomoshch' uchiteliam shkol Karelii. Peit ozavodsk [Karel'skoe knizhnoe izd-vo] 1960. 65 p.*

VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNIČESKOI INFORMATSII. [Classification scheme of abstracting publications of the U.S.S.R. for 1966] *Rubrikator referativnykh izdaniĭ SSSR, 1966 god*. Pod red. V. I. Gor'kovoĭ. Moskva, 1965. 460 p. (CaOTU)

## 3. PHILOSOPHY &amp; RELIGION

ARSKII, F. N. [In the country of myths] *V strane mifov*. [Moskva, Molodai gvardia, 1965] 181 p. (MH)

BELEN'KH, M. S. [Judaism] *Judaizm*. Moskva, Politizdat, 1960. 237 p. (Biblioteka "Sovremennye religii")

BUSMANS, G. [Answers to believers] *Atbildes tiecigniem*. Riga, Liesma, 1966. 180 p. [In Latvian]

[COLLECTION OF DOCUMENTS ON RELIGION AND THE CHURCH] *Despre religie si biserica, kulezere de dokumente*. Kishinev, Karla Moldoveniaske, 1966. 137 p. [In Moldavian]

EDDY, MARY (BAKER). [Science and health with a key to Holy Scriptures] *Nauka i zdorov'e s kluchem k svyashchennomu Pisaniiu*. Boston, Dushoprikanzhiki Mort Beker F. Eddy [1961] 697 p. [In English and Russian] (NN)

ESHLMAN, NIKOLAI. [Open letter from priests Nikolai Eshlman and Gleb Akumov to His Holiness Alexis, Patriarch of Moscow and All Russia] *Ego Svyatelshestvo, Svyatelsheemu Patriarkhu Moskovskomu i Vseia Rusi, Aleksiiu svyashchennikov Nikolaiu Eshlmanu i Glebu Akumovu otkrytoe pis'mo*. New York, Predstavitel'stvo Rossiiskikh Emigrantov v Amerike [1966] 69 p. (DS)

[ETHICAL CODE FOR BUILDERS OF COMMUNISM, textbook for propagandists and students of schools of party education] *Kodul moral ai konstruktorul komunistului, material didaktic pentru propagandisti si askultori din sistemu yuvatosmyntul de parti Editsia a doua*. Kishinev, Editura de parti a comitetului central al PK al Moldovei, 1966. 189 p. [In Moldavian]

EVSEEV, G. [Ivan and Maria and Christ] *Ivan da Mariia i Khristos*. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 169 p.

GOROBOSKII, A. A. [Man to man] *Chelovek cheloveku*. [Moskva, Molodai gvardia, 1965] 143 p. (NIC)

GRUDININ, N. N. [Jehovism and children] *Iegovizm i doli*. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1965. 50 p.

ILARION, Metropolitan of Winnipeg and All Canada. [We like our Ukrainian Orthodox Church! Ideology of the Ukrainian Orthodox Church] *Liubimo svoju Ukrainu's'ku Pravoslavnu Tserkvu! Ideologiya Ukrainy'koï Pravoslavnoi Tserkvy*. Winnipeg, 1966. 43 p. (Khrystians'ka biblioteka vydale "Vita i Kultura," no. 7)

IL'IN, I. A. [The way of spiritual renewal] *Puť dukhovnogo obnoveniia*. [2. izd] Munich, 1962. 268 p. (CU)

IVANIV, M. [Holy Virgin, save us, a reader for the month of May] *Pravoslava Dohorudyse spas nas, chytanka na misladi Ivaniv*. Prudentopii, Vyd-vo oo. Vasylian, 1962. 115 p. (CU)

KALITS, JOHANNES. [Friendship knows no boundaries] *Soprus ei iunne pih e*. Tallinn, Eesti Raamat, 1966. 66 p. [In Estonian]

KOGAN, I. U. A., and B. S. RABBOT, comps. [50 words on faith and unbelief; thoughts and aphorisms] *50 slov o vero i neverii; mysli i aforizmy*. Moskva, Znanie, 1966. 382 p.

KRASNIKOV, N. P. [The Church accommodates itself] *Tserkov' prispособlilaetsia*. Leningrad, Ob-vo "Znaniie" RSFSR, 1965. 33 p.

KULIKOVA, N. N. [Content and criterion of moral progress; a study in the field of philosophy and ethics] *Soderzhanie i kriterii nraystvennogo progressa; opyt filosofsko-eticheskogo issledovaniia problemy*. Moskva, Mysl', 1960. 85 p.

LANDESMAN, P. A. [Happiness of my contemporary] *Schast'e mogo sovremenika*. Moskva, Politizdat, 1965. 77 p.

MOSKALENKO, A. T. [Pentecostalism] *Platidosiatniki*. Moskva, Politizdat, 1960. 223 p. (Biblioteka "Sovremennye religii")

NOVOSIBIRSKII PEDAGOGICHESKII INSTITUT. [Problems of psychology] *Voprosy psikhologii*. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 119 p.

OTHERET, VASYIL. [The ruler of the sky; essays] *Vorshny neta; esei*. [New York, Nasha knivshchyna, 1965] 113 p. (NN)

PEREDERII, V. I. [Marxist-Leninist philosophy and the exact sciences] *Marxysts'ko-leninsk'a filosofija i toki etni nauky*. Kyiv, 1963. 37 p. (Tovarystvo "Znannia" Ukrainy'koï RSR, Seria I, no. 10)

RIABUSHKIN, N. V. [Science against religion] *Nauka protiv religii*. Moskva, Meditsina, 1966. 47 p. (Nauchno-populinnala meditsinskaia literatura)

ROSTOVSKII-NA-DONU GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. *Kafedra filosofii*. [Problems in historical and dialectical materialism] *Voprosy dialekticheskogo i istoricheskogo materializma*. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1966. 214 p.

SHTENBERG, V. A. [Philosophical life of Latvia in the early 20th century, 1900-1917] *P. Slucka, F. Rozina, J. Jansons, P. Dauge, J. Berzins* *Filosofskaja zhizn' Latvii nachala XX veka, 1900-1917*. P. Stuchina, F. Rozina, I. A. Janson, P. Dauge, I. A. Berzins. Riga, Liesma, 1966. 412 p.

STABINS, E. [Speaking in their own words; religious sects without their masks] *Ai vian vardiem; religiozais sektantisms bez maskas*. Riga, Liesma, 1972 p. [In Latvian]

## 4. HISTORY

AKADEMIA NAUK GRUZINSKOI SSR, Institut istorii, arheologii i etnografii. [Georgia; a brief historical study] *Gruzija, kratkii istoricheski ocherk*. Tbilisi, Metsuloba, 1966. 69 p.

AKADEMIA NAUK SSSR, Institut slavjanovedeniia. [History and culture of Slavic peoples, the Polish liberation movement of the 19th and 20th centuries and problems of the history of culture] *Istoia i kul'tura slavianskikh narodov, pol'skoe osvoboditel'noe dvizhenie XIX-XX vv i problemy istorii kul'tury*. Moskva, Nauka, 1966. 238 p. (CSI-II)

AKADEMIA NAUK SSSR, Sibirskoe otdelenie, [Ancient Siberia] *Drevnaja Sibir'*. Novosibirsk, Nauka, No. 2. [Collection of articles on Siberian archaeology] *Sibirskii arheologicheskii zhurnal*, 1966. 320 p. (Materialy po istorii Sibiri)

AKADEMIA NAUK URSS, Institut arheologii, [Andonovo culture; in three parts] *Andonovskaja kul'tura, v trekh vyuskakh*. Moskva, Nauka (Arheologia SSSR; svod arheologicheskikh istochnikov, no v 3-2) No. 1. [Monuments of the western regions] *Pamiatniki zapadnykh ralonov*, 1966. 62 p. [Ius]

ANTONOV, S. F. [Dear features; stories about Lenin] *Dorogie chery; rasskazy o Lenino*. [Moskva] Molodai gvardia, 1966. 142 p.

[ARCHAEOGRAPHIC YEARBOOK FOR 1965. In memory of Academician M. N. Tikhomirov] *Arheograficheski ozhegodnik za 1965 god*. Posvyashchen pamiatii akademika M. N. Tikhomirova, Moskva, Nauka, 1966. 393 p.

[ASSAULT ON KÖNIGSBERG] *Shturm Königsberga*. [Kalinigrad] Kalinigradskoe knizhnoe izd-vo, 1966. 253 p.

BENEVOLENSKII, A. M. [In the tracks of an old mystery] *Po sledam drevnei tainy*. Arosiavi, Verkhne-Volzhske knizhnoe izd-vo, 1966. 85 p.

BERIDZE, S. D. [Mikha Tskhakala; biographical sketch] *Mikha Tskhakala; biograficheski ocherk*. Tbilisi, Sabchota Sakartvelo, 1965. 112 p. (NIC)

BEZYMENSKI, L. A. [In the footsteps of Martin Bormann] *Po sledam Martina Bormanna*. 2., dop. izd. Moskva, Politizdat, 1965. 160 p. (CSI-II) (MH)



BLANK, A.S., and A.V. KATANKOV Cherepovets Izd. 2., perer. i dop. [Vologda] Severo-Zapadnoe knizhnoe izd-vo, 1968 160 p

BLIAKHIN, P.A. [Years of great trials, dates, letters] Gody velikikh ispytaniy, dnevniki, pis'ma. [Moskva, Sovetskii pisatel', 1966] 117 p

BOBEIKO, I., and I.A. KOPANSKI [Twenty-two years of heroic struggle, from the history of the revolutionary and liberation movement in Bessarabia, 1918-1940] Dvadtsat' dva goda gerolicheskoi bor'by, iz istorii revoliutsionno-osvoboditel'nogo dvizheniya v Bessarabii v 1918-1940 gg. Kishinev, Partiznoe izd-vo TsK KP Moldavii, 1968 42 p. (V pomoshch' agitatoru i propagandistu)

BUGROV, N.N. [Itald beyond the Dnieper] Rejd na Zhdneprov, Moskva, Voen. izd-vo m-va obr. SSSR, 1964. 125 p. (Gerolicheskoe proshloe nashel Rodiny) (NN)

DUNEL'YK, VASYL'. [Soldiers of the "little war," As told to P. Shapovalenko] Soldaty "maloi volny," Literaturnyi zapis P. Shapovalenko. [L'viv, Kamontai, 1968] 127 p. (Spohady kolyshyn'cho v'vaznia fashyst-s'rykh taboriv smerti)

BURIAT A.S.S.R. Tsentral'nyi gosudarstvennyi arkhiv. [The guerrilla movement in Buryatia, collection of documents] Partizanskoe dvizhenie v Buriatii, sbornik dokumentov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1965. 453 p.

BURKO, VASYL'. [Vasyli's story, recollections of a Ukrainian born in Brazil] Vasyliova istoriia, spohady ukrainetsia, rozhdenoho v Brazyl'ii Prudentopolis, oo. Vasyliian, 1963 130 p. (U)

CHELIABINSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. [From the history of the revolutionary movement and socialist construction in the southern Ural region] Iz istorii revoliutsionnogo dvizheniya i sotsialisticheskogo stroitel'stva na IUzhnom Urale, sbornik statei. Cheliabinsk, 1959. 333 p. (MI)

[COMPANIONS IN STRUGGLE, letters of V.I. Lenin's associates, 1895-1900] Tovarischi v bor'be, pis'mu soratnikov V.I. Lenina, 1895-1900. [Krasnolask] Krasnolaskoe knizhnoe izd-vo, 1965. 251 p.

DEBEROV, P.M. [Petroglyphs of Dagestan] Rez'ba po kamniu v Dagestane. Moskva, Nauka, 1966. 205 p. (chiefly illus)

D'YACHENKO, N.T. [Streets and squares of Kharkov, from the history of the city] Ulici i ploshchadi Kharkova, iz istorii goroda. Kharkov. Prapor, 1966 273 p.

[DON'T FORGET AUDRINI!] Neaizmirsiti Audrimai! [By] K. Saunite un cili. Riga, Liesma, 1966. 220 p. [in Latvian]

[HEROES OF HALHAIN GOL] Gerol Khalkhin-Gola [Per m'] Permskoe knizhnoe izd-vo, 1968 129 p

[HISTORY OF THE ARMENIAN PEOPLE; a textbook for higher schools] Istoriia armianskogo naroda, uchebnoe posobie dlia vuzov. Erevan, Izd-vo Erevanskogo univ. Vols. 1-5, 7, 10. 1968- (MI)

[HISTORY OF THE STRUGGLE FOR THE SOVIET REGIME AND THE BUILDING OF SOCIALISM IN THE FAR EAST] Iz istorii bor'by za Sovetskuiu vlast' i sotsialisticheskoe stroitel'stvo na Dal'nem Vostoke. Khabarovsk, Gosudarstvennyi pedagogicheskii institut 1965 164 p.

INSTITUT ISTORII PARTII. Frunze. [For the role of the soviets, collection of reminiscences] Za vinst' Sovetov, sbornik vospominanii. Frunze, "Kyrgyzstan," 1966. 280 p.

INSTITUT ISTORII PARTII. Frunze, [Kirghizistan during the Great Patriotic War, 1941-1945, collection of documents and materials] Kirgizlia v gody Velikoi Otechestvennoi volny, 1941-1945 gg., sbornik dokumentov i materialov. Frunze, "Kyrgyzstan," 1965. 581 p.

IUDOVICH, I.M. [A man with somebody else's papers] Chelovek s chuzhim pasportom. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1965. 76 p. [MICROFILM]

KARK, JUHAN, HILLAR PALAMETS, and SULEV VAH-TRE [History of the Estonian S.S.R.; additional material for the 7th-8th grades taking courses in the history of the Estonian S.S.R.] Eesti NSV ajalooi; lisamaterjal VII-VIII klassi NSV Lihdu ajaloo kuu suse juude Tallin, Valgus, 1967. 110 p. [in Estonian]

KALININSKAI OBLASTNAIA BIBLIOTEKA. Bibliograficheskii otchet. [Mikhail Ivanovich Kalinin, 1875-1946, a list of recommended literature] Mikhail Ivanovich Kalinin, 1875-1946 gg., rekomendatsii'nyi ukazatel' literatury. [Moskva] Moskovskii rabochii, 1955 39 p. (CS-I)

KHATUKAEV, A.T. [The battle history of the 115th Cavalry Division] Boevoi put' 115 Kavaleriiskoi divizii. Naichei, Kabardino-Balkarskoe knizhnoe izd-vo, 1965. 106 p. (CS-II)

KNYSII, ZYNOV. [One's own way, the Ukrainian Military Organization from the fall of 1922 to the summer of 1924] Vlasnyi ruslom; Ukrain's'ka vils'kova organizatsiia vid oseny 1922 do lita 1924 roku. Tot onko, Sribna surma, 1966. 184 p. illus. (Sribna surma. Zbirnyk, no 4) (CSU)

KODISHCHANOV, I.U.M. Aksum, Moskva, Nauka, 1966. 204 p.

KOZYREV, A.I. [M.I. Kalinin in Chelyabinsk Province, 1920, 1921, and 1933] M.I. Kalinin v Cheliabinskoi oblasti, 1920, 1921, 1933 gody. Cheliabinsk, IUzhno-Ural'skoe knizhnoe izd-vo, 1966. 32 p. (CS-I)

KUN, IRINA. [Bela Kun, reminiscences. Translated from Hungarian] Bela Kun, vospominania. [Moskva] Molodai gvardia, 1966. 311 p. (Zhizn' zamechatel'nykh liudei. Seriya biografi, no. 17(430))

KURGUZOV, I.P. [Bearers of the Order of Glory] Nositeli ordena Slavy. Tashkent, Esh gvardii, 1966. 100 p. (Na strazhe Rodiny)

NEK, G. [A tale about the incorruptible soldier] vest' o nepodkupnom soldate. Riga, Liesma, 1966 6 p.

VIAS KOMUNISTESKA PARTIJA. Centrala Komite-Partijas vestures instituts. [Latvian combatants, 1935-1939; memories and documents] Latvian cinitaji Spanija 1930-1939; atminas un dokumenti Iga, Liesma, 1966. 605 p. [in Latvian]

IN, V.I. [On the Great October Socialist Revolution] Velikoi Oktabr'skoi sotsialisticheskoi revoliutsii. d. 2. Moskva, Politizdat, 1966. 383 p.

IN, V.I. [Wartime correspondence, 1917-1922] oemnaia perepiska, 1917-1922 gg. Moskva, Voenizdat, 1966. 133 p.

L'VOV, L.A., and P.E. NEKITIN [Lenn in Razli] Lenn v Razlivo [Leningrad] Lenizdat, 1966 92 p

MAGOMEDOV, S.M. [The October Revolution in the Terek region and in Dagestan] Oktabr' na Tereke i v Dagestane. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1965. 221 p. (MI)

[MANUAL FOR A PEOPLE'S CONTROLLER] Spravochnik narodnogo kontroleia. Izd. 2., Moskva, Politizdat, 1965. 327 p. (CaOTU) (MI) (MI-L)

MARTYNOV, A.I. [Canoeing to the land of our forefathers] Lodki - v stranu predkov [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1966 35 p. illus.

MESHCHERSKII, A.P. [First Marxists in Siberian exile] Pevyie marksisty v sibiri skoi ssylke. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1966. 210 p. (Zamechatel'nye liudi v Sibiri)

MESMAEV, G.V. [In the footsteps of the past] Po sledam minuvshago. New York, Rossia, 1965. 448 p. (MI)

METSANTS, KARL. [War veterans are telling their stories] Soveteranid paitavadi. Tallinn, Eesti Raamat, 1966 73 p. [in Estonian]

MIRONENKO, M.F. [Under the standard of the Guards] Pod gvardiiskim znamenem. Slavopol, 1965. 271 p. (CS-I)

MOISEENKO, P.A. [Reminiscences of an old revolutionary] Vospominania starogo revoliutsionnogo. Moskva, Mysl', 1966. 275 p.

MOSKOVSKII GOSUDARSTVENNYI UNIVERSITET. Kafedra novoi i noveishel istorii. [Historiography of the modern history of the counties of Europe and America] Istoriografiia novogo vremen stian Evropy i Ameriki. [Moskva] Izd-vo Mosk. univ., 1967. 660 p.

MOZHUKO, I.V. Ann San. Moskva, Molodai gvardia, 1965. 237 p. (Zhizn' zamechatel'nykh liudei. Seriya biografi, no. 6) (CaAEU)

NAUCHNAIA KONFERENTSIJA, POSVIAICHENNAIA 20-I GODOVSHCHINE POBEDY NAD FASHISTSKOI GERMANIEI, Moscow, 1965. [Materials of the Conference Devoted to the 20th Anniversary of the Victory over Fascist Germany, Moscow, 1965, in three books] Materialy... v tri okh knigakh. Glav. i red. kollegiia A.M. Samsonov i dr. Moskva, Nauka, Book 1. [The Second World War, general problems] Vtoraii Mirovaii volna, obshchie problemy. 1966. 438 p. (Vtoraii Mirovaii volna v kul'durovaniakh, vospominaniakh, dokumentakh)

NAUCHNO-ISSEDOVATELSKII INSTITUT PRISOVETI E MINISTROV CHUVASHSKOI ASSR. [History of the Chuvash A.S.S.R.] Istoriia Chuvashskoi ASSR. Chuvashy, Chuvashskoe knizhnoe izd-vo. Vol. 1. [From ancient times to the Great October Socialist Revolution] S davnishikh vremen do Velikoi Oktabr'skoi sotsialisticheskoi revoliutsii. 1966. 258 p.

NERSISIAN, M.G., ed. [Genocide of the Armenians in the Ottoman Empire, collection of documents and materials] Genotsid armian v Osmanskoi imporii, sbornik dokumentov i materialov. Erevan, Izd-vo AN Armianskoi SSR, 1966. 500 p.

NIKII, V.V. [They called to the barricades] Oni zvali na barrikady. [Gorkii] Volgo-Viatskoe knizhnoe izd-vo, 1965. 165 p. (Nizhegoi odsly-revoliutsionny) (CS-I)

NOVOSSIVSKII, I.M. [The Ukrainian government in Bukovina in 1918] Ukrain's'ka deizhavna vladna na Bykovyni v 1918 r. Vypravlene vyd. New York, Koshtom Ukrain's'koi Bukovyn's'koi hromady, 1964. 56 p. (IU)

NURBEKOV, KUBANYCHBEK. [Establishment of the Kirghiz Soviet National State] Vozniknovenie Kirgizskoi Sovetskoi natsional'noi gosudarstvennosti. Frunze, Kyrgyzstan, 1964. 148 p.



- DEBRUKKH, P.S. [Organization of accounting in an enterprise] Organizatsiya bukhgalterskogo ucheta na predpriyatiyakh. Moscow, Finansy, 1966. 204 p.
- BIN'KEVICH, G.I. [Man, work, wealth, an economist's story of the well-being of the workers of Muzman] Chelovek, trud, bogatstvo, rasskaz ekonomista o blagosostoyanii trudiashchikhsia Muzmana. [Muzman'sk] Muzmanskoee knizhnoe izd-vo, 1965. 125 p. (CSI-II)
- BODROVNIK, V.L. [Lumbering industry in Khabarsk] Lesnaya promyshlennost' Khabarsk. Abakan, Khabarskoe knizhnoe izd-vo, 1964. 78 p.
- BOCHKOVA, I.N., and M.I. TSITVER. [Rights and duties of the trade union committee] Prava i obiazannosti komiteta profsoюза. [Moskva] Profizdat, 1966. 78 p. (Biblioteka sel'skogo profsoyuznogo aktivista, 12(60))
- BOGOLUDOV, I. [Solving problems in industrial management using electronic computers on the basis of nonmathematical algorithms] Reshenie zadach po upravleniyu proizvodstvom s pomoshch'yu elektronnykh vychislitel'nykh mashin na osnove nematematicheskikh algoritmov. Riga, Latvskii respublikani nauchno-tekhnicheskii informatsii i propagandy, 1966. 13 p. (Listok tekhnicheskoi informatsii. Planirovaniye i organizatsiya proizvodstva)
- CHELIABINSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT [Some economic problems of the building of communism in the U.S.S.R.] Nekotorye ekonomicheskie voprosy stroitel'stva kommunizma v SSSR. Cheliabinsk, 1965. 132 p.
- CHERNIKOV, G.P. [Financial oligarchy of France] Finansovaya oligarkhiya Frantsii. Moskva, IMO, 1966. 413 p.
- CHICHKOV, V.M. [Steps through a strange land] Shagi po chuzhoi zemle. [Moskva] Molodaya gvardiya, 1966. 124 p.
- DANILEVICH, V.G. [Manual for wages] Spravochnik po zarabotnoi plate. Minsk, Nauka i tekhnika, 1966. 502 p.
- DANILOVA, A.A. [School of progressive practice on a state farm] Shkola poryadovogo opyta v sovkhوزه. [Moskva] Profizdat, 1966. 29 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 11(59))
- DAVYDOV, A.M. [Agrarian reforms and the formation of socialist land utilization in the Uzbek S.S.R.] Agrarnye preobrazovaniya i formirovaniye sotsialisticheskogo zemlepol'zovaniya v Uzbekskoi SSR. Tashkent, Nauka, 1965. 270 p. (CSI-II)
- DOBROHRAVOVA, L.A., and G.S. SALIDKOV. [Comprehensive balance of equipment and its nomenclature] Kompleksnyi balans oborudovaniya i ego nomenclaturalnaya baza. Moskva, Ekonomika, 1966. 179 p.
- DRIZINA, T.Z. [Incentives for increasing labor productivity of automotive vehicle drivers; as exemplified by the Latvian S.S.R.] Stimuly povysheniya proizvoditel'nosti truda shoforov, na primere Latviskoi SSR. Riga, Zinatne, 1966. 57 p.
- DUMBERGA, G., and B. SKARUPINA. [We continue the work of our fathers, the Latvian Komsonol and the building of socialism and communism, 1944-1965] Mes levu darbu turpinam, Latvijas komjaunatne socialistina un komunisma celtnieciba (1944-1965). Riga, Liesma, 1965. 105 p. [in Latvian]
- [ECONOMY OF SOCIALIST COUNTRIES, 1965] Ekonomika stran sotsializma, 1965 god. Moskva, Ekonomika, 1966. 262 p.
- EISMAN, HARRY. [Red neckties in the land of the dollar] Krasnye galsiki v strane dollara. [Moskva] Molodaya gvardiya, 1966. 124 p.
- EMEL'IANOV, P.E. [This is dictated by life] Eto prodictovano zhizn'yu. Moskva, Sovetskaya Rossiya, 1965. 119 p. (JuU)
- [50th ANNIVERSARY OF THE SHALE-MINING INDUSTRY OF THE ESTONIAN S.S.R.] 50 let slantse dobyvatshego promyshlennosti Estonskoi SSR, Tallinn, Valgus, 1966. 405 p.
- FIL'KIN, V.I. [Petroleum, gas, and petrochemical industries and their role in creating the productive forces of communism] Neft' (naza, gazovaya, neftekhimicheskaya) industriya i ee rol' v sozdaniy proizvoditel'nykh sil kommunizma. [Grozny] Checheno-Ingushskoe knizhnoe izd-vo, 1965. 77 p.
- FISHMAN, I.I., and V.A. ARKHPOV. [Abolition of serfdom in the Byinsk region, a historical sketch] Ome-na k uposnogo prava na Blainshtchne, istoricheski ocherk. [Briansk] Brianskii rabochii, 1961. 59 p. (MII)
- FURALYA, V.V. [Capital assets and productive capacities in the electric industry] Osnovnye fondy i proizvodstvennye moshchnosti v elektromyshlennosti. Red. I. E. Neldov. Moskva, Mosk. ekon. in-t, 1966. 17 p.
- GAL', I.M. [The system of international payment and credit relations of the U.S.S.R. in foreign trade] Sistema mezhdunarodnykh raschetnykh i kreditnykh otnoshenii SSSR po vneshnei tovgovye. Kiev, Kievskii in-t nar.khoz., 1965. 10 p. (CSI-II)
- GALKINA, K.A., and A.S. SLUTSKER. [Occupational hygiene in flour mills] Gigiena truda na mukoimol'nykh predpriyatiyakh. Moskva, Meditsina, 1966. 29 p. (Nauchno-popul'naya meditsinskaya literatura)
- GARETOVSKII, N.V. [Incentive funds of enterprises in industry] Poshchimi tel'nye fondy predpriyatiy v promyshlennosti. Moskva, Znanie, 1966. 70 p. (Narodnyi universitet. Tekhniko-ekonomicheski fakul'tet, no. 12)
- GERNET, M.N. [History of the Tsarist prison] Istoriya tsarskoi kaznitsy. Izd. 3. Moskva, Gos. izd-vo iurid. lit-ry, 1966. Vol. 1. 1762-1825. Vol. 2. 1825-1870. Vol. 3. 1870-1900. (MosSW)
- GLOTOV, V.V. [Accounting for related production and interchangeability in calculating the economic efficiency of manufacturing lumbering industry products] Uchet smezhnykh proizvodov i vzaimozamenimosti pri raschete ekonomicheskoi effektivnosti izgotovleniya i prodavitsi tovaroi promyshlennosti. Moskva, TSentr. nauchno-issled. in-t informatsii i tekhniko-ekonomicheskoi issledovaniy po lesnoi, lesnikhuzno-bumazhnoi, derevoobrabatvayushchei promyshli. i lesnomu khoz., 1965. 47 p. (Lesokhimpromatsia) [MICROFILM]
- GRIGORASOV, R.A., and others. [Economic map of the world] Politicheskaya ekonomicheskaya karta mira. Moskva, Voen. izd-vo, 1964. 421 p. maps. (CST-II)
- GRIGOR'EV, B.V. [Management of a state industrial enterprise in the U.S.S.R.] Upravleniye gosudarstvennymi promyshlennymi predpriyatiyami v SSSR. [Moskva] Izd-vo Mosk. univ., 1966. 74 p.
- GRUZDEV, V.P. [Trade-union committee and collective farm management] Komitet profsoюза i pravlenie kolchoza. [Moskva] Profizdat, 1966. 37 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 17(65))
- GUTNIK, A.L. [Bring the building materials industry up to the level of tasks set for the new five year plan] Promyshlennost' stroitel'nykh materialov — na uroven' zadach novoi platielki. Kishinev, Partinnoe izd-vo TSK KP Moldavi, 1966. 72 p.
- HANIEVYCH, I.I., and M.T. CHYZHEVSKIY. [Struggle of the Bulgarian people for the completion of the building of socialism] Boratba bolgarsk'kogo naroda za zaversheniye budvnyatva sotsializmu. [Kyiv] Vyd-vo Kyiv'skoho univ., 1964. 110 p. (CaOTU)
- HOROBETS', H.I. [National holidays today] Narodni svята s'ohodni. Kyiv, [Vyd-vo "Radians'ka Ukraina"] 1964. 31 p. (Tovarystvo "Zhannia" Ukrain'skoi RSR. Seriya VII, no. 10)
- IAKPOV, KH.IA. [Proud occupation] Gordaya professiya. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 34 p. (Malaki promyshlennosti Bashkiri)
- LARIN, M.O. [Integrated brigade is on the frontier] Kompleksnaya na perednem krae. Ufa, Bashkirskoe knizhnoe izd-vo, 1964. 30 p. (Malaki promyshlennosti Bashkiri)
- [IN STEP WITH LIFE, collection of articles on practice in teaching political economy] V nugu s zhizn'yu, shkol'niki stali ob opyte po podavaniyu politicheskoi ekonomii. Moskva, Vysshaya shkola, 1965. 134 p.
- INSTITUT KOMPLEKSNYKH TRANSPORTNYKH PROBLEM. [Problems in the improvement of overall operation of transportation] Voprosy sovsheniya vanaia kompleksnoi ekspluatatsii transporta. Pod red. A.V. Komarova. Moskva, Transport, 1966. 315 p. (Ile Tudy)
- INSTITUT MARKSIZMA-LENINIZMA, Moscow [From the history of Marxism and the international labor movement, for the 100th anniversary of the founding of the I International] Iz istorii marksizma i mezhdunarodnogo rabochego dvizheniya k 100-letiyu so dnia osnovaniya I Internatsionala. Moskva, Politizdat, 1964. 664 p. (CSI-II)
- [INTERNATIONAL YEARBOOK. Politics and economics, 1966] Mezhdunarodnyi ezhegodnik. Politika i ekonomika. Vypusk 1966 g. Moskva, Politizdat, 1966. 335 p.
- ISAEV, AKYBAI, and M.M. KANTAVOV. [Natural resources of Kirghizistan in the service of the building up of the material and technical basis of communism] Prirodnye resursy Kirgizii na sluzhbu sozdaniya material'no-tekhnicheskoi bazy kommunizma. Frunze, "Kiygyzstan," 1965. 60 p.
- IVANOV, K.P. [Bypassing capitalism] Minula kapitalizm. Moskva, Znanie, 1966. 70 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya: Mezhdunarodnaya, no. 23/24)
- [JUVENILE DELINQUENCY AND ITS PREVENTION] Aktsii kurtkegeyuseti ja selle araholdmistei. Tallinn, Eesti Raamat, 1966. 251 p. [in Estonian]
- KAGANOV, F.D. [Socialist reproduction and the market] Sotsialisticheskoe vosproizvodstvo i rynok. Moskva, Ekonomika, 1966. 189 p.
- KAIRZHANOV, E.K. [Economically, in a businesslike way] Raschitel'no, po-khoz'iaiski. Alma-Ata, "Kazakhstan," 1965. 47 p.
- KALINNIKOV, T.G. [Training of cultural workers in a communist attitude towards labor] Vospitaniye kommunisticheskogo otnosheniya k trudu u rabotnikov kultury. [Moskva] Profizdat, 1966. 63 p. (Biblioteka profsoyuznogo aktivista, no. 36(156))
- KANNA, F.A., and A.D. KHIOARA. [Yesterday and today, pages from the life of a Moldavian village] Eri shi az', file din krukka unui sat moldovenesk. Kishineu, Karla Moldoveneaske, 1966. 111 p. [in Moldavian]
- KARAMAN, M.M., R.P. PISKUNOV, and V.G. VOLKOVA. [Larger crops, lower costs] Urozhai vysh — sebestoimost' nizhe. Simferopol', "Krym," 1966. 28 p.
- KARETNAIA, R.N. [Trade-union documentation of the workers' committee] Profsoyuznoe khoz'iaistvo rabochikoma. [Moskva] Profizdat, 1966. 29 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 10(58))
- KARPICHI, V.S. [Bank for the cooperation of equals, prerequisites for its creation and operation] Bank sodruzhestva ravnnykh, predposylki sozdaniya i dolitel'nosti. Pod red. K.A. Lartionova, Moskva, IMO, 1966. 158 p.
- KHLUDENEV, A.I. [Organization of labor, establishment of work norms, and wages in vegetable growing] Organizatsiya, normirovaniye i oplata truda v ovoshechevodske. Moskva, Kolos, 1965. 375 p.
- KHODZHAEV, A.M., ed. [Political economy; the means of production] Politicheskaya ekonomika, desoiialisticheskie sposoby proizvodstva. [By] A.M. Khodzhayev i dr. Moskva, Vysshaya shkola, 1966. 335 p.
- KISELEV, V.P. [The inspirational power of the ideas of communism] Vдохnoveniye shchastliva sila idei kommunizma. Gor'kii, Volgo-Vlatskoe izd-vo, 1965. 63 p. (NIC)
- KOLTUNOV, V.M. [Development of the social character of the process of production during the period of the general crisis of capitalism, methodological textbook for students of the higher party schools] Razvitiye obshchestvennogo kharaktara professora proizvodstva v period obshchego krizisa kapitalizma; uchebno-metodicheskoe posobie dlia slushateloi VPSI. Gor'kii, Gor'kovskaya vysshaya partiinaya shkola, 1965. 70 p. (CSI-II)

- KOSIACHENKO, S.G. [Costs and prices for products of public dining, study matter] Sebestoinosti i tseny produktov obshchestvennogo pitaniia, uchebnyi material. Pod red. Y.A. Bunimovicha. Moskva, In-t narodnogo khoz., 1962. 34 p.
- KOVTON, P.I. [We have rich harvests every year] U nas kazhdyi god vysokie urozhai. [Moskva] Profizdat, 1966. 10 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 2) (69)
- KRUKOV, A.L. [Public consumption funds in the personal budgets of the workers] Obshchestvennye fondy potrebienia v lichnom budzhetе trudiasushchikh. [Kaluga] Kaluzhskoe knizhnoe izd-vo, 1963. 68 p. (NIC)
- KRIVENTSOV, A.I. [Accounting for monetary incomes, payments and credit operations, lectures] Uchebnye sredstva, raschetnykh i kreditnykh operatsii, lektsii. Moskva, Mosk In-t narodnogo khoz., 1963. 50 p.
- KULEBAKIN, G.I. [Guide for the person joining a housing cooperative] V pomoshch' vstupaiushchemu v zhilishchnyi kooperativ. [Moskva] Mosk. rabochii, 1966. 125 p.
- KULESHOV, V.V. [Characteristics of the operation of the economic laws of socialism and their use, a lecture delivered at one-year higher economics courses] Oboznenosti deistviia ekonomicheskikh zakonov sotsializma i ikh ispol'zovanie, lektsiia, prochnannai na vysshiikh godichnykh ekonomicheskikh kursakh. Shkafny, Vyssheie godichnye ekonomicheskii kursy rukovodivshchii b. rabotnikov ugol'nogo promyshl., 1966. 35 p. [MICROFILM]
- [KURSK PROVINCE, an economic and geographical study] Kurskaia oblast', ekonomiko-geograficheskii ocherk Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 178 p.
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA. Vestures instituts. [Latvian agrarian history, the 16th-19th centuries; agriculture and market in the period of feudalism] Latvijas agrara vesture (XVI-XIX gs.); lauksaimnieciba un tirgus feodālisma laikā. Riga, Zinatne, 1966. 186 p. [In Latvian]
- [LEADING FORCE OF MODERN TIMES, from the history of the Soviet working class of Daghestan and Northern Caucasus] Vedushchala sila sovetskoi smosti, iz istorii sovetskogo rabocheho klassa Daghestana i Severnogo Kavkaza. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 170 p. (CSI-II)
- LIVSHITS, A.L. [Necessary and surplus product under socialism] O neobkhodnom i pribavochnom produkte pri sotsializme. Moskva, Znaniie, 1967. 47 p. (Novoe v zhizni, nauke, tekhnike. III Seriya Ekonomika, no. 1)
- LOPATINA, O.F. [Scientific principles of establishing work norms in agriculture] Nauchnye osnovy normirovaniia truda v sel'skom khoziaistve. Moskva, Ekonomika, 1966. 239 p.
- MAGID, A. [History of a family; the Tiet'akov dynasty] Istoriia odnoi sem'i; dinastiia Tiet'akovykh. Moskva, Znaniie, 1964. 143 p. (Proekti, tovarishestvo)
- MAIOROVA, S.A., and N.P.SYSOEV. [Management and planning in the fishing industry of the U.S.S.R.] Upravlenie i planirovanie v rybnoi promyshlennosti SSSR. Moskva, Pishchevaia promyshl., 1966. 75 p.
- MAKAROV, N.D. [Economic principles of the organization of production on collective and state farms] Ekonomicheskie osnovy organizatsii proizvodstva v kolkhosakh i sovkhosakh. Moskva, Kolos, 1966. 535 p.
- MAKENKO, M., S.KIRKE, and A.KOVALENKO. [Machinery manufacturing complex of the Moldavian S.S.R., status and prospects for development] Mashinostroitel'nyi kompleks Moldavskoi SSR; sostoiannie i perspektivy razvitiia. Kishinev, Kartia Moldoveniaske, 1966. 144 p.
- MAKENKO, M.M. [Specialization of the Moldavian S.S.R. within the framework of the all-Union division of labor] Spetsializatsiia Moldavskoi SSR v obshchestvennom razdelenii truda. Kishinev, Kartia Moldoveniaske, 1966. 194 p. (CSI-II)
- MAKHINOVA, V.I. [Historical process of the development of exchange and its characteristics under modern capitalism] Istoricheski p'otsees razvitiia obmena i ego osobennosti v usloviiakh sovetskogo kapitalizma. Moskva, Vysshiaia shkola, 1966. 110 p. (CSI-II)
- [THE MAN WHO STOPPED THE MOUNTAIN] Chelovek ostanovil goru. Moskva, Pravda, 1967. 70 p. (Biblioteka "Komsomol'skoi pravdy," no. 1)
- MANEVICH, E.L. [Problems of public labor in the U.S.S.R.] Problemy obshchestvennogo truda v SSSR. Moskva, Ekonomika, 1966. 168 p.
- [MANUAL FOR THE WORKER OF A VOLUNTEER STAFFED BUREAU FOR ESTABLISHING TECHNICAL STANDARDS] Spravochnik rabotnika obshchestvennogo blizu v tekhnicheskogo normirovaniia. Moskva, Ekonomika, 1966. 205 p.
- MARKELOV, N.V. [Auditing the managerial operations of consumer cooperatives] Reviziia khoziaistvennoi deiatel'nosti v organizatsiakh potebitel'skoi kooperatsii. Moskva, Ekonomika, 1966. 284 p. (MI)
- MARKOVA, A.N., and M.T.SMIRNOV. [Technical and economic basis for development of a pipeline system for petroleum products] Tekhniko-ekonomicheskoe obosnovanie razvitiia sel'skogo nefteproduktovodov. Moskva, Nedra, 1966. 68 p.
- MARTSENIIUK, P.M., and B.P.SYDORENKO. [Encounters on the 25th meridian] Zustrichi na 25-mu meridiane. L'viv, Kameniar, 1966. 106 p.
- MATIUKHA, I.IA. [Statistics of the population's budget] Statistika budzhetov naseleniia. Moskva, Statistika, 1967. 246 p.
- MATIUSHIN, V.N. [Ways of reducing costs in construction] Puti sokrashcheniia zatrat v stroitel'stve. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 101 p.
- MATVICHUK, M.M. [Organizational work of the party in the industry of the Ukraine, 1952-1958] Organizatsiia rabota partii v promyslovosti Ukrainy, 1952-1958 rr. [Kyiv] Vyd-vo Kyiv'skoho universitetu, 1966. 147 p. (CSI-II)
- MEN'SHIKOV, N.I. [School of labor and education] Shkola truda i vospitaniia. Gor'kii, Volgo-Viatskoe knizhnoe izd-vo, 1965. 87 p. (CSI-II)
- MENSHUTIN, A.A. [Scientific labor organization and economics] NOT i ekonomika. [Leningrad] Lenizdat, 1966. 36 p. (Shkola sotsialisticheskogo khoziaistvo-vaniia)
- MEZHHDUNARODNYI NAUCHNYI SEMINAR PO VOPROSAM OPTIMIZATSII PLANIROVANIIA I MEZHOTRASLEVOGO BALANSA, 1965. [Problems of optimal planning; materials] Problemy optimal'nogo planirovaniia, materialy. Pod red. A.N.Efimova. Moskva, Ekonomika, 1966. 292 p.
- [MILITANT YOUTH, articles, sketches, and recollections about the Transbalkan Komsomols of the twenties] Boevnaia molodost', stat'i, ocherki, vospominaniia o zabaikaiskoi komsomol'skoi dvadtsatyi kh godov. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1965. 109 p. (MI)
- MOSKOVSKAIA SIVETNAIA FABRIKA NO.3. [50 years among Moscow enterprises] 50 let v stroiu moskovskikh predpriatii. Moskva, Legkaia industriia, 1965. 149 p. [MICROFILM]
- MOSKOVSKII INSTITUT NARODNOGO KHOZIAISTVA. Kafedra denezhnogo obrashcheniia i kredit. [Practical assignments in issuing credit] Prakticheskie zadaniia po kreditovaniu. Moskva. Pt. 2. 1962. 78 p.
- NAIGAUZ, A.B. [Paths of growth] Puti rosta. Frunze, "Kyrgyzstan," 1965. 43 p.
- [NATIONAL ECONOMY OF THE R.S.F.S.R. IN 1965; a statistical yearbook] Narodnoe khoziaistvo RSFSR v 1965 godu; statisticheskii ezhegodnik. Moskva, Statistika, 1966. 615 p.
- [NATIONAL ECONOMY OF THE U.S.S.R. IN 1965; a statistical yearbook] Narodnoe khoziaistvo SSSR v 1965 g., statisticheskii ezhegodnik. Moskva, Statistika, 1966. 666 p.
- NAUCHNO-ISLEDovATELSKII INSTITUT TRUDA. [Method of developing norms for the number of auxiliary workers] Metodika razrabotki normativov chislennosti vspomogatel'nykh rabochikh. Moskva, 1965. 92 p. [MICROFILM]
- NIKOL'SKAIA, E.V. [Use of mathematical methods in the planning for printing enterprises] Pimenenie matematicheskikh metodov v planirovanii poligraficheskikh predpriatii, uchebnoe posobie. Nauch. red. L.M.Kholits. Moskva, Mosk. politekh. in-t, 1965. 121 p.
- NOVGORODSKI, I.U. [Technological progress and the labor supply] Tekhnicheskii progress i rabochnaia kadry. Moskva, Znaniie, 1967. 31 p. (Novoe v zhizni, nauke, tekhnike. III Seriya Ekonomika, no. 2)
- NOVIKOV, N.V. [American bourgeois sociology in the 20th century] Amerikanskaia burzhuaznaia sotsiologiya v XX voke. Moskva, Znaniie, 1966. 30 p. (Novoe v zhizni, nauke, tekhnike. II Seriya Filosofii, no. 24)
- NOVOZHILOVA, M.V. [Critical evaluation of the Catholic distortion of the problem of classes and class struggle in modern capitalist society, based on West German materials. Author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] Kritika katolicheskoi falsifikatsii problemy klassov i klassovoi bor'by v sovetsennom kapitalisticheskom obshchestve; po zapadnogo manskim materialam. Avtoreferat dissertatsii na soiskanie uchebnoi stepeni kandidata filosoficheskikh nauk. Nauch. ukovoditel' A.V. Sheglov. Poin', Pormskii gos.univ., 1965. 20 p. [MICROFILM]
- NUSUPBEKOV, A.N. [Formation and development of the Soviet laboring class in Kazakhstan, 1917-1940] Formirovanie i razvitiie sovetskogo rabocheho klassa v Kazakhstane (1917-1940gg.). Alma-Ata, Nauka, 1966. 241 p.
- OVSOV, A.IA. [Housing and service industries on a state farm] Zhilishchno-bytovaia rabota v sovkhose. [Moskva] Profizdat, 1966. 69 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 24) (72)
- PARAMONOV, I.V. [The paths behind us] Puti proshenye. Moskva, Profizdat, 1966. 328 p. (O zhizni i o sebe)
- [PARTICIPATION OF TRADE UNIONS IN LAND IMPROVEMENT] Uchastie profsoiuzov v melioratsii zemel'. [Moskva] Profizdat, 1966. 46 p. (Biblioteka sel'skogo profsoiuznogo aktivista, no. 18) (69)
- PAUPA, V. [Economic efficiency of mechanization and automation in the machinery industry of the Latvian S.S.R.] Mechanizatsiia i avtomatizatsiia ekonomicheskaii effektivitate Latvijas PSR masinsuive. Riga, Znaniie, 1966. 53 p. [In Latvian]
- PAVLOV, D.V. [Soviet trade in contemporary conditions] Sovetskaiia tovgovlia v sovremennykh usloviiakh. Izd. 2., perer. Moskva, Ekonomika, 1965. 221 p. (CIV)
- PERSKH, D.I. [Organization and planning for cotton manufacturing production] Organizatsiia i planirovanie khlopushchubumazhnoho proizvodstva. Moskva, Legkaia industriia, 1966. 303 p.
- PETROVSKI, I.U.V. [A hotel at your service] Gostinitsa k vashim uslugam. Kyiv, Budivel'nyk, 1965. 36 p.
- PIMENOV, A.A. [Cognizance and use of the economic laws of socialism; a lecture delivered for students of higher economics courses] Poznanie i ispol'zovanie ekonomicheskikh zakonov sotsializma, lektsiia, prochnannai dlia slushatelei vysshiikh ekonomicheskikh kursov. Novocherkassk, Novocherkasskii politekh. in-t, 1966. 22 p. [MICROFILM]
- PODOL'SKII, I.U.IA., and M.N.MART'IANOVA. [Statistics of an industrial enterprise] Statistika promyshlennogo predpriatia. Pod red. G.IA.Kipermana. Moskva, Statistika, 1965. 202 p.
- POLTEV, M.K. [Ways for increasing traffic safety in automotive transportation] Puti povysheniia bezopasnosti dvizheniia avtomobil'nogo transporta. Moskva, Vysshiaia shkola, 1965. 83 p. [MICROFILM]

- POMAZANOV, S. I. [Comprehensive development of the national economy in socialist countries]. Kompleksnoe razvitiye narodnogo khozaystva v stranakh sotsializma Moskva, Mysl', 1966 250 p.
- POPOV, I. G. [Linear programming in economic calculations (in agriculture). *Lineynoye programmirovaniye v ekonomicheskikh raschetakh po sel'skomu khozaystvu*, uchebnoe posobie. Moskva, In-t nauki, 1961 102 p.
- POPOV, V. E. [Organization of wages in machinery manufacturing enterprises]. Organizatsiya zarabotnoy platy na predpriyatiyakh mashinostroyeniya Kiev, Tekhnika, 1955 165 p.
- PRUDENSKII, G. A. [Time and labor]. Vremya i trud Moskva, Mysl', 1955 342 p.
- PUTALOV, A. K. [The most important, the main thing]. Samoe vazhnoe, samoe glavnoe. Finlay, Kluggerpizdat, 1933 49 p.
- [REGULATIONS FOR THE WORK OF TRADING CONCERNS AND FOR THE SALE OF GOODS]. Pravila raboty tovarnykh predpriyatiy i prodazhi tovarov, sbornik normalnykh materialov Izd. 3., pechat Moskva, Ekonomika, 1965 509 p. (MH-L)
- RIZHSKIY POLITEKHNIЧЕСКИЙ ИНСТИТУТ. *Kafedra organizatsii i ekonomiki proizvodstva*. [Economic efficiency of improving articles]. Ekonomicheskaya effektivnost' sovshenshivaniya izdelii [By] L. I. Gagarin-Kurak. Riga, 1966 69 p.
- RUBAKIN, A. I. [Praise to old age]. Pokhvala stariosti Moskva, Sotsialskaya Rossiya, 1965 256 p.
- RUDENKO, J. E. [Organization of economic work in textile enterprises]. Organizatsiya ekonomicheskoy raboty na tekstilnykh predpriyatiyakh. Moskva, Leningradskaya Industriya, 1965, 275 p. (CaOTU)
- RUSSIA (U.S.S.R.). Gosudarstvennyy komitet po delam stroitel'stva. [Amendments and supplements to the "Uniform norms and prices for construction, assembly and construction repair work" (ENR) and to the "Standard wage and occupation classification manual for workers employed in construction and construction repair work" (ETKS). Dopolneniya i izmeneniya k "Edinym normam i tsenam na stroitel'nye, montazhnye i remontno-stroitel'nye raboty" (ENR) i k "Edinomu tarifno-kvalifikatsionnomu spravochniku rabot i professii rabochikh, zanятых v stroitel'stve i na remontno-stroitel'nykh rabotakh" (ETKS) 1960 g. Moskva, Stroiizdat, No. 7, 1965, 102 p.
- RUSTAMOV, M. A. [General characteristics of the advancement of the cultural and technological level of the labor class in our country]. Otkritiye fele sifinila mekhaniko-tekhniki sovetskimi inzhenerami gannauj-gunguljary Bak, Azerbaychan SSR elmet akademij-pisy noshirijaty, 1960. 323 p. [In Azerbaijani]
- SAMENULO, G. M. [Economic analysis of the production and managerial operations of woodworking industry enterprises]. Ekonomicheskii analiz proizvodstvenno-khoziaistvennot delatel'nost' delovoyabratiya iushchikh predpriyatiy. Moskva, Lesnaya promyshlennost', 1966 330 p.
- SERGEEV, M. A. [Organization of business accounting in a machinery manufacturing enterprise]. Organizatsiya khoziaistvennogo rascheta na mashinostroyitel'nom predpriyatii. Moskva, Mashinostroyeniye, 1966. 227 p.
- SERGEYEV, Z. V. [Workers' trade union committee and establishing work norms on state farms]. Rabochiy komitet i normirovaniye truda v sovkhoozakh. [Moskva] Profizdat, 1965, 46 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 20(68))
- SHPIRT, A. I. [Expansion of foreign state monopoly capital in Africa]. Ekspansiya inostrannogo gosudarstvenno-monopolisticheskogo kapitala v Afrike. Moskva, Nauka, 1966, 192 p.
- SKALOV, K. I. ed. [Transportation junctions]. Transportnye uzly. Moskva, Transport, 1966 507 p.
- SLAVNYI, I. D. [Currency circulation and economic reform]. Deneghnoe obrashcheniye i ekonomicheskaya reforma. Moskva, Finansy, 1966 76 p.
- SLEDE, E. [Tomorrow of the public transportation of Riga]. Riga sabiedriskā transporta tīklo, Riga, Liešma 1965, 90 p. [In Latvian]
- SUCHIKOV, A. V. [Socialist industrialization in the Tajik S.S.R.]. Sotsialisticheskaya industrializatsiya v Tadzhikskoy SSR. Dushanbe, Tadzhikskiy gos. univ., 1965. 192 p. (MICROFILM)
- SUROVA, E. I. [The flying bicyclist]. Letayushchii vlosipedist [Moskva] Molodaiy gvardi, 1966 93 p.
- TARASENKO, M. I. A. [Business accounting of construction organizations and operation planning in construction, as exemplified by the construction organizations of Chelabinsk Province]. Vnutri postroyeniya khoziaistva i operativnoe planirovaniye v stroitel'stve, na primerakh stroitel'nykh organizatsii Chelabinskoi oblasti. [Chelabinsk] Chelabinskoe knizhnoe izd-vo, 1963 99 p.
- [TARIFF GUIDE No. 4] Tarifnoe rukovodstvo No. 4 Moskva, Transport Book 2 Pt. 1 [Alphabetical list of railroad stations Effective from October 1, 1965] Alfavitnyy spisk stantsionno-ozhnykh stantsii Vvedeno v deystvie s 1 oktobra 1965 goda 1965 559 p.
- [TRADE UNIONS OF CENTRAL AMERICA AND THE CARIBBEAN SEA COUNTRIES]. Profsoyuzy stran Tsentral'noi Ameriki i Karibskogo Moria. [Moskva] Profizdat, 1966, 161 p. (Profsoyuzy mira)
- [TRADE UNIONS OF SOUTH AMERICAN COUNTRIES]. Profsoyuzy stran Iuzhnoi Ameriki [Moskva] Profizdat, 1966 182 p. (Profsoyuzy mira)
- TSAPKIN, N. V., ed. [Firms and economics; from the work practice of Leningrad industrial combines]. Firmy i ekonomika, iz opyta raboty leningradskikh proizvodstvennykh ob'edinenii. Sbornik statei. [Leningrad] Lenizdat, 1966, 228 p.
- TSENTSIPIER, M. B. [You may not be a poet...]. Poetom mozhesh' ty ne byt'. Moskva, Znanie, 1966, 79 p. (Narodnyi univ. shtet Pedagogicheskii fakul'tet, no. 11)
- TUKHIVATULLINA, K. G. [The youth of Bashkiri are in the front ranks]. Molodozh' Bashkiri na perednem krae Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 54 p. (Biblioteka komunisticheskogo aktivista) (CSI-II)
- TURSUNOVA, S. N. [Committees of the village poor were the support of the Communist Party in the socialist transformation of the Tajik village]. Itifok kambagalon - oyoia Kommunisticheskoi partii v sotsialisticheskoi preobrazovanii tadzhikskogo kishlaka. Dushanbe, Irion, 1965. 59 p. (CSI-II)
- TUSHUNOV, I. A. [Economics of the use of equipment]. Ekonomika ispol'zovaniya oborudovaniya. [Moskva] Mosk rabochi, 1966. 63 p.
- UK - - - - -
- aktivnosti tekhnicheskoi informatsii. Kiev, 1965, 20 p. (MICROFILM)
- UL'IANOV, A. I. [Collective agreement in an agricultural enterprise]. Kollektivnyi dogovor na sel'skokhoziaistvennom predpriyatii. [Moskva] Profizdat, 1966, 29 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 19(67))
- USMANOV, S. U., and A. B. KOMAROVSKI. [When the neighbors lend a hand]. Bol'shoi khashar. Moskva, Politizdat, 1966. 77 p.
- VAFAYEV, A. D. [Material and technical foundation of the textile industry of Tajikistan]. Materialno-tekhnicheskaya baza tekstil'noi promyshlennosti Tadzhikistana. Pod red. Kh. K. Kurbanova. Dushanbe, Irion, 1965, 96 p.
- VAKSHUL', N. I. [Continuous operation planning]. Nepreryvnnoye operativnoe planirovaniye. Khar'kov, Papar, 1966. 79 p.
- VASIL'EV, G. A. [Economic efficiency of automatic lines in machinery manufacturing]. Ekonomicheskaya effektivnost' avtomaticheskikh liniy v mashinostroyeni. Moskva, Mashinostroyeniye, 1965. 54 p.
- VOLT, VELLO. [Setting up norms of working capital in industrial enterprises]. Toostusetoovetete kaibevahendite noimeemine Tallinn, Eesti Raamat, 1966 63 p. [In Estonian]
- VOROPAEVA, A. V., V. N. ARTERIOV, and Z. M. KOROL'. [Statistics of the state purchases of agricultural products]. Statistika zagotovok sel'skokhoziaistvennykh produktov. Minsk, Vysshaya shkola, 1965. 68 p. (CSI-II)
- WARD, BARBARA. [Five ideas that change the world. Translated from the English]. Piat' idei, kotorye meniyat mir. New York, F. A. Praeger [1961] 160 p. (NIC)
- WORLD POPULATION CONFERENCE. 2d, Belgrade, 1965. [Problems of population and demographic statistics, reports of Soviet scientists and specialists at the 1965 U.N. World Population Conference]. Voprosy narodnoseneniya i demograficheskoi statistiki, doklady sovetskikh uchennykh i spetsialistov na Vsemirnoi konferentsii ONO po voprosam narodnoseneniya 1965 goda. Pod red. P. G. Pod'kachikhi i dr. Moskva, Statistika, 1966, 398 p.
- ZAKHAROVA, V. I., and N. F. ULER. [Establishing of work norms and wages in industry]. Normy i shchety shchitaniya munitiy v industrii. Kishinev, Karla Moldovenaske, 1966, 44 p. (Kunoghtintse ekonomiche tekerai munitit) [In Moldavian]
- ZAPOROZHETS', SYDIR. [Social problems of everyday life]. Sotsial'no-pobutovi problemi. Toronto, 1966, 206 p. (CoU)
- ZENKA, V. [Agriculture in the five-year plan]. Lauksaimnieciba piecgoth. Riga, Liesma, 1966. 59 p. [In Latvian]
- ZERKIN, D. P. [Sources and moving forces of the development of socialist society]. Istochniki i dvizhushchie sily v razvitiya sotsialisticheskogo obshchestva [Moscow-na-Donu] Izd-vo Rostovskogo univ., 1966 244 p.
- ZERNOV, E. V. [Organization and planning of the production of synthetic fibers]. Organizatsiya i planirovaniye proizvodstva khimicheskikh volokon. Moskva, Khimika, 1966. 305 p.
- ZLOMANOV, L. P., and I. S. RYBAKOV. [What industry does for agriculture]. Promyshlennost' sel'skomu khoziaistvu. Moskva, Ekonomika, 1966. 86 p. (Aktual'nye problemy ekonomiki sel'skogo khoziaistva)
- ZOLEV, S. O. [Development of Chechen-Ingush industry]. Razvitiye promyshlennosti Checheno-Ingusheti. [Grozny] Checheno-Ingushskoe knizhnoe izd-vo, 1966. 57 p. (MICROFILM)
- ZUBCHIK, N. D. [How to organize business accounting on a collective farm]. Kak organizovat' khoziaistvo v kolchoze. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1962. 69 p.
- ZYRIANOV, F. P. [Intensification is the main element; activity of party organizations of the Northern Caucasus in the development of agricultural production]. Intensifikatsiya - glavnoe zveno, delatel'nost' partiinykh organizatsii Severnogo Kavkaza po razvitiyu sel'skokhoziaistvennogo proizvodstva. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1966. 261 p. (CSI-II)

## 6. POLITICAL SCIENCE

- AKADEMIA NAUK SSSR. Institut mirovoi ekonomiki i mezhdunarodnykh otnoshenii. [Political life in the U.S.A., problems of internal policy]. Politicheskaya zhizn' v SHA, problemy vnutrennei politiki. Moskva, Nauka, 1966. 294 p.
- AKSEL'ROD, G. S. [Payment for fear]. Plata za strakh. Moskva, Voentizdat, 1965. 93 p.
- BAGDASARIAN, OVANES. [Leninist unity of the Communist Party, Leninist unity of the Communist Party]. Erevan, Armianskoe gos. izd-vo 1962, 233 p. [In Armenian] (MH)
- BAGRAMOV, E. A. [The nationalities problem and bourgeois ideology; criticism of modern political and social logical concepts]. Natsionalnyi vopros i burzhuaznaya ideologiya; kritika sovetskikh politiko-sotsiologicheskikh kontseptii. Moskva, Mysl', 1966 324 p.





**ESTONIAN S.S.R. Laws, statutes, etc.** [Criminal procedure code of the Estonian S.S.R., supplemented with a commentary] Eesti NSV kriminaalprotsessi koodeks. Kommentaaritud väljaanne. Tallinn, Eesti Raamat, 1965. 503 p. [In Estonian]

**ESTONIAN S.S.R. Laws, statutes, etc.** [Labor laws, a collection of present-day normative acts] Tööseadusandlus, kehtivate normatiivaktide kogumik. 2. täiendatud väljaanne. Tallinn, Eesti Raamat, 1964. 479 p. [In Estonian]

**ESTONIAN S.S.R. Laws, statutes, etc.** [Labor laws, a collection of present-day normative acts] Tööseadusandlus, kehtivate normatiivaktide kogumik. 2. täiendatud väljaanne. Tallinn, Eesti Raamat, 1966. 562 p. [In Estonian]

**ESTONIAN S.S.R. Ülemnõukogu** [Meetings of the Sixth Supreme Soviet of the Estonian S.S.R., ninth session, September 14-15, 1966. Verbatim report] Eesti NSV Ülemnõukogu kuenda koosseisu üheksas istungiaeg 14-15 septembril 1966. Stenogramm. Tallinn, Eesti Raamat, 1966. 139 p. [In Estonian]

**FUKS, S.L.** [Soviet law from the period of the transition to the new economic policy to the beginning of the advance of socialism on a broad front, 1921-1929; a summary of lectures] Sovetskoe pravo v period ot perekhoda k novoy ekonomicheskoy politike do nachala nastupleniya sotsializma po vsemu frontu, 1921-1929 gg. konспект lektsii. Khar'kov, Khar'kovskii iurid. in-t, 1965. 60 p. (CSL-II)

**KHARKOVSKII JURIDICHESKII INSTITUT.** [Problems of forensic photography, summary of lectures for students of Kharkov Law Institute] Voprosy sudobnoy fotografii, konspekt lektsii dlia studentov Khar'kovskogo iuridicheskogo instituta. Khar'kov, 1965. 44 p. (CSL-II)

**KIRGHIZ S.S.R. Laws, statutes, etc.** [Civil code of the Kirghiz S.S.R.] Grazhdanskii kodeks Kirgizskoi SSR. Frunze, "Kyrgyzstan," 1964. 400 p. [In Kirghiz and Russian]

**KIRGHIZ S.S.R. Laws, statutes, etc.** [Civil procedure code of the Kirghiz S.S.R.] Grazhdanskii protsessual'nyi kodeks Kirgizskoi SSR. Frunze, 1964. 425 p. [In Kirghiz and Russian]

**KIRGHIZ S.S.R. Laws, statutes, etc.** [Constitution (fundamental law) of the Kirghiz Soviet Socialist Republic] Kyrgyz Sovetskii Sotsialisticheskii Respublikasynym konstitutsiiasy (neglzi zakonu) Kyrgyz SSR in al'lynchy shailangan Zhogorku Sovetnin uchunchu - be-shinchi sessialaryda kabil alyngan ozgortunloru zhana tohtootloru mnen. Frunze, "Kyrgyzstan," 1965. 36 p. [In Kirghiz]

**KRUGER, G.A.** [Struggle against misappropriation of socialist property] Bor'ba s kishcheniemi sotsialisticheskogo imushchestva. Moskva, Iurid. lit-ra, 1965. 328 p. (CaOTU) (MH-L)

**LATVIAN S.S.R. Laws, statutes, etc.** [Civil procedure code of the Latvian Soviet Socialist Republic] Latvijas Padomju Sociālistiskās Republikas civiltiesas kodekss. Rīga, Liesma, 1966. 504 p. [In Latvian]

**MOLDAVIAN S.S.R. Laws, statutes, etc.** [Statute on elections to district, city, village, and settlement soviets of workers' deputies in the Moldavian S.S.R.] Regulamentul de alegeri în soviete locale, oroshenshi, sateshi shi de oroshel de deputati la oameleni muncii din RSS Moldoveneaske. Aprobat prin Ukazul Prezidiumului Sovietului Suprem al RSS Moldoveneashe din 17 decembrie 1954 lu modifikierile shi kompletierile, ynhoduse prin Ukazurile Prezidiumului Sovietului Suprem al RSS Moldoveneashe din 18 decembrie 1958, 19 ianuarie 1959, 30 iulie 1959, 12 ianuarie 1963 shi 8 decembrie 1965. Kishineu, Karta Moldoveneaske, 1967. 34 p. [In Moldavian]

**MOSKOVSKII GOSUDARSTVENNYI UNIVERSITET.** Kafedra trudovogo prava. [Labor law] Trudovoe pravo. Pod red. N.G. Aleksandriova. Moskva, Iurid. lit-ra, 1966. 542 p.

**NIGAI, M.A.** [Socialistic legality watches over the public order] Sotsialisticheskaya zakonnost' na strazhe obshchestvennogo poriadka. Alma-Ata, "Kazakhstan," 1966. 58 p. (CSL-II)

**PALTSEI, A.** [Dismissal of criminal cases and placement of the accused in the custody of workers] Kriminialnyustulusest vabastamine uhiskondikule paodu-sele anditse tottu. Tartu, Tartu Riiklik Ülikool, 1965. 66 p. [In Estonian]

**PANOVA, E.A.** [Internal regulation of work on state farms] Vnutrenniy trudovoy asportadok v sovkhozakh. Moskva, Iurid. lit-ra, 1966. 193 p.

**PAPSHUOV, S.KH.** [Role of Soviet labor law in the defense of socialist property] Rol' sovetskoy trudovogo prava v okhrane sotsialisticheskoy sobstvennosti. Cherkessk, Stavropol'skoe knizhnoe izd-vo, 1965. 79 p. (CSL-II)

**PEOPLE'S CONTROL,** a textbook for students of people's universities and faculties of people's controllers [Narodnyi kontrol', uchebnoe posobie dlia slushatelei narodnykh universitetov, fakul'tetov narodnykh kontrolerov. Moskva, Znanie, 1966] 169 p. (Narodnyi universitet' Fakul'tet pravovykh znanii, nos. 11/12)

**PETROV, V.V.** [Statute of the agricultural artel and modern collective farm laws] Ustav sel'skokhoznofstvennom arteli i sovremennoe zakonodatel'stvo o kol'khozakh. [Kazan'] Izd-vo Kazanskogo univ., 1966. 220 p.

**POLAND. Laws, statutes, etc.** [Civil code of the Polish People's Republic. The law of April 23, 1964. Translated from Polish] Grazhdanskii kodeks Polskoi Narodnoi Respubliki. Zakon ot 23 aprilia 1964 goda. Pod red. I.A. Gringol'tsa. Moskva, Progress, 1966. 373 p.

**ROZENBERG, M.G.** [Legal regulation of relations between the all-Union corporations of foreign trade and the Soviet organizations which order imported goods] Pravovoe regulirovanie otnoshenii mezhdu vnesohuznymi vneshetorgovymi ob'edineniyami i sovetskimi organizatsiyami - zakazchikami importnykh tovarov. Moskva, IMO, 1966. 114 p.

**RUSSIA (U.S.S.R.)** Upravlenie podgotovki kadrov schetnykh rabotnikov. [Basic principles of collective farm law, the program, methodological advice, and supplements to the instructional literature. For correspondence students of courses for raising the qualifications of accountants and chief (senior) accountants of collective farms] Osnovy kol'hoznoy prava, programma, metodicheskie ukazaniya i dopolneniya k uchebnoi literature. Dlia uchashchikhsia zaachnykh kursov povyshe-niya kvalifikatsii bukhgal'terov i glavnykh (stariishikh) bukhgal'terov kol'khov. Moskva, Statistika, 1965. 60 p. (MICROFILM)

**SHARDYKO, S.T., ed.** [Commentaries to the Criminal Code of the White Russian S.S.R.] Kommentarii k ugodovnomu kodeksu Belorusskoi SSR. [By] I.I. Gorelik i dr. Minsk, Belarus', 1966. 459 p.

**SHCHEPAKIN, D.M.** [Public order is in the hands of the people] Obshchestvennyi poriadok - v rukakh naroda. Tula, Priokskoe knizhnoe izd-vo, 1965. 301 p. (MH-L)

**SKRIPKO, E.IA.** [Protecting the rights of efficiency engineers] Okhrana prav ratsionalizatorov. Minsk, Nauka i tekhnika, 1966. 214 p.

**TAJIK S.S.R. Laws, statutes, etc.** [Statute on elections to province, district, city, village, and settlement soviets of workers' deputies in the Tajik S.S.R.] Tozhikiston SSR mekhatkashlar deputatlarining oblat, rayon, shahar, kishlov va posolka sovetlari qat'g'irlar tuzg'ida nizom. Tozhikiston SSR Olti Sovetlari Prezidiumining 1950 III 5 oktabridagi fa'moni bilan tasdiqlangan. Dushanbe, Ifon, 1964. 27 p. [In Uzbek]

**VAEMAN, E., and U. SMIRNOV** [Laws on administrative responsibility, questions and answers] Zakonodatel'svo ob administrativnoi otvetstvennosti, otvety na voprosy. Kishineu, Karta Moldoveneaske, 1966. 90 p. (Nashla iuridicheskaya konsul'tatsiya)

## 8. EDUCATION

**AFANAS'EV, V.F., and I.M. BRIUKHANOV.** [Yakutsk State University, handbook for admission] Yakutskii gosudarstvennyi universitet, spetsial'nyy dlia postupa-iushchikh. Yakutsk, Yakutskoe knizhnoe izd-vo, 1965. 59 p. (MICROFILM)

**AGRANOVSKII, M.A.** [Skiing] Lyzhnyi sport. 2. izd. Ispr. i dop. Moskva, Fizkul'tura i sport, 1966. 220 p.

**AKADEMIA NAUK TADZHIKSKOI SSR.** Tsentral'naya nauchnaya biblioteka. Zarif Sharipovich Radjabov. Vstupeniya G.E. Bellakova i S.D. Gubark. Bibliografiya sost. N.G. Shcherbakov. Dushanbe, Dombi, 1966. 58 p. (Materialy k bibliografiy uchenykh Tadzhikistana, no. 11)

**BURMISTROVA, M.N.** [Pedagogical work with the sick child] Pedagogicheskaya rabota s bol'nymi i rebenkami. Moskva, Meditsina, 1964. 157 p. (DNLM)

**[CHAMPIONS ARE NOT BORN]** Chempionami no tozhdaiutsia. L'vovsk, "Udmutilia," 1965. 78 p.

**CHECHEIDAEV, SUKAKMAT.** [Pedagogical education in the Kirghiz S.S.R., 1955-1964] Pedagogicheskoe obrazovanie v Kirgizskoi SSR (1955-1964 gg.). Pod red. K.K. Karakeeva. [n.p., Mektep, 1965] 134 p.

**[FIGHTERS OF THE IDEOLOGICAL FRONT, sketch of the education of the new man]** Bol'say ideologicheskogo fronta, ocherki o vospitatel'nykh novogo cheloveka. Tula, Priokskoe knizhnoe izd-vo, 1964. 205 p. (CSL-II)

**FILATOV, LEV.** Khokkei. Hockey. [Moskva, Izd-vo Agentstva pechatii Novosti, 1966] 91 p. [Parallel texts in Russian and English]

**GORGIEV, T.B., and V.F. RUDENKO.** [The heglogluk of the black king] Osada cheirnogo korol'ia. Dnepropetrovsk, Dnepropetrovskoe knizhnoe izd-vo, 1966. 131 p. (OCI)

**IADESHKO, V.I.** [Development of speech in children from 3-5 years, formation of sentences in children's speech] Razvitiye rechi detei ot trekh do piati let, oformirovaniye predlozhenii v rechi detei. Moskva, Prosveshchenie, 1966. 94 p.

**INOIATOV, N.SH.** [Struggle of the Communist Party for the training and education of teaching personnel in Uzbekistan, 1921-1925] Bor'ba Kommunisticheskoi partii za podgotovku i vospitanie uchitel'skikh kadrov v Uzbekistane, 1921-1925 gg. Tashkent, Nauka, 1963. 31 p. (CSL-II)

**[KNIGHTS OF THE "QUEEN"]** Ryt'sari "korolevy." Moskva, Sov. Rossiya, 1966. 134 p.

**KRUTETSKII, V.A., ed.** [Problems of the psychology of the abilities of schoolchildren] Voprosy psikhologii sposobnostei shkol'nikov. Moskva, Prosveshchenie, 1964. 258 p. (NIC)

**LANDA, L.N.** [Algorithms and programmed instruction, some problems of theory and methodology in programming. Materials for the 4th All-Russian Conference on Programmed Instruction and Use of Technical Teaching Aids] Algoritmy i programmirovannoe obucheniye, nekotoryye voprosy teorii i metodiki programmirovaniya. Material k IV i Vserossiiskoi konferentsii po programmirovannomu obucheniiu i primeneniui tekhnicheskikh sredstv. Moskva, RSFSR Pedagog. ob-vo. Tsentr. Sovet, 1965. 52 p. (MICROFILM)

MAMONTOV, I.S. [Factory and plant local committees and the communist education of the workers] FZMK i kommunisticheskoe vospitanie trudnashchikhsin [Moskva] Profizdat, 1969, 94 p. (Biblioteka profsotuznogo aktivista, no. 3(99)) (MH)

MIENIK, O.I. [Those who stay in life] Vstupishchite v zhizn', Dnepropetrovsk, Promin', 1966, 60 p.

MOSKOVSKIY GORODSKOI INSTITUT USOVERSHENSTVOVANIA UCHITELEI. [Planning of the work in mathematics in the 5th-8th grades, methodological instructions] O planirovani i raboty po matematike v V-VIII klassakh, metodicheskie ukazaniia. Moskva, 1966, 67 p.

MOSKOVSKIY GORODSKOI INSTITUT USOVERSHENSTVOVANIA UCHITELEI. [Planning of the work in mathematics in the 7th-8th grades; methodological instructions] O planirovani i raboty po matematike v VII-VIII klassakh, metodicheskie ukazaniia. Moskva, 1966, 97 p.

NASTUKOV, G.A. [An evening of dancing] Veche: tantsa [Moskva] Profizdat, 1965, 261 p. (KU)

OCHAKOVSKAYA, L.S. [Conversation on a touchy theme] Razgovor na ostruiu temu, Moskva, Znaniie, 1966, 70 p. (Nauchnyi universitet; Pedagogicheskii fakul'tet, no. 19)

ROZHDESTVENSKIY, N.S. [Methodology of teaching elementary Russian, for faculties preparing primary school teachers in the pedagogical institutes] Metodika nachalnogo obucheniia russkomu yazyku, dlia fakul'tetov podgotovki uchitel'ei nachal'noi shkol'y pedagogicheskikh institutov. Moskva, Prosveshchenie, 1965, 340 p. (NeU)

RUSSIA (U.S.S.R.). Upravlenie nauchnogo obshchestvennykh nauk. [Recommended subjects for lect papers on scientific communism for correspondence schools of higher education, correspondence faculties and departments of universities] Primeriia tematika konf'erentsii i rabot po kursu nauchnogo kommunizma dlia zaочnykh vysshikh uchebnykh zavedenii, zaочnykh fakul'tetov i otdelov vuzov. Moskva, Mysl', 1966, 30 p.

SHORT, N.S. [Golden fleece; from a hunter's notebook] Pushinki - zolotukh; iz bloknota okhotnika, Arslavi', Veikmo-Volzhske knizhnoe izd-vo, 1966, 68 p.

SOIUZ SPORTIVNYKH OBNCHESTV I ORGANIZATII SSSR. Tsentral'nyi sovet. [Volleyball; competition rules] Voleibol; pravila sorenovani. Moskva, Fizkul'tura i sport, 1966, 42 p.

SOMOV, A. [Crosswords, puzzles, cryptograms] Krossvordy, golovolomki, kriptogrammy, IAsosval', Veikmo-Volzhske knizhnoe izd-vo, 1966, 86 p.

SUNA, MARIS. [Latvian round dances] Latviesu rindas un otdalajas. [Riga] Zinatne [1966] 68 p. [In Latvian]

USHICHEVA, TS.L. [Physical education of adolescents] Fizicheskoe vospitanie podostkov. Moskva, Meditsina, 1966, 42 p. (Nauchno-populiarnia meditsinskala literatura)

UUSKULA, HANS. [Propagandists and the palaces of political education] Propagandist ja poliitika iduamja. Tallinn, Eesti Raamat, 1966, 127 p. [In Estonian]

VASIL'KOV, G.A. [Gymnastics for children of the younger school age, collection of general exercises for school and home. A manual for teachers of the first to fourth grades and for paronies] Gimnastika dlia detei mladshogo shkol'nogo vozrasta, sbornik obshcherazvivatushchikh uprazhnenii dlia zaniatii v shkol'e i doma. Posobie dlia uchitel'ei I-IV klassov i roditel'ei. Moskva, Prosveshchenie, 1966, 140 p.

## 9. MUSIC, THEATER & MOTION PICTURES

BAZHANOV, N.D. [Rachmaninov] Rachmaninov, Moskva, Molodaja gvardiia, 1966, 340 p. (Zhizn' zamechatel'nykh liudei: seria biografii, no. 10(356))

BELZA, I.F. [Mozart; for the 200th anniversary of his birth] Mozart, k 200-letiiu so dnia rozhdeniia [n.p., Tip. Biblioteki im. Lenina, 1956] 23 p. (Vpomoshch' slushatellam kontsertov) (CaOTU)

CHAIKOVSKIY, P.I. [Complete collected works] Polnoe sobranie sochinenii, Moskva, Muzyka. Vol. II. [Literary works and correspondence] Literaturnye proizvedeniia i perepiska. Tom podgotovlen K.I.U. Davydovoi i G.I. Labutnoi. 1966, 358 p.

[COMPOSERS' UNION OF AZERBAIJAN] Soluz kompozitorov Azerbaidzhana. Baku, Azerbaidzhanskoe gos. izd-vo, 1965, 122 p.

EFENDIEV, A.M., and A.A. OBUKHOVICH. [The lezhnka abroad, travel notes] Lezhnka za rubezhom, putevye zametki. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964, 54 p. (MH)

GRINER, V.A. [Rhythm in the art of an actor, methodological textbook for theatrical, cultural, educational schools] Ritm v iskusstve aktsia, metodicheskoe posobie dlia teatral'nykh i kul'turno-prosvetitel'nykh uchilishch. Moskva, Prosveshchenie, 1966, 154 p.

GUSIN, I.L. [Evgenii Karlovich Tikotskii, a sketch of his life and work] Evgenii Karlovich Tikotskii, ocheik zhizni i tvorchestva. Leningrad, Muzyka, 1965, 80 p. (NIC)

[100 BALLET LIBRETTOS] 100 baletnykh libreto. Moskva, Muzyka, 1966, 363 p.

IWASAKI, AKIRA. [History of Japanese motion pictures. Translated from Japanese] Istoriia japonskogo kino, Moskva, Progress, 1966, 319 p. illus.

KHANOV, D.P., and S.I. VOSKRESENSKIY. [Practical guide to instrumentation for popular concert orchestras and ensembles] Prakticheskoe rukovodstvo po instrumentovke dlia estradnykh orkestror i ansamblei. Izd. 2. Moskva, Muzyka, 1966, 212 p.

KORDIANI, B.F., and L. MEL'NICHUK-LUCHKO. [Lvov State Ukrainian Drama Theater named after M. Zan'-kovsk'kala and decorated with the order of the Labor Red Banner] L'vivskiy derzhavnyi ordena Trudovogo Chervonogo Prapora ukrains'kyl dramatychnyi teatr imeni M. Zan'kovsk'koi. Kyiv, Mysl'etstvo, 1965, 97 p. (CaOTU)

KOZENKRANIUS, I., and V. TOBRO. [Cinema art of Soviet Estonia] Kino-iskusstvo Sovetskoi Estonii, Moskva, Soluz kinematografistov SSSR, Biuro propagandy sov. kino iskusstva, 1966, 43 p. illus.

KREMENSHTEN, B.L. [Training independence in students in a special piano class] Vospitanie samostoiatel'nosti uchashchegosia v klasse spetsial'nogo fortepiano. Moskva, Muzyka, 1966, 118 p. (Vpomoshch' pedagogu-muzykantu)

KREMNEV, B.G. [Schubert] Schubert. Moskva, Molodaja gvardiia, 1964, 300 p. (Zhizn' zamechatel'nykh liudei, Seria biografii, 18(302))

KUKARKIN, A.V. [The tenth muse or tenth victim? On the basic tendencies in present-day motion pictures of the West] Desiatina muza ili desiatina zherlva? Ob osnovnykh tendentsiakh v sovremennom kino Zapada. Moskva, Znaniie, 1966, 31 p. (Novoe v zhizni, nauke, tekhnike. VI Seria; Literatura i iskusstvo, no. 24)

LEBEDEV, A.K., and A.V. SOLODOVNIK. [Vasil'evich Stasov; his life and work] Vasil'evich Stasov, zhizn' i tvore. 1966, 184 p.

MARKOV, B.S. [Birth of the music vashin] Rozhdenie muzykal'nogo Cheboksary [Chuvashskoe knizhu. 97 p. (MH)

[MUSIC CALENDAR, 1967] Muzyka. god. Moskva, Muzyka, 1966, 36

ORLOV, G.A. [Soviet Russian syn lems, achievements] Russkii so puti, problemy, dostizheniia. 330 p.

PAI, VENDA. [I would rather lose umistan, Tallinn, Eesti Raamat [In Estonian]

[REINHOLD MORITSEVICH GLIERE tions, materials] Reingol'd Mor vospominaniia, materialy. Mosk (CU)

SEGEL', IAKOV. [Iakov Segel', his films and stories] Iakov Segel', ego fil'my i rasskazy [Moskva, Iskustvo, 1966] 231 p. illus.

SHAPIRO, Z.S. [Discussions of a producer, school amateur theatricals] Besedy rezhissera, shkol'nyi samodelatel'nyi teatr. Moskva, Prosveshchenie, 1966, 126 p.

SHISTAKOV, V.P., comp. [Musical aesthetics of the West European Middle Ages and the Renaissance] Muzykal'nala estetika zapadnoevropeiskogo srednevekov'ia i vozrozhdeniia. Moskva, Muzyka, 1966, 571 p. (Pamiatniki muzykal'no-esteticheskoi mysli)

SINIAVER, L.S. [Life of Chopin] Zhizn' Shopena. Moskva, Muzyka, 1966, 146 p. (Shkol'nala biblioteka)

STEFANOVYCH, M.P. [Mykhailo Ivanovych Danels', Kyiv, Mysl'etstvo, 1965, 39 p. (CaOTU)

STETSENKO, K.H. [Collected works in five volumes] Zibrannia tvoriv u p'iaty tomakh. Kyiv, Mysl'etstvo Vols. 1, 3-5, 1964-1966, 4 v. (InU)

STREKALOV, V.V., comp. [Sovetskii balet v tvorchestve E.A. Anson-Manizer] Soviet ballet in the work of Eyanon-Maniser. [Leningrad, Khudozhnik RSFSR, 1965] 129 p. 100 plates. [In French, Russian and English] (MH)

SUMAROKOV, A.A. [Through the eyes of an actor] Ginzami aktera. [Izd. dop. i perer] Kiev, Mysl'etstvo, 1966, 309 p. (CU)

[UKRAINIAN FOLK SONGS] Ukrain's'ki narodni pleni. Kyiv, Mysl'etstvo, No. 4, 1965, 282 p.

USTINOVA, T.A. [Preserve the beauty of Russian dancing] Berechi krasotu russkogo tansa. [Moskva] Molodaja gvardiia, 1959, 111 p. (DGW)

VARTANOV, A.S. [The most popular] Samoe massovoe, Moskva, Sovetskala Rossiia, 1967, 116 p. (Biblioteka "Vpomoshch' khudozhestvennoi samodelatel'nosti," no. 2)

VASINA-GROSSMAN, V.A. [The romantic song of the 19th century] Romanicheskala pesnia XIX veka. Moskva, Muzyka, 1966, 104 p.

VERNERS, ARTURS. [Road of the song, life and work of Janis Ozoliuss] Dziesmas cels, Jana Ozolina dzive un dalrade. Riga, Liesma, 1966, 178 p. [In Latvian]

VIKHIREV, N.A. [With a movie camera through life] S kinoapparatom po zhizni. Moskva, Sovetskala Rossiia, 1966, 237 p. illus. (Rasskazy bytalykh liudei)

[WHEN THE SONG DOES NOT END] Kogda pesnia ne konchetsia. Moskva, Sovetskala Rossiia, 1967, 107 p. (Biblioteka "Vpomoshch' khudozhestvennoi samodelatel'nosti," no. 1)



BARTENEV, I. A. [Kindergartens, schools] Detskile sady, shkoly. Leningrad, Khudozhnikh RSFSR, 1966. 63 p. (Detel shkolyot izusstvo)

[... BIRTH OF CITIES] ... Ivoznikaat goroda. Moskva, Sov. Rossiia, 1967. 119 p. illus.

BRETANITSKII, L. S. [Azerbaijani architecture of the 12th-15th centuries and its role in the architecture of the Near East] Zedchestvo Azerbaidzhan XII-XV vv i ego mesto v arkhitekture Perednego Vostoka. Moskva, Nauka, 1966. 556 p. illus.

CHIZHIKOVA, E. N. Orest Adamovich Kiprenskii. [Leningrad, Khudozhnikh RSFSR, 1963] 49 p. (Narodnaia biblioteka po izusstvu) (MII)

DFGAS, HILAIRE GERMAIN EDGAR [Degas, 1831-1917] Degas, 1831-1917. Moskva, Sov. khudozhnikh [1965] 36 p. illus. (Masters miiovego iskusstva)

DUBROVIN, A. G. [Remarks about the beautiful, the aesthetic ideal, beauty and harmony in works of art] Zametki o prekrasnom, esteticheskom ideal, krasota i garmoniia v khudozhestvennom proizvedenii. Moskva, Znaniia, 1967. 36 p. (Kto ne v zhidat, nauch, toshkae. VI Seria: Literatura, no. 1)

ES OLANS S. S. R. RUKH Ehtuse- ja Arhitektuuri Komitee [Problems of the economics of city planning in the Estonian S. S. R.] Voprosy ekonomiki gradostroitel'stva v Estonskoi SSR, sbornik statei. Tallinn, Valgus, 1966. 58 p.

FEKHNER, M. V. Kolonna. 2. izd., dop. Moskva, Stroizdat, 1966. 137 p. (Arhitektura gosudov SSSR)

GOSUDARSTVENNAIA TRET'IAKOVSKAIA GALERIJA. [Drawings, water colors] Risunki, akvarel'. Moskva, Sovetskii khudozhnikh, 1966. 21 p. 146 illus.

HINNOV, VIRVE. Paul Raud, 1865-1930. Tallinn, Kunst, 1966. 125 p. illus. [In Estonian]

[HISTORY OF UKRAINIAN ART IN SIX VOLUMES] Istorija ukrains'koho mystelstva v shesty tomakh. Kyiv, Holovna red. Ukr. rad. entsyklopedii, Vol. 1. [Art of the ancient period and the time of Kievan Rus'] Mystetstvo nadavniashchikh chasiv ta epokhi Kyivs'koi Rusi. 1966. 450 p. illus.

KAZIEV, A. TU. [Artistic and technical materials and terminology of medieval book painting, calligraphy, and book-cover art] Khudozhestvenno-tekhnicheskie materialy i terminologiya srednevekovoi knizhnoi zhivopisi, kalligrafii i poepletnogo iskusstva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 132 p.

KURYLYCH, MYKHAILO. [Lvov souvenirs] L'vivskii suveniry. [L'viv Kamenina, 1965] 1 v. (chiefly illus.)

KUZ'MIN, N. V. [King Solomon's circles; pages from the past] Krug tsaria Solomona, stranitsy bylogo. Izd. 2., dop. Moskva, Sov. khudozhnikh, 1966. 206 p.

LEBEDINSKII, D. I. Balka. Irkutsk [Vostochno-Sibirskoe knizhnoe izd-vo] 1966. [1] p. 24 plates [Text in English, French and German insert]

PUMINA, I. N. [St. Petersburg Atelier of Artists] Peterburgskaya Atel' khudozhnikov. Leningrad, Khudozhnikh RSFSR, 1966. 77 p. illus. (MII)

SHANDOR, L. Z. [Emil' Hrabov's'kyl, a sketch of his life and work] Emil' Hrabov's'kyl, narys pro zhyttia i tvorchi'st'. Kyiv, Derzhavd-vo obrazovoi choho mystelstva i muzychnoi lit-yi URSR, 1962. 30 p. (CAOTU)

SHCHEDRIN, S. F. Sht'vestr Feodosievich Shchedrin, 1791-1830. Moskva, Sovetskii khudozhnikh [1965] 9 p. 42 plates. (MII)

SITNINA, M. K. [Seasons of the year, Russian landscape painting] Vremena goda, russkaya peizazhnaya zhivopis'. Moskva, Iskusstvo, 1966. 36 p. illus., plates. (NIC)

TIKHOMIROV, A. N. [Gustave Courbet] Giustav Kurbe. [Moskva, Iskusstvo, 1965] 190 p. illus. (MII)

TROFIMOV, P. S. [Lenin's party spirit and realism in art, historical and theoretical sketches] Leninskia partii'snost' i realizm v iskusstve, istoriko-teoreticheskie etudy. Moskva, Sov. khudozhnikh, 1966. 203 p.

UKRAINE, Gosudarstvennyi komitet po delam stroitel'stva. [An aid to the planner] V pomoshch' proekhtirovshchiku. Kiev, Budvel'nyk. Vols. 1-2. 1966. 2 v. (MII)

UKRAINIAN ARTISTS ASSOCIATION IN U.S.A. [Mykola Krychev's'kyl, an art exhibit] Mykola krychev's'kyl; mystet's'ka vystavka. New York, Literaturno-mystet's'kyl klub, 1965. [6] p. illus. [In Ukrainian and English] (NN)

ZODEL, REIN. [Tallinn town walls] Tallinna linnamuur Tallinn, Eesti Raamat, 1966. 155 p. illus. [In Estonian]

## 11. LANGUAGE, LITERATURE & FOLKLORE

ABDRAKIMANOVA, TURSUNKHAN. [Thoughts of a poet. Razdum'ia poeta. Alma-Ata, Zhazushy], 1965. 156 p. [In Kazakh] (MII)

ABRAMOV, I. V. [In the depth of the defenses, a novel] V glubine oborony; roman. [Moskva] Mosk. rabochi, 1966. 440 p.

ADVEENKO, A. O. [Mountain spring, a tale] Gornala vesna, povest'. Moskva, Gos. izd-vo detskoi lit-yi, 1955. 183 p. (Novinki detskoi literatury, no. 77) (OU)

AGAIAN, E. B. [Grammar of Old Armenian] Grammatika drevnearmenianskogo yazyka. Erevan, Izd-vo Akad. nauk Armianskoi SSR. Vol. 1. Pt. 1. 1964. 1 v. [In Armenian] (MII)

AGRANOVSKII, A. A. [News reports from the future] Reportazh iz budushchego. [Moskva, Gos. izd-vo detskoi lit-yi, 1962] 476 p. (IU)

AITIKEEV, TOKUSH. [In his own words, a poem] Oz sozu menon, Franze, Meitop, 1964. 48 p. [In Kirghiz] (IU)

AKADEMIA NAUK MOLDAVSKOI SSR. Institut yazyka i literatury. [Moldavian folklore; a chrestomathy] Folklor moldovenesk, krestomatia, Kishinev, Karlin Moldovenaske, 1966. 334 p. [In Moldavian] (IU)

AKADEMIA NAUK SSSR. Dmitrii Sergeevich Likhachev. Velup. stat'ia V. P. Adrianovoi-Porets. Bibliografiia sost. G. N. Finastinov i M. A. Salminoi. Moskva, Nauka, 1965. 104 p. (Materialy k bibliografiia uchenykh SSSR, Seria literatury i yazyka, no. 7)

AKADEMIA NAUK SSSR. Institut etnografi. [Contemporary Russian folklore] Sovremennyy russkii folklor. Moskva, Nauka, 1966. 254 p.

AKADEMIA NAUK SSSR. Institut mirovoi literatury. [Critical realism of the 20th century and modernism] Kriticheski realizm XX veka i modernizm. Moskva, Nauka, 1967. 284 p.

AKADEMIA NAUK SSSR. Institut mirovoi literatury. [Old Russian literature and its relation to modern times] Drevnerusskii literaturny i ee svyazi s novym vremenem. Moskva, Nauka, 1967. 390 p. (Issledovaniia i materialy po drevnerusskoi literatury)

AKADEMIA NAUK SSSR. Institut mirovoi literatury. [Works of Konstantin Fedin, articles, reports, documentary materials, meetings with Fedin, bibliography] Tvorchestvo Konstantina Fedina, stat'i, soobshcheniia, dokumental'nye materialy, vstrechi s Fedinym, bibliografiia. Moskva, Nauka, 1966. 628 p.

AKADEMIA NAUK SSSR. Institut russkogo yazyka. [Dictionary of the Old Russian language of the 11th-14th centuries, introduction, instructions, lists of sources, articles with examples] Slovar' drevnerusskogo yazyka XI-XIV vv., vvedenie, instruktsiia, spisok istochnikov, priblyz stat'i. Pod red. R. I. Avanesova. Moskva, Nauka, 1966. 301 p.

AKADEMIA NAUK SSSR. Institut russkogo yazyka. [Orthography and the Russian language] Ortografiia i russkii yazyk. Moskva, Nauka, 1966. 132 p.

AKADEMIA PEDAGOGICHESKIIH NAUK RSFSR. [Creative compositions in senior grades, on literary themes] Tvorcheskie sochineniia v stariishikh klassakh: na literaturnye temy. Pod red. N. V. Kolokol'tseva. Moskva, Prosveshchenie, 1966. 164 p.

AKIMATOVA, A. A. [The flight of time, verse, 1903-1965] Beg vremeni, stikhovoi enila, 1903-1965. [Leningrad, Sov. pisatel', 1965] 168 p. (MII) (PPIU)

AKIMOV, MIKHAIL. [Untimely death, dramas. Bez vremeniala smert', dramy. Cheboksary, Chuvashskii goizdat] 1965. 79 p. [In Chuvash] (MII)

ALEKSEEV, M. N. [Soldiers, a novel] Soldaty, roman. Moskva, Voenizdat, 1967. 630 p. (Sovetskii voennyi roman)

ALEKSEEV, O. A. [Little bell, verse] Giannok, stikhi. Moskva, Sovetskii pisatel', 1966. 89 p. (MII)

ALGA, A. E. [Life and death, stories and tales] Pamiat'na villem, kalyvennye povessom. Shupashkari, Chuvashskii ASSR knenke izdatel'stvi, 1966. 270 p. [In Chuvash] (MII)

ALGAZINA, N. N. [Preventing spelling errors among students of grades 5-8, a textbook for the teacher] Priuchezhenie o fognaficheskikh oshlokh uchashchikhshkh V-VIII klassov, posobie dlia uchitella. Moskva, Prosveshchenie, 1965. 279 p. (CIY)

ALIEVA, FAZU. [Fate, a tale. Translated from the Avaz] Sud'ba, povest'. Moskva, Sovetskii pisatel', 1966. 214 p. (MII)

ALVER, BETTI. [Starry hour, a collection of verse and poems] Tahetund, valik kulelusi ja poeme. Tallinn, Eesti Raamat, 1966. 229 p. [In Estonian] (MII)

AMONOV, R. [Oral folk literature of Kuyibay. Ustnnoe narodnoe tvorchestvo Kuliaba. Izd. 2., 1961. 1 dop. Dushanbe, Tadjikgosizdat] 1963. 250 p. [In Tajik] (MII)

AMONOV, R., comp. [Riddles] Chislonkho, Statimobad, Nashlet davlati Techikiston, 1956. 132 p. [In Tajik] (IU)

ANASTAS'EV, A. N. [Viktor Rozov, a sketch of his work] Viktor Rozov; ocherk tvorchestva. Moskva, Sov. pisatel', 1966. 245 p. (CIY) (IU)

ANDRIANOV, F. K. [Ask your conscience; a tale] Spi oshi svoju sovest', povest'. Saransk, Moldovskoe knizhnoe izd-vo, 1965. 199 p. (MII)

ANDRONOV, M. S. [Grammar of the Tamil language] Grammatika tamil'skogo yazyka. Moskva, Nauka, 1966. 269 p.

ANNIST, AUGUST, comp. [Mari, singer of folk songs; heroic poetry from the time of serfdom] Lahuena Mari; kangelaslugu vanast orjanast. Rahvapariimuutest toimind August Annist. Tallinn, Eesti Raamat, 1966. 84 p. [In Estonian]

- ARKHANGEL'SKII, V. L. [Set phrases in modern Russian, principles of the theory of set phrases and problems of general phraseology] *Ustolichnye frazy v sovremenom russkomazyke, osnovy teorii ustolichnykh fraz i problemy obshchei frazeologii*. [Rostov-na-Donu] Izd-vo Rostovskogo universiteta, 1961. 114 p. (MIU)
- ARTYKBAEV, K., and A. TADALDIEV. [Appearance of heroes] *Bastyralar synbaty*. Summe, Meklep, 1965. 138 p. [In Kirgiz]
- ARVIDS GRIGULIS, his life and work | Arvids Grigulis, dzive un darbs | Riga, Liksma, 1966. 78 p. (In Latvian)
- AZBUKIN, B. P. [Sevastopol nights, a tale] *Sevastopolskie nochi, povest'*. Simferopol', Krymizdat, 1961. 110 p. (Dla detei stashego shkol'nogo vozrasta) (IU)
- BADMAEV, B. B. [Grammar of the Kalmyk language, morphology] *Grammatika kalmytskogoazyka, morfolgiya*. Otv. red. B. K. Pashkov. Ellsin, Kalmytskoe knizhnoe izd-vo, 1966. 112 p. (NNC)
- BAKLANOV, G. I. A. [July of 1941, a novel] *Iul' 41 goda, roman*. Moskva, Sovetskii pisatel', 1965. 260 p. (PPII)
- [BALAD OF THE HEART] *Ballada imeni*. [Kishinev] Kartia Moldovenaske, 1966. 61 p. [In Moldavian]
- BANARU, G. [The peasants] *Tsaranii*. Editia a doua. Kishinev, Kartia Moldovenaske, 1966. 130 p. [In Moldavian]
- BARANOV, M. T. [Work with orthographical errors in grades 5-8, from a teacher's practice] *Rabota nad ortograficheskimi oshybkami v V-VII klassakh, iz opyta uchitel'a*. Pod red. G. P. Filsova. Moskva, Izd-vo Akademii pedagog. nauk SSSR, 1962. 40 p. (Pedagogicheskie chitlenia) (ICARIS)
- BARSKII, L. M. [Sources; tales, Rodniki, povesti, Kishinev] Kartia Moldovenaske, 1965. 173 p. [In Moldavian] (MI)
- BARUZDIN, S. A. [Your friends are my comrades, verse, stories, tales] *Tvoi druz'ia - moi tovarishchi, stikhi, rasskazy, povesti*. Moskva, Detskaya lit-ra, 1966. 277 p.
- BEBIUS, L. I. A., and L. A. LUBIMOVA. [Russian language, a textbook for the second grade with Latvian as the language of instruction] *Russkiiazyk, uchebnik dlia II klassa s latviskimiazykom obucheniya*. Riga, Latvieskoe gos. izd-vo, 1965. 213 p. illus. (In-cit)
- BELOV, R. P. [The sea will love you] *More tebia polubit*. [Perm'] Permskoe knizhnoe izd-vo, 1965. 41 p. (Rasskazy o sovetskikh ludiakh) (IU)
- BERKOVA, N., and E. SIMONOV, eds. [Stars above the mountain pass] *Zvezdy nad perevalom*. [Moskva, Flakul'tura i sport, 1964] 272 p. (NN)
- BESHLAGE, V. [Flight through the night; a novel] *Zbor frunt, roman*. [In p.] Lumina, 1966. 310 p. [In Moldavian]
- BILETS'KYI-NOSENKO, P. P. [Dictionary of the Ukrainian language] *Slovyk ukrains'koi movy*. Pidhotovay do vydannia V. V. Nimchuk. Kyiv, Naukova dumka, 1966. 421 p. (Pam'iatky ukrains'koi movy)
- BLANOV, A. D. [One does not seek one's happiness alone, a novel] *Schasli'ia ne ishehul' v odinochku, roman*. Moskva, Sovetskii pisatel', 1966. 326 p. (MI)
- BOGDANOV, E. F. [When the grass fades; stories] *Kogda ottsvelaiut travy; rasskazy*. [Arkhangelsk, Severo-Zapadnoe knizhnoe izd-vo, 1966] 145 p.
- BORISOV, B. A. [I shall endure everything] *IA vse vynesu*. Moskva, Znanie, 1966. 94 p.
- BOROVKOV, G. F. [Dederkoy] *Dederkoi*. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 119 p.
- BOTSU, PAVEL. [Continents, verse] *Kontinenty, versur*. Kishinev, Kartia Moldovenaske, 1966. 194 p. [In Moldavian]
- BRATAN, M. I. [A rainbow for people, lyrics] *Veselu - ludiam, lyrika*. Odesa, Molak, 1966. 98 p.
- BRAZIL, T. G. [Problems of the teaching of literature in grades 5-8 of the evening (shift) school] *Voprosy podgotovki literaturnykh v V-VIII klassakh vechernei (sushnoi) shkoly*. Moskva, Prosvechenie, 1965. 199 p. (NIC)
- BRONFMAN, I. L. [The snowdrop, verse] *Podsnezhnik, stikhi*. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1965. 71 p. (MICROFILM)
- BUBALU, DZMITRIYI. [Uladzimir Dubouka, critical and biographical sketch] *Uladzimir Dubouka, krytyka-biografichny narys*. [Minsk] Belarus' [1965] 183 p. (CIV)
- BUIIAIKO, T. F., F. F. BUIIAIKO, and P. D. MYSNYK. [Soviet Ukrainian literature, handbook for the 10th grade of the secondary school] *Ukrains'ka radians'ka literatura, 10 chynnyy, dlia 10 klasu sechnoi shkoly*. 6 vyd., zmeshene i dop. Kyiv, Radians'ka shkola, 1966. 467 p. (NN)
- BUKOV, EMILIAN. Andriush. Editia revizuta shi komplektate. [Kishinev] Kartia Moldovenaske, 1966. 109 p. [In Moldavian]
- BUKOV, EMILIAN. [My Vietnam! Vietnamul meu!] [Kishinev] Lumina, 1966. 57 p. [In Moldavian]
- BUKOV, EMILIAN. [Verse] *Veisur*. Kishinev, Kartia Moldovenaske, 1966. 151 p. (Kuletsia "Aurora") [In Moldavian]
- BURGU, IAKOB. [The sun on a crutch, a tale] *Soare yn kryzhe, povest'*. Kishinev, Kartia Moldovenaske, 1966. 73 p. [In Moldavian]
- CHADANIVSKYI, M. I. [The road home, a tale] *Doroha domomu, povist'*. Kyiv, Molod', 1966. 249 p.
- CHAIKOVSKYI, A. I. A. [Olim'ka, tales and stories] *Olim'ka, povisti ta opovidannia*. L'viv, Kameniar, 1966. 669 p. (CNOTU) (MI) (NN)
- [CHASTUSHKI] *Chine zhovke shi nu stige, stigetur' popularne moldovenehti*. Kishinev, Lumina, 1966. 210 p. [In Moldavian]
- CHAIUSKI, M., comp. [Speaking frankly, a collection of humor and satire] *Raznoma na shchyrastsi, zbornik humoru i satyry*. Minsk, Dziazh. vyd-va BSSR, 1964. 180 p. (CLU)
- CHILNOKOV, A. I. [Echoes of home, verse] *Rodnye otgolosci, stikhi*. Moskva, Sovetskii pisatel', 1965. 77 p. (NIC)
- CHEPIZHNYI, A. K. [Gagal, a novel] *Gagal, roman*. Donetsk, Izd-vo "Donbass", 1965. 202 p. (IEN)
- CHEREPANOV, N. M. [The cross' approach] *Krestovyi podhod*. Chobokary, Chuvashskoe knizhnoe izd-vo, 1966. 61 p.
- CHERIN, HANNA. [Come with me, reports] *Id'mo z' mnou, reportazhi*. Buenos Aires, Vyd-vo IU, Serodanka, 1965. 235 p. (COTU)
- CHERNAYSKYI, M. A. [So the sky would not fall, lyrics] *Chib nebo ne padalo, lirika*. Moskva, Sov. pisatel', 1966. 88 p. (MI)
- CHERNYSHEV, I. P. [Reliability coefficient] *Koeffitsient nadezhnosti*. [Leningrad] Lenizdat, 1966. 182 p.
- [COMING FROM THE HEART] *Resei din inime; kulezhore do skitse shi poezii*. Kishinev, Kartia Moldovenaske, 1966. 81 p. [In Moldavian]
- CREANGA, ION. [Fairy tales, childhood reminiscences, stories. Translated from Rumanian] *Skazki, vospominaniia detstva, rasskazy*. [Kishinev, Lumina, 1966.] 321 p.
- DAMANHURI, HAMID. [Love and duty; a novel. Translated from Arabic] *Liubov' i dolg, roman*. Moskva, Progress, 1966. 110 p.
- DAMUAN, LIVIU. [Roots. Translated from Moldavian] *Korni*. Kishinev, Kartia Moldovenaske, 1966. 111 p.
- DANGULOV, S. A. [Diplomats, a novel (conclusion)] *Diplomaty, roman (okonchanie)*. Moskva, Khudozh. lit-ra, 1967. 102 p. (Roman-gazeta, no 2(374))
- DARIENKO, PETRIIA. [Verse, Stikhi. Kishinev, Kartia Moldovenaske] 1965. 160 p. (Serila Aurora) [In Moldavian] (MI)
- DAVYDYCHEV, L. I. [The old man and his greatest love] *Starik i ego samaiia bol'shaia liubov'*. [Perm'] Permskoe knizhnoe izd-vo, 1965. 31 p. (IU)
- [A DAY OF WORK IS A HAPPY ONE, proverbs and sayings of the peoples of the U.S.S.R. about labor] *Den' rabot veseli, posloviatsy i pogovorki narodov SSSR o trude*. [Izd 2.] Moskva, Detskaya lit-ra, 1966. 30 p. (Shkol'naiia biblioteka)
- DEMCHENKO, V. G. [Romance] *Romantika*. Uzhgorod, Izd-vo Karpaty, 1966. 57 p. (MI)
- DEMIN, M. E. [The village path, stories. Blindness, a tale] *Miiskala tropa, rasskazy, [Sljepota] povest'*. [Moskva, Sovetskii pisatel', 1966] 168 p. (MI)
- DEVKIN, V. N. [Erich Weinert, a critical and biographical sketch] *Erikh Valnert, kritiko-biograficheski ocherk*. Moskva, Khudozh. lit-ra, 1965. 140 p. (MI)
- DMITRIEV, N. K., ed. [Turkish folk tales. Translated from Turkish] *Turkiske narodnye skazki*. 2 izd. Moskva, Nauka, 1967. 478 p. (Skazki i imy narodov Vostoika)
- DOBRIKOV, V. A. [Eleven blockheads; a tale and stories] *Odnadtsat' bestofrovychi, povest' i rasskazy*. Voronezh, TSentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 165 p.
- DOL'D-MYKHAILYK, I. U. P. [I am the only warrior in the field, a novel] *I odin v pole volu, roman*. Kiev, Radians'kyi pyshniennyk, 1965. 748 p. (NDC)
- DOROSHENKO, I. I. [Ivan Franko, literary critic] *Ivan Franko - literaturnyi krytyk*. [L'viv] Vyd-vo L'viv's'koho univ., 1966. 208 p.
- DOSTAL, A. E. [The pines are rustling, a book of lyrics] *Sony shumiut, kniga liriki*. Moskva, Sovetskii pisatel', 1961. 90 p. (OU)
- DOSTOEVSKII, F. M. [Brothers Karamazov; a novel in four parts with an epilogue] *Bratya Karamazovy, roman na chetyry chastyny z epilogom*. Kyiv, "Dnipro", 1965. 713 p. (OCIW)
- DOSTOEVSKII, F. M. [The idiot, a novel in four parts] *Idiot, roman v chetyrekh chastakh*. Frunze, "Kyr-gyzstan", 1964. 689 p. (INS)
- DRUTSE, ION. [Leaves of sadness, a tale] *Frunze de dor, povestire*. Kishinev, Lumina, 1966. 212 p. [In Moldavian]
- DYGASINSKI, ADOLF. [Margiela and Margielka, tales and stories. Translated from the Polish] *Margiela i Margielka; povesti i rasskazy*. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 501 p. (OU)
- EFIMENKO, V. M. [Wind of the gods, a novel] *Veter bogov; roman*. Moskva, Sovetskii pisatel', 1967. 437 p.
- ELIOT, THOMAS STEARNS. [Murder in the cathedral, Supplement: The waste land. Ash Wednesday. Journey of the Magi. Translated from the English] *Vbystvo u sobori. Dodatki: Spustoshena zemlia. Velykopsna sereda. Podorozhi tr'okh mudretsiu, Munich, Na hori*, 1963. 104 p. illus. facsim. (Serila "Sv'tovoi teatr") (IU)
- EMEL'IANOV, A. T. [The song of friendship] *Pesnia druzhby*. [Moskva] Profizdat, 1966. 157 p. (IEN) (MI)

- EMEL'IANOV, N.V., comp. [Collection of Yakut proverbs and sayings] *Slovník jakutskikh poslovits i pogovorok*. L'vivsk, Iakutskoe knizhnoe izd-vo, 1965. 245 p. [In Yakut and Russian]
- ERSTOV, GEORGI. [The boat, third book of verse, 1956-1965] *Lad'ia*, tretiia kniga stikhov 1956-1965. Paris, 1966. 59 p. (MH)
- ERMOLENKO, I.N. [A collection of exercises in the phonetics of the Russian language; a textbook for foreign students of the philological faculty] *Slovník upražňující po fonetice ruského jazyka, poslouží dle studentov inostranstva filologického fakulteta*. Moskva [Univ. družby narodov] 1961. 38 p. (MIEM)
- [FAIRY TALE ABOUT IVAN THE TSAREVICH, THE FIRE BIRD AND THE GRAY WOLF] *Skazka ob Ivane-tsareviche, Zhar-ptitse i o sedom volke* [Moskva] Gznakn, M-v finansov SSSR [1965] 11 p
- FEDOROV, G.A. [When the dawn breaks... a novel] *Kogda nastupaet rassvet*..., roman. Syktyvkar, Komi knizhnoe izd-vo, 1966. 469 p.
- FISH, R.G. [I am trawling] *Idu s tialom*. Moskva, Sovetskii pisatel', 1966. 230 p. (MIH)
- [FOLK SONGS IN THE NOTES OF IVAN FRANKO] *Narodni pisni v zapysakh Ivana Franka*. L'viv, Kamenai, 1966. 425 p
- [FOR THE SAKE OF LIFE ON EARTH] *Radi zhizni na zemle*. [Magadan] Magadanskoe knizhnoe izd-vo, 1963. 180 p. (NIC)
- FRANKO, IVAN. [Before you leap; a tale] *Ne spytavshy brodu, povest'*. Kyiv, Naukova dumka, 1966. 241 p
- FRENKEL', I.L. [I shall find you, verse and songs] *IA naidu tebia, stikhi i pesni*. Moskva, Khudozhi. lit-ra, 1966. 227 p. (MIH)
- [FROM THE UNDERGROUND TO THE STARS; stories about Communists] *Ot podpol'ia do zvezd, rasskazy o kommunistakh*. Moskva, Gos. izd-vo detskoi lit-ry, 1963. 493 p. (TxU)
- FURSOV, A. F. [Prisoners of three lakes; a novel] *Plenniki trekh ozer*, roman. [Moskva, Molodai gvardia, 1966] 527 p. (MH)
- GADZHIEV, BULACHI. [In the footsteps of M. Iu. Lermontov in Dagestan] *Po sledam M. Iu. Lermontova v Dagestane*. Makhachkala, Daguchpdgiz, 1965. 109 p. (MIH)
- GAJ, M.I. [The glass envelope, stories] *Stekliannyi konvert, rasskazy*. Moskva, Detskai lit-ra, 1967. 93 p.
- GANINA, M.A. [Stories] *Rasskazy*. Moskva, Sov. Rossiia, 1966. 126 p. (Korotkie povesti i rasskazy) (MIH)
- GEORGE, GEORGIU. [Facing the people; a tale] *Peaste spre lume, povestir*. Kishineu, Kartia Moldovenaske, 1966. 127 p. [In Moldavian]
- GEORGIEVSKAYA, S.M. [The tailor of special clothing; stories] *Portnoi osobogo plat'ia; rasskazy* [Moskva] Molodai gvardia, 1966. 253 p. (NIC)
- GERASIMOVA, V.A. [The only night; stories] *Edinsvennaya noch', rasskazy*. Moskva, Pravda, 1966. 46 p. (Biblioteka "Ogonet", no. 21) (MIH)
- GERSHKOVICH, I.U.L. [Summer only begins...; a tale] *Leto tol'ko nachinaetsia...; povest'*. Vladivostok, Dal'nnevostochnoe knizhnoe izd-vo, 1965. 147 p. (IFNM) (MIH)
- GIL'DINA, E.M. [Romain Rolland and world culture] *Romen Rollan i mirovaia kul'tura*. Riga, Zvaigzne, 1966. 208 p.
- GITOVIKH, A.I. [Verse; winter messages to friends] *Stikhi; zimnie poslania dnu'iam*. Moskva, Sovetskii pisatel', 1965. 162 p. (PPU)
- GLAZKOV, N.I. [Roads and stars, verse] *Dorogi i zvezdy; stikhi*. Moskva, Sovetskai Rossiia, 1966. 118 p. (MH)
- GORDON, S.V. [Spring; a novel, tales, and stories] *Translated from Yiddish* *Vesna; roman, povesti i rasskazy*. Moskva, Sovetskii pisatel', 1966. 437 p
- GORIANOV, L.B. [Assembled fleet attacks, a tale about the men of the Black Sea Fleet] *Atakuet sbornai flota; povest' o chetnomoi tsakh*. Moskva, Fizkul'tura i sport, 1966. 150 p
- GORODESKI, N.A. [Thunderstorms over the canopies] *Grozy nad romashkami* [Arioslavl'] *Veikho-Volzhskoe izd-vo*, 1966. 119 p.
- GOZENPUD, A.N. [The Central Children's Theater, 1903-1964. Author's abstract of a dissertation for the degree of Candidate of the History of Arts] *Tsentral'nyi detskii teatr (1903-1964 gg.)*. Avtoreferat dissertatsii na soisranie uchenoi stepeni kandidata iskusstvovedeniia. Moskva, 1965. 17 p. [MICROFILM]
- [A GREAT PATH, a repository collection] *Veliki put', repertuarnyi sbornik*. Moskva, Iskusstvo, 1966. 244 p. (Repertuar khudozhestvennoi samodeiatel'nosti, no 23)
- GRIGULS, ARVIDS. [When rain and wind knock at the window; a documentary novel] *Translated from Latvian* *Kogda dozhd' i veter stuchat v okno*, dokumental'nyi roman. Riga, Liesma, 1966. 668 p
- GRUZDEV, A.I. [N.A. Nekrasov's poem "For whom life is good in Russia"] *Poema N.A. Nekrasova "Komu na Rusi zhit' khorosho"*. Moskva, Khudozhi lit-ra, 1966. 116 p
- GUGUSHVILI, M.I. [Polemics around Rustaveli, 15th-18th centuries] *Polemika vokrug Rustaveli (XV-XVIII vv.)*. Tbilisi, Metsniereba, 1966. 191 p. [In Georgian]
- GUSEV, A.A., and I. M. ZHIGALOV. [Fresh winds, a novel] *Svezhie vetry*, roman. Moskva, Voenizdat, 1967. 451 p.
- HALAN, I.A. [Under the golden eagle] *Pid zolotym orlom*. Kyiv, Dnipro, 1966. 150 p.
- HAREACHA, S.A. [The campfire is flaming, lyrics] *Vatni palat, lirika*. Kyiv, Rad. pys'mennik, 1963. 85 p. illus. (IU)
- HONCHAR, O.T. [Man and arms, Standard bearers] *Chelovek i oruzhie, Znaimenostay*, Moskva, Izvestia, 1966. 705 p. (Biblioteka Plat'desiat let sovetskogo romana) (MIH)
- HORDIENKO, D.P. [Tynda; a novel, stories] *Tynda*, roman, opovdanniia. Kyiv, Dnipro, 1966. 342 p.
- HUSHCHAK, I.V. [Under the sky's wing, poetry] *Pid krylom neba, poezii*. L'viv, Kamonar, 1966. 78 p
- INDRANE, ILZE. [Hat with chestnuts; a novel] *Cepure ar ksalaniem, romans*. Riga, Liesma, 1966. 404 p. [In Latvian]
- IOSELIANI, O.SH. [Along the road from the mill; stories] *Translated from Georgian* *Po doroge s mel'nitsy; rasskazy*. Tbilisi, Literatura da Khelovneba [1966] 245 p.
- ISAENKO, VITALII, and others. [Sincerity] *Iskrennost'*. Murmansk, Murmanskoe knizhnoe izd-vo, 1965. 142 p. (IEN) (MH)
- ISBAKH, A.A. [Workmen, a novel-chronicle] *Masterovye, roman-letopis'*. [Moskva] Moskovskii rabochii, 1966. 342 p. (MIH)
- ISKANDER, F.A. [Forbidden fruit; stories] *Zapretnyi plod, rasskazy*. [Moskva, Molodai gvardia, 1966] 255 p. illus. (Molodye pisateli) (MH)
- ISTRU, BOGDAN. [Verse] *Versuri*. Kishineu, Kartia Moldovenaske, 1966. 193 p. (Kolektsiia "Aurora") [In Moldavian]
- IVANENKO, O.D. [One's own children, a tale] *Ridni diti, povist'*. Kyiv, Veselka, 1965. 209 p. (CaOTU)
- IVANOFF, IRAIDA. [Solitude] *Odnochestvo*. [Washington] Russkai kniga, 1965. 45 p. [Publ. under her pseud. Iina Odoevseva] (GEU)
- IVANOV, A.M. [Where Russia begins, verse] *Otkuda nachinaetsia Rossiia, stikhi*. [Arioslavl'], Veikho-Volzhskoe knizhnoe izd-vo, 1966. 91 p. (MIH)
- IZ'YUROV, I.V. [Bun mort's in light; a modern fairy tale for children. Translated from Komi] *Kolechko Bun mort'a, sovremennai skazka dlia detei*. Syktyvkar, Komi knizhnoe izd-vo, 1966. 14 p
- IZMAILOV, V.A. [I am at home here] *IA zdes' svoi*. [Kemerovo, Kemerovskoe knizhnoe izd-vo, 1965] 103 p. (Kuzbass literaturnyi) (MIH)
- KAARI, K., and H. PEEP. [On the literature of Soviet Estonia. Translated from the Estonian] *O literature Sovetskoi Estonii*. Tallinn, Eesti Raamat, 1965. 47 p. (MIH)
- KAIMOV, KASYM. [Delusion; a tale and stories] *Adashuu, povest' zhana angeliel*, Frunze, Kyrgyznambay, 1957. 150 p. [In Kirghiz] (IU)
- KALMYKOV, I.U.KH. [Compensation for damage done to property] *Vozmeshchenie vieda, pichennogo imushchestva*. [Saratov] Izd-vo Saratovskogo univ., 1965. 70 p. (CSI-H)
- KAMENKOVICH, I.I. [Song in the night, a tale and stories] *Pesnia v noch', povest' i rasskazy*. Baku, Azorbaizhanskoe gos. izd-vo, 1966. 95 p. (MH)
- KANNA, ION. [When the saints' tongues itch to speak] *Kynd sfintsi se skape ku vorba*. Kishineu, Kartia Moldovenaske, 1966. 65 p. [In Moldavian]
- KAPITSA, P.I. [Years of parting, a novel] *Gody razluk; roman*. [Leningrad] Lenizdat, 1966. 462 p. (IEN) (IU) (MIH)
- KAVERIN, V.A. [Two captains; a novel] *Dva kapitana; roman* [Moskva] Molodai gvardia, 1966. 763 p. (Tobe v dorogu, romantik)
- KERARE, PETRU. [Parodies. Parodii, Kishineu, Kartia Moldovenaske, 1965] 122 p. [In Moldavian] (MH)
- KERIMOV, IBRAGIM. [Village girls] *Iurtu k'yazar*. [Makhachkala] Dagestanskoe knizhnoe izd-vo, 1966. 101 p. [In Kumyk] (IU)
- KESHOKOV, A.P. [Guests in my house, verse. Translated from the Kabardian] *U menia v gostakh, stikhi*. Moskva, Sovetskai Rossiia, 1966. 213 p. (MH)
- KHABULLAEV, S.M. [Folk sources of Avar poetry] *Narodnye istoki avarskoi poezii*. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1966. 59 p
- KHARLAMP'EV, G.D. [A good morning; a tale] *Ilorito ir, povest'*. [Shupashkar, Chavash ASSR keneke izdatel'stvi. In Chuvash] Book 2. 1966. 177 p.
- KHAVRONINA, S. [Speak Russian] *Govorite po russki*. 2. izd. ispr. Moskva, Progress [1966] 267 p. (CaOTU)
- KHIKMAT, KUDRAT. [The wind, the bogatyr; poems and verse. Translated from Uzbek] *Veter-bogatyr'; poemiy i stikhi*. Tashkent, Esh gvardia, 1966. 124 p.
- KHLEBNIKOV, G.IA. [The Chuvash novel] *Chuvashskii roman*. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1966. 211 p.
- KHOROSNYTS'KA, M.V. [Symphony of love] *Symfonia iubovi*. L'viv, Kamonar, 1966. 61 p.
- KHRENKOV, D.T. [My friends, verse] *Druz'ia mot - stikhi*. [Leningrad] Lenizdat, 1966. 165 p.

- KHUDASH, L.S. [Studying the works of Maiko Vorchok in school] Vyvchennia tvorchosti Maika Vorchka v shkoli. Kyiv, Radians'ka shkola, 1964. 142 p. (CaOYu)
- K.IUSAINOV, SHARIF. [Dreams of love. Giezy hlibvi. Kazan', Tatnalgolzdai] 1965. 233 p. [In Tatar] (MH)
- KHUZIN, MAGSUM. [Stories] Khikhelei Kazan, Tatarstan kitap neshi italy, 1966. 46 p. [In Tatar]
- KIURCHAILY, ALIAGA. [I set out on a journey. IIA otpravliavus' v put'. Baku, Azerevishi], 1965. 211 p. [In Azerbaidjani] (MH)
- KLIMENKO, V.T. [... Next Wednesday; a tale]... V sredi na budushchei nedele, povest'. Simferopol', "Kym", 1966. 134 p.
- KLIPEL', V.I. [The wll's, adventures of the seekers of ginseng] Debi i, prkluchenia iskatel' zhen'shenia. [Khabs'ovsk] Khabarovskoe knizhnoe izd-vo, 1965. 127 p. (IEN) (NC)
- KLYMENKO, M.D. [The start of the harvesting, poems] Zakhmyv'ia, poezi. Kyiv, Radians'kyl pys'mennyk, 1966. 118 p. (MH)
- KMLAZIAN, AIRAPET. [The liberation struggle under the leadership of David-Bek. Osvoboditel'nala bor't'a pod predvoditel'stvom Davyd-Beka. Erevan, Amlan-sko gos. izd-vo] 1963. 161 p. [In Armenian] (MH)
- KOBIAKOV, D.IU. [Immortal gift, the story of words] Bessmertnyi dar, povest' o slovakh. [Bairnau] Altalskoe knizhnoe izd-vo, 1965. 107 p. (IEN)
- KOBRIN, IURIL. [Line for the sky] Ocheredi za nebom, Vilnius, Vaga, 1966. 78 p.
- KOCHEVSKYI, V.V. [Sunny oais, poetry] Soniatnyi vosa, poezi. Kharkiv, Prapoi, 1965. 70 p. (MH)
- KOGAN, P.D. [Verse. Reminiscences on the poet. Letters] Stikhi. Vospominania o poete. Pis'ma. Moskva, Molodala gvardia, 1966. 142 p.
- KOLESIK, P.I. [Ivan Franko, a biographical sketch] Ivan Franko, biograficheski ocherk. Kiev, Dnipro, 1966. 93 p.
- KOLESIKOV, G.M. [Fishing season] Pulina. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1966. 41 p. (Pervala knizhka poela) (MH)
- KOLESIKOVA, V.D. [Syntax of the Evenki language] Sintaksis evenkiskogo iazyka. Moskva, Nauka, 1966. 240 p.
- KOLOMIETS', O.F. [The Pharaohs] Faraony Kyiv, Dnipro, 1966. 78 p. (Biblioteka dramaturga ta kino-dramaturga)
- KOL'TSOV, A.V. [Verse] Stikholovrenia. Moskva, Khudozh. lit-ra, 1965. 118 p. (Narodnaia biblioteka) (MHV)
- KONFERENTSIJA PO KINODRAMATURGI, 1965. [Materials of the Conference on Motion-Picture Playwriting] Materialy. [Moskva] Soiz rabotnikov kinematografii SSSR, 1965. 142 p.
- KONSTANTINOVSKI, D.L. [Give me a ticket as a fare-vell present] Podari mne na pishchan'e bilet. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 204 p. (IEN)
- KORNICHUK, OLEKSANDR. [Plays] P'esy. [Kyiv, Dnipro, 1965] 548 p. (CaOYu)
- KOROSTYLEV, V.N. [The Warsaw alarm signal; a tragedy presentation in two parts] Varshavskii nalat; tragediinoe predstavlenie v dvukh chastiakh. Oty red. M. Mirlingof. Moskva, Otdel rasprostraneniia dramati-cheskikh proizvedenii VUOAP, 1966. 67 l.
- KOROTAEV, V.V. [The world which I love] Mir, koto-ryi lublu [Aiklingel'sk] Severo-Zapadnoe knizh-noe izd-vo, 1965. 78 p. (MH)
- KOSTENKO, M.O. [Tasks of teaching Ukrainian literature in the light of the decisions of the 22d Congress of the CPSU] Zavydanniia vykladanniia ukrains'koi literatury v svitli ishen' XXII z' izdu KPRS. Kyiv, Radians'ka shkola, 1963. 69 p. (NN)
- KOSTENKO, N. [Verse] Versur'. [Kishinev] Lumina, 1966. 81 p. (Biblioteka shkolarmu) [In Moldavian]
- KOVALIV, P.K. [The lexical fund of the literary lan-guage of the Kievan period, 10th-11th centuries] Leksychnyi fond literaturnoi mowy Kyivs'kogo periodu X-XIV st. New York, Naukovo Iovaiystvo Im. T.Shev-chenska. Vol. 1. [Basic vocabulary] Osnovnyi fond. 1962. 1v. Vol. 2 [Loan words] Zapozichenia. 1964. 1v. (OCU)
- KOZHEVNIKOV, G.A. [The party as the organizer of workers' and rural correspondents movement in the U.S.S.R., 1917-1937] Partia - organizator iabel'-korovskogo dylzhentia v SSSR, 1917-1937. [Saratov] Izd-vo Saratovskogo univ., 1965. 120 p. (CSI-II)
- KOZLOVA, E.N. [Hope, stories, reminiscences] Na-dezhda, rasskazy, vospominania. "Arslavi", Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 118 p. (Biblioteka pisatel'ei Verkhnei Volgi)
- KRAPCHAN, BORIS. [The smile of life, verse] Ulybka zhizni, stikhi Kishinev, Karita Moldoveniaske, 1966. 81 p. (MH)
- KRAPIVA, KANDRAT. [Forty fables] Sorak bak. [Minsk, Belarus', 1966] 140 p.
- KRASAVITSKAIA, M. [We are grown-ups] My - vzroslye. Riga, Liesma, 1966. 105 p.
- KRAVCHENKO, IE.S. [From the book of life, stories] Z knygi zhyt'tia, opovidanniia Kyiv, Veselka, 1966. 156 p.
- KRIVENKO, E.I. [Golden stone. Our darling; tales] Zolotoi kamen'. Nasha hubushka; povest. Kiev, Molod', 1966. 226 p. (NIC)
- KROSS, JAAN. [Singers on the foredeck] Laujad laeva-voordel Tallinn, Eesti Raamat, 1966. 115 p. [In Estonian]
- KROTKII, EMIL'. [Passages from the unwritten] Otryvi iz nenapisannogo. Leningrad, Khudozhnik RSTSR, 1966. 140 p. (MH)
- KUDINOV, I.P. [City life. Thunder is possible. The weather will change tomorrow; tales] Gorodskala zhizn'. Vozmozhna grom. Pogoda zavtra izmenitsia, povest. Barnaul, Altalskoe knizhnoe izd-vo, 1966. 235 p.
- KULESHOV, A.P. [Lucky people from Matchance Street] Schastlyevykhil s ulitsy Mal'shans, roman. [Moskva] Molodala gvardia, 1966. 285 p. (Rovesnik) (MH)
- KUTUEV, R.A. [To follow the clouds] Idi za oblakami. [Kazan', Tatarskoe knizhnoe izd-vo, 1966] 213 p.
- LACE, VILIS. [Lost homeland] Pazidusi dzimtene. Riga, Liesma, 1966. 280 p. [In Latvian]
- LAKERBAI, MIKHAIL. [Song of the alanis, stories] Pesnia alania; rasskazy, Tbilisi, Literatura da Khe-lovnebi] 1965. 242 p. [In Georgian] (MH)
- LANKUTIS, JONAS. [The man of E. Mitzolalis. Translated from the Lithuanian] Chelovek E. Miezheletisa. Moskva, Khudozh. lit-ra, 1965. 97 p. (Massovai istoriko-literaturnaia biblioteka) (MH)
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA, Valodas un literaturas institu-ta. [Frequency dictionary of the Latvian language] Latviešu valodas biezuama vardnica. [By] T. Jakubale un citi. Riga, Zinatne [In Latvian] Vol. 1. [Technology and industry] Tehnika un rupnieciba. Pt. 1. 1966. 620 p.
- LAZUTIN, I.G. [Court is in session, a drama in three acts] Sud idet, drama v li ekh aktakh Oty red. R. Afanas'ev Moskva, Otdel rasprostraneniia drama-ticheskikh proizvedenii VUOAP, 1966. 77 l.
- L'DOV, ALEKSEI. [Vovka's serial] Vovkin sekiet. [Arslavi'] Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 49 p.
- LEHIT', ANDRII. [Behind the bars, first collection of poems, 1945-1946] Za dufamy, perisha zbika poezi, 1945-1948. Neu Uim, 1958. 96 p. (InU)
- LEONT'EV, A.N. [A triple jump, a tale] Triubol pry-zhok, povest'. [Moskva] Molodala gvardia, 1966. 126 p. (Chesi', otvaga, muzhestvo)
- LEONT'EV, N. [Mikhailo Lomonosov; a dramatic poem] Mikhailo Lomonosov; dramati-cheskala poema. Z. L.I. Moskva, Sovetskii pisatel', 1961. 136 p. (NN)
- LERMONTOV, M.IU. [A hero of our times] Geroi nashogo vremen. Moskva, Gos. izd-vo knudo, h. lit-y, 1963. 175 p. (Narodnaia biblioteka) (Curis)
- LESKOV, N.S. [Tales and stories] Povesti i rasskazy [Leningrad] Lenzdat, 1966. 598 p.
- LEVIDOVA, V.I. [Conversation with the beloved, tales and stories] Razgovor s lubimym, povesti, rasskazy. [Leningrad] Lenzdat, 1966. 25 p. (NIC)
- LEVITSKII, V. [At the sources of the Sirel, verse] Ia lyvovale Sirelul, versur'. Kishinev, Lumina, 1966. 62 p. [In Moldavian]
- LIAMIN, M.A. [In the name of happiness, a tale. Trans-lated from Udmurt] Vo imia schast'ia, povest'. Izhevsk, "Udmurtiia," 1966. 250 p.
- LIPKAN, A.M. [The awakening, a novel] Desheplaria, roman. Kishinev, Karita Moldoveniaske, 1966. 350 p. [In Moldavian]
- LIPKAN, A.M. [The awakening, a novel. Translated from Moldavian] Probuzhdenie, roman. Moskva, Khudozh. lit-ra, 1966. 333 p.
- LISANSKII, M.S. [Marvelous city, a book of new verse] Divnyi gorod, kniga novykh stikholovrenii. Moskva, Sovetskii pisatel', 1965. 142 p. (IEN)
- LISIN, M.D. [Where have you been flying, seagull? Stories] Gde ty letala, chaka? Rasskazy. Moskva, Sovetskii pisatel', 1966. 322 p. (IEN)
- LISOVSKI, K.L. [The price of a line, new verse] Tsena stikh, novye stikhi. Novosibirsk, Zapadna-Sibirskoe knizhnoe izd-vo, 1966. 100 p.
- LITERATURNO-MEMORIAL'NYI MUZEI IVANA FRANKA U L'VOVI. Literaturno-memorial'nyi muzei Ivana Franka u L'vovi Ivan Franko Literature Memorial Museum in Lviv L'viv, Kamenar, 1966. 1 v. illus. [In Ukrainian, Russian, and English]
- LITVINOV, V.V. [Compositions in the upper grades of the secondary school] Sochinenia v stasikh klas-sakh srednei shkoly. Moskva, Prosveshchenie, 1965. 190 p. (NIC)
- LIVS, EGONS. [Velhakaule's twins; a novel] Velhakaula dvini; romans Riga, Liesma, 1966. 190 p. [In Latvian]
- LIZEN, O.M. [The monument; stories] Monument; opo-vidanniia. L'viv, Kamenar, 1966. 148 p.
- LOMATS'KYI, MYKHAILO. [Enchanted world] Zavo-rozhenyi svit. New York, Vol. 1. [On the side of Chernoboria] Po tsol bik Chernobory. 1965. 1 v. (InU)
- LOMUNOV, K.N. [Face to face with Tolstoi; L.N. Tolstoi and our time] Litsom k litsu s Tolstym, L.N. Tolstoi i nasha sovremennost', Tula, Priokskoe knizhnoe izd-vo, 1966. 39 p.

- LOTIANU, E.V. [Baculica] Băculică Kishineu, Karta Moldovenască, 1966, 100 p. [In Moldavian]
- LUCHANINOV, D.V. [Upsurge, tales and stories] Pol'm po ust, rasstaz. Moskva, Sovetskii pisatel', 1966, 312 p. (MH)
- LURKITSKII, I.A. [Preventing student's mistakes in English pronunciation, a manual for the teacher] Preduprezhdenie oshibok uchashchikhhsia v angliiskom proiznoshenii, posobie dlia uchitelia. Izd. 2, peretr. Moskva, Prosveshcheniye, 1966, 111 p.
- LUNGU, RAISA [The silver glade] Poiana de argint Kishineu, Karta Moldovenască, 1966, 209 p. [In Moldavian]
- LUPAN, ANA. [The third crow of the cock] La kintatul kukoshilor. Kishineu, Lumina, 1966, 429 p. [In Moldavian]
- LUTSEVICH, I.D. [Burial mound. Bondarenko's daughter. Leon's grave] Kurgan. Bondarenko. Megila i v. [Minsk, Belarus', 1963] 77 p. [Publ. under his pen. name, Ianka Kupala]
- MADAN, GFORGE. [Good signs of the year, a novel. Dobrye pismennye goda, roman. Kishineu, Karta Moldovenască] 1965, 243 p. [In Moldavian] (MH)
- MAKHINACH, ALES'. [Little starring, plays and scenes for school amateur theatricals] Shpachot, p'esy i stsenki dlia shkol'noi mashtabnoi smadzenashti. Minsk, Dzisrzhizhd-va BSSR, 1963, 110 p. (NN)
- MAKSHOV, V.E. [Steps toward the horizon, stories] Shagi k gorizontu, rasskazy. Moskva, Pravda, 1966, 62 p. [Biblioteka Ogonek, no. 11] (MH)
- MALANIUK, IEVHEN [Book of observations, prose] knyha sposterazhen', proza. Toronto, Homn Ukrainy, 1962-1966, 2 v. (Homn Ukrainy Biblioteka, nos 20, 29) (NN)
- MALEV, VERA. [Hot days, tales] Zile de arshise, povestire. Kishineu, Lumina, 1966, 106 p. [In Moldavian]
- MALEV, VERA. [The secret of the old farm, tales] Taina vekulul konak, povestire. Kishineu, Karta Moldovenască, 1966, 172 p. [Biblioteka shkolnaru] [In Moldavian]
- MALIAKOV, L.I. [Bewitched happiness, verse and a poem] Zakoldovannoe schast'e, stikhi i poema. [Leningrad] Lenizdat, 1963, 102 p.
- MANEVICH, I.M. [Motion pictures and literature] Kino i literatura. Moskva, Iskustvo, 1966, 239 p.
- MANTOROV, G.V. [Efim Permutin; a sketch of his life and works] Efim Permutin; ocherk zhizni i tvorchesva. [Moskva] Mosk rabochi, 1966, 166 p.
- MARR, N.A. [Problems of the Vepkhistskaosani and Vismramiani] Voprosy Vepkhistskaosani i Vismramiani. Polgotovka sbornika k pechatu, issledovanie, kommentarii i primechania I.V. Megrelidze. Tbilisi, Metsnitskha, 1966, 292 p. [In Russian and Georgian]
- MARTYNOV, L.N. [Verse and poems in two volumes] Stikhotvoreniia i poemy v dvukh tomakh. Moskva, Khudozhestvennaia literatura, 1965, 2 v. (CU) (CAOTU) (U) (RPS)
- MASAL'S'KII, V.I. [The language and style of the works of M. Kotsiubyns'kii] Mova i stil' tvoriv M. Kotsiubyns'koho. Kyiv, Radians'ka shkola, 1965, 123 p. (CAOTU)
- MATROSOV, AFANASII [How the ax started an argument] Kak topor zaiatsel spor [Perm'] Permskoe knizhnoe izd-vo, 1966, 17 p.
- MATROSOV, VLADIMIR. [Man remains a man; a documentary tale] Chelovek ostaetsia chelovekom; dokumental'naya povest'. Riga, Liesma, 1966, 202 p.
- MELAMED, TS. [Smiles post resliante] Ulybki do vostiobovaniia. Riga, Liesma, 1966, 171 p. (NC)
- MELENT'EV, V.G. [What is special about this, a tale] Chto zdes' osobennogo, povest'. Iaroslav', Verkhne-Volzhske knizhnoe izd-vo, 1965, 252 p. (IFN) (U)
- MEL'NIK, V.K. [Those judged by their own conscience, a tale and stories] Sudimye sovest'iu, povest', rasskazy. Kiev, Radians'kii pis'mennyk, 1966, 375 p. (MH) (NC)
- MEL'NYCHUK, IU.S. [A torn heart] Vyvane serdse. Kyiv, Molod', 1966, 156 p.
- MENUK, GEORGE [Sun clocks] Kadran solai, zhurnal Kishineu, Lumina, 1966, 102 p. [In Moldavian]
- MERZLIKIN, L.S. [Russia, verse] Rossiia, stikhi. [Batumi, Abkhazskoe knizhnoe izd-vo, 1965] 79 p. (U)
- MERZON, S.N., T.N. PALEM, and Z.V. SMIRNOVA. [Collection of exercises on the development of the spoken language, based on the study of grammatical subjects (the adjective). A textbook for foreign students] Sbornik uprazhnenii po razvitiu ustnoi rechi, na osnove izucheniia grammaticheskikh tem (imia prilagatel'noe) Posobie dlia uchashchikhhsia-inostranstsev. Pod red. S.N. Merzon. Moskva, MEI, 1966, 122 p.
- MIKELINSKAS, JONAS. [And the clock runs, a novel] O laikodis eina, romanas. Vilnius, Vaga, 1966, 221 p. [In Lithuanian]
- MIKHAILIK, IU.N. [North, south, voice] Sever - Iug, stikhi. Odessa, Malak, 1966, 54 p.
- MIKHAILOV, V.V., and I. ATMAKIN, comps. [Clear view, collection of the works of writers of Karachay-Cherkess Autonomous Province] Idenye dail, sbornik proizvedenii pisatelei Karachaevsko-Cherkessk. Cherkessk, Karachaevsko-Cherkesskoe knizhnoe izd-vo, 1959, 259 p. (U)
- MIKHAILOV, V.V. [My dear birch tree] Svet - bereza. Voronezh, Tsentral'no-chernozemnoe knizhnoe izd-vo, 1965, 39 p. (MC)
- [MILITARY JOURNALISM AND FRONTLINE SKETCHES] Voennaya publistika i frontovye ocherki Moskva, Khudozh. lit-ia, 1966, 606 p. [Velikaia Otechestvennaia]
- MIRMUHSEIN. [Lightning in the night. The tempering, tales. Translated from Uzbek] Molnii v nochi. Zakalka, povesti, Tashkent, Esh gardiia, 1966, 198 p.
- MIRVALIEV, S. [From heart to heart, Uzbek literature abroad] Kalblardan kalblarga, Uzbek adablati chet ellarda. Toshkent, Uzbekiston KP Markazii Komitetining birlashgan nashrii, 1966, 40 p. [Uzbekiston SSR "Bilim" zhurnali, no. 15] [In Uzbek]
- MISHUTIN, N.S. [Pashka's ship, stories] Pashkin korabl', rasskazy. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1965, 41 p.
- MNATSAKANIAN, A.N. [This happened on the Sevan] Eto bylo na Sevane, [povest']. Erevan, Arastan, 1965, 117 p. (MH)
- [MODERN SOVIET LITERATURE] Sovremennaya sovetskaya literatura. Moskva, Znaniye, 1966, 156 p. [Narodnyi universitet. Fakul'tet literatury i iskustva, nos 11/12]
- MOROZOV, V.F. [Revelation, verse and poems] Otkrovenie, stikhi i poemy. [Petrozavodsk, Karelskoe knizhnoe izd-vo, 1965] 287 p.
- MOSKAL'CHUK, PETRO. [Rozhiliia, poems] Rozhiliia; poezi. Kyiv, Radians'kii pis'mennyk, 1966, 53 p.
- MOSKOVSKIĖ GOSUDARSTVENNYĖ UNIVERSITET. Institut vostochnykh iazykov. [Languages of Africa; problems of structure, history, and typology] Iazyki Afriki, voprosy struktury, istorii i tipologii. Moskva, Nauka, 1966, 296 p.
- MRELASHVILI, LADO. [Kabakhi; a novel, Translated from Georgian] Kabakhi, roman. Moskva, Sovetskii pisatel', 1965, 568 p.
- MISTISLAVSKII, S.D. [On the eve of 1917, a novel] Rukunime 1917 god, roman. Moskva, Sov. Rossiia, 1966, 252 p.
- MURATOVI, I.L. [Metamorphoses, verse and poems] Metamorfozy, stikhi, poemy. Moskva, Sovetskii pisatel', 1965, 110 p. (U)
- MUSHYNSKI, MIKHAI'. [From preliminary scheme to its realization, history of the creation of the "New land" and "Simon, the mustel'ian"] Ad zadumy do zrealizatsii; tvorchaia istoriia "Novoi zemi" i "Simona-mur'ki." Minsk, Navuka i tekhnika, 1963, 141 p. facsim. (N)
- MYHAL', T.S. [The tavern "Heating on a rhin", a novel] Shynok "Osledodits' na kintshat", roman. L'viv, Kameniat, 1966, 256 p.
- MYKOLIUK, V.K. [A curtain of mountains] Zavisa Lor. Odessa, Malak, 1965, 285 p.
- NAGAIEV, G.D. [Inspiration before the execution; a novel] Vдохновение перед казн'iu, roman. Moskva, Voenizdat, 1967, 236 p.
- NERIS, SALOMEJA. [Poetry] Poezija. Vilnius, Vaga, 1966, 2 v. [In Lithuanian]
- NEVEROV, I.M. [Year of the quiet sun (Speak of love!); a tale] God spokoinnogo solntsa (Govori o liubvi!), povest'. Odessa, Malak, 1966, 223 p.
- NOVOKOV, I.A. [Collected works in four volumes] Sbornik sochinenii v chetyrekh tomakh. Moskva, Khudozh. lit-ia. Vol. 1. [Pushkin in exile, a novel] Pushkin v izgnanii, roman. Part 1. 1966, 480 p.
- NURTAZIN, AKHMEDEZHAN. [The colonel's daughter, verse and a poem] Polkovnik kyzy; poema i pesenka. Almaty, Zhazushty, 1966, 90 p. [In Kazakh]
- OL'KHIN, B. [Beyond the green distance] Za zelenoi dal'iu. [Iaroslav', Verkhne-Volzhske knizhnoe izd-vo, 1966] 133 p.
- ORLOV, G.F. [Morning on the meadow; verse] Ushakhtir, savasem. Shupashkar, Chuvash ASSR keleske izdatel'stvi, 1966, 46 p. [In Chuvash]
- ORLOVSKAIA, N.K. [Georgia in the literature of Western Europe in 17th-18th centuries] Gruziia v literaturakh Zapadnoi Evropy XVII-XVIII vekov. Tbilisi, 1965, 314 p.
- OSIN, D.D. [Far in all directions; stories] Daleko vo vse stoimy, rasskazy. Moskva, Pravda, 1966, 63 p. [Biblioteka Ogonek, no. 23] (MH)
- OSTROVSKII, N.A. [How the steel was tempered] Kak zakalilas' stal'. Iaroslav', Verkhne-Volzhske knizhnoe izd-vo, 1966, 349 p.
- OTACHKIN, A.S. [The Chuvash language, a textbook for the 3d grade of primary school] Chuvash chetkhit; poslanmash shkulan III-mesh klasenche vovumash keleske. Shupashkar, Chuvash ASSR gos. izd-vo, 1956, 65 p. [In Chuvash] (NU)
- PALUCHUK, B.D. [Rivers are looking at the sky, lyrical. Reki smotriat v nebo, lirika. Kiev, Radians'kii pis'mennyk, 1966, 103 p. (EN)
- PANTELEEV, A.I. [Living monuments, stories, travel notes, diaries, memoirs] Zhivye pamiatniki, rasskazy, putevye zametki, dnevniki, voopomnaniia. Moskva, Sovetskii pisatel', 1966, 493 p.
- PAPAIAN, ARAMASHOT. [Lies in a trap, comedy] Irgizh v kapkane; komedia. Moskva, Iskustvo, 1963, 10 p. [Repertuar khudozhestvennoi samodeiatel'nosti, no. 23] (MH)
- PARKHOMOV, MIKHAIL. [The password is "Snow", a true tale] Parol' "Snig", novykhadana povest'. Kyiv, Veselka, 1964, 136 p. (Tul hero) (NN)
- PASHAEVA, MARZIA. [Description of the archive of Dzhafar Dzhabbarly. Opisaniye arkhiva Dzhafara Dzhabbarly. Baku, Izd-vo Akad. nauk Azerbaidzhan'skoi SSR] 1965, 252 p. [In Azerbaidzhan] (MH)

- PASTERNAK, B. L. [Verse] Stikhi. Moskva, Khudozh. lit-ry, 1966. 366 p. (Biblioteka sovetskoi poezii) (WU)
- PASTUSHENKO, A. E. [The wormwood stalk] Polnoye sreblo. L'viv, Kamenar, 1966. 194 p.
- PHELINTSEV, A. V. [Dwellers by the Dniester, stories] Dnepriane, rasskazy. Kiev, Radnans'kyi pys'mennyk, 1966. 172 p. (MII)
- PETROV, I. V. [Relay race, lyrics] Estafeta, lirika. Kiev, Radnans'kyi pys'mennyk, 1966. 62 p. (MII)
- PETUKHOV, A. V. [The woodsman, a tale] Leskaj; povest' [Volgoda] Severo-Zapadnoe knizhnoe izd-vo, 1966. 139 p.
- PLAUDIS, JANIS. [Works in four volumes] Raksti celos sejomos. Riga, Liesma [in Latvian] Vol. 1, 1960. 506 p.
- PLAMOVATAIA, S. S. [Nouns of measure and value in modern Russian, a textbook] Razmeino-izmenochnye imena sushestvitel'nye v sovremennom russkomazyke, uchebnoe posobie. Moskva, M-vo vysshego i srednego spetsial'nogo obrazovaniia RSFSR, 1961. 119 p. (NIC)
- PODELKOV, S. A. [Power of the heart, verse and poems] Vlast' serdtsa, stikhotvorenija i poemy. Moskva, Khudozh. lit-ry, 1966. 226 p.
- POGODIN, N. F. [Searching, thinking, discovering, ..., articles, reviews and travel notes, 1953-1962] Iskai', mysl', otkrytiia; stikhi, recheniia, putevye zametki (1953-1962) Moskva, Iekusstvo, 1966. 254 p.
- POPOVSKII, A. D. [Tale about an uncommitted crime. They recognized each other. Tale about one Sunday] Povest' o nesodelannom prestuplenii. Oni uznali drug druga. Povest' ob odnom vozkroshenii. Moskva, Sovetskii pisatel', 1966. 457 p.
- [PRACTICAL GRAMMAR; brief information on etymology and syntax] Prakticheskaia grammatika, k kratkim svedeniiam iz etimologii i sintaksisa. [Moskva? 196-] 77 p. (DGW)
- PREMCHAND. [Peculation, a novel. Translated from the Hindi] Rasstrata; roman. Moskva, Gos. izd-vo khudozh. lit-ry, 1961. 302 p. (OCI)
- PRONIAKIN, I. F. [The bot is on the conscience; a novel] Slavka na sovest'; roman. Moskva, Voenizdat, 1967. 228 p.
- PUSHKIN, V. M. [Sea above earth] More nad zemlei. Vladivostok, Dal'izdat, 1965. 54 p. (IEN)
- RADZINSKII, EDVARD. [A movie is being shot, ..., a play in two acts] Snimatsia kino...; p'esa v dvukh deistviiakh. Otv. red. G. Osipov. Moskva, Otdel raspiostaneniia dramatičeskikh proizvedenii VUOAP, 1966. 108 p.
- RAFFI. [Samvel, a historical novel, 364-400. Translated from the Armenian] Samvel, istoicheskii roman, 364-400. [3. izd.] Erevan, Armianskoe gos. izd-vo, 1960. 481 p. (NIC)
- REUTSKII, P. I. [The ice is breaking up] Lomnetsia led. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1965. 70 p. (NIC)
- REZA, L. [Lithuanian folk songs] Lietuvių liaudies dainos. Vilnius, Vaga. [in Lithuanian] Vol. 2. 1964. 391 p.
- ROKPELNE, FRICES. [...Remember the spruces (Mayor of Jelgava); a play in 3 acts and 10 scenes] ...Atceries egles (Jelgavas galva); novelelums 3 celloņos, 10 atņnas. Riga, Liesma, 1966. 89 p. [in Latvian]
- ROMANCHENKO, M. Z. [The garri son beyond the clouds; a tale] Zakhar'maryi garnizon; povest'. L'viv, Kamenar, 1966. 164 p.
- ROSHCHIN, P. F. Aleksandra Tvardovskii, Moskva, Pitsvshchenie, 1966. 174 p. (Biblioteka slovenska)
- ROSHKA, V. R. [On second thought] Minita de po ut me Kishineu, Karita Moldovenaske, 1966. 305 p. [in Moldavian]
- ROSTOTSKII, B. I., ed. [Contemporary Polish plays] Sovremennye pol'skie p'esy. [Moskva, Isusstvo, 1966] 395 p. (MII)
- RUBYTS'KYI, I. V. [The aimed heart, poems] Ozhutene seritse; poezii. Kyiv, Molod', 1963. 55 p. (NN)
- RUDCHENKO, P. I. [Bad people, a tale] Lykhi ljudi, povest'. Kyiv, "Dnipro", 1965. 147 p. (NN)
- RYMASHIVSKII, V. V. [Eyes into eyes] Glaza v glaza, Iaioslavl', Vorkhne-Volzhskoe knizhnoe izd-vo, 1966. 62 p. (Biblioteka pisatelei Vorkhnei Volgi)
- RYTKHEU, I. U. S. [Alvangu, a novel] Alvangu, roman. [Moskva, Molodala gvardia, 1966] 291 p. illus. (MII)
- RZAEV, SABIR. [Azerbaijani theater in Armenia] Azerbaidzhan'skii teat'r v Armenii. Baku, Azerbaidzhan'skoe teat'r ob-vo, 1963. 109 p. illus. (MII)
- SAKOVA, V. G. [Steel of the North Star, verse and a poem] Uiltsa Pol'nnoi zvezdy, stikhi i poema. Alma-Ata, Izd-vo Zhazushi, 1966. 66 p. (MII)
- SAATOV, ZHAPAR. [Sensivity, a collection of stories] Meeliim, angemelel. Frunze, Kyrgyz mamlekettik okuu-pedagogika bannasy, 1962. 75 p. [in Kirghiz]
- SABALENKA, RAMAN. [Hunting boots; stories] Pahlaunichyia boty; apavladanni. Minsk [Zviazda] 1962. 49 p. (Biblioteka bozhynka, no. 2(32)) (NN)
- [THE SACRED WAR, ..., verse about the Great Patriotic War] Sviascheniia volna...; stikhi o Velikoi Otechestvennoi volne. Moskva, Khudozh. lit-ia, 1966. 814 p. (Velikoi Otechestvennoi...)
- SAFRONOV, V. M. [A shot at dawn, tale and stories] Vy-strel na rassvete, povest' i rasskazy. Tula, Pitsk-skoe knizhnoe izd-vo, 1965. 141 p. (NIC)
- SAGANOV, I. U. M. [Novograd-Svirzhskii, an historical novel] Novograd-Svirzhskii; istoicheskii roman. Saratov, Pilyzhskoe knizhnoe izd-vo, 1966. 316 p.
- SANGADZHEVA, BOSIA. [The lyre; verse and a poem. Lira; stikhi i poema, G'list, Kalmykskoe knizhnoe izd-vo] 1965. 101 p. [in Kalmyk] (MII)
- SCHILLER, FRIEDRICH. [Wilhelm Tell, a drama in five acts] Vil'goln Tell; drama v p'iaty deistviiakh. Moskva, Gos. izd-vo detskoi lit-ry, 1959. 171 p. (OCI)
- SEMEENOVA, N. A. [Molanika, stories] Molanika; rasskazy. [Moskva] Moskovskii rabochii, 1966. 130 p. (MII)
- SEMEONOVSKII, K. S. [Selected works] Izbrannoe. Kishinev, Karita Moldovenaske, 1966. 343 p.
- SEMPER, JOHANNES. [Works] Teosed. Tallinn, Eesti Raamat. Vol. 5. [Travel notes] Reisikirjad. 1965. 520 p. [in Estonian]
- SEREBRIAKOVA, G. I. [Precedence, a novel] Pred-sheastvie, roman. Moskva, Khudozh. lit-ry, 1966. 111 p. (Roman-gazeta, no. 20(368))
- SERGEEV, N. S. [Under the battleship's keel] Pod kilem lincora. [Leningrad] Lenizdat, 1966. 110 p.
- SERGEEV-TSENSKII, S. N. [Lighthouse in the fog. Michel Lermontov, a novel. Lenia Slesarev; a tale. Stories, verse, fables] Malak v iumane. Mishel' Lermontov, roman, Lenia Slesarev; povest'. Ras-skazy, stikhi, basni. Sinteropol', "Kiyun", 1965. 575 p. (RBP)
- SEVAST'IANOV, A. A. [The Wild Urman; a tale] Dikii Urman, povest'. Iaioslavl', Vorkhne-Volzhskoe knizhnoe izd-vo, 1966. 140 p.
- SHAPOVAL, P. Z. [Obelisks and little ears of grain] Obelisky i kolosky. Dnipropetrov'sk, Priomh, 1966. 69 p.
- SHCHERBAK, A. I. [Sculpture without a pedestal; a tale] Skul'ptura bez p'stamenta, povest'. Kyiv, Rad. pys'mennyk, 1966. 144 p.
- SHCHERBAK, IUNII. [As in wartime, tale and stories] Iak na voinu, povest' i opovidanni. Kyiv, Radnans'kyi pys'mennyk, 1966. 317 p. (MII)
- SHCHIPAKHINA, L. V. [A personal matter, verse] Lichnoe delo, stikhi. Moskva, Sovetskii pisatel', 1966. 62 p.
- SHEKHTER, DANIEL. [Place in the ranks; tales] Lokul yn koloane, povesti'. Kishineu, Karita Moldovenaske, 1966. 121 p. [in Moldavian]
- SHEVCHENKO, P. A., and S. M. FLORINSKII, comp. [Russian literature, chrestomathy for the 6th grade] Rodnala literatura, khrestomatia dlia 6 klassea. Izd. 4. Moskva, Gos. uchebno-pedagog. izd-vo, 1963. 350 p. (CaOMU)
- SHEVCHENKO, T. II. [Three years, autographs of poetry, 1843-1845] Tri lita, avtografy poezii, 1843-1845. roiv. Kyiv, Naukova dumka, 1966. 106 [i.e. 212] p. (MII)
- SHEVCHENKO, T. II. [Works in two volumes] Tvoi y v dvoia tomakh. Kyiv, Dnipro, 1966. 2 v. (Shkil'na biblioteka)
- SHIKINA, L. V. [Coeval, verse] Rovesultsa, stikhi. Moskva, Sovetskii pisatel', 1966. 74 p. (MII)
- SHIKAPA, I. S. [Seven years with Gor'kii, memoirs] Sem' let s Gor'kim, vospominaniia. Moskva, Sovetskii pisatel', 1966. 386 p.
- SILIAEV, MIKHAIL. Sluit [Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 33 p. (NIC)
- SIMEL'EV, O. M., and V. V. VOSTOKOV. [The resident's mistake] Oshibka rezidenta. [Moskva] Molodala gvardia, 1966. 286 p. (MII)
- SHOLOKHOV, M. A. [Stories of the Don] Donskie rasskazy. Moskva, Detskaiia literatura, 1964. 220 p. (Stikol'nala biblioteka) (NBC) (NJR) (PSC)
- SHTOK, ISIDOR. [The old maid, a comedy in two acts] Staraii deva, komedia v dvukh aktakh. Otv. red. V. Tshirniuk. Moskva, Otdel raspiostaneniia dramatičeskikh proizvedenii VUOAP, 1965. 66 p.
- SHUKKIN, AMINDZION. [Lyrics. Translated from the Tajik] Lirika. Moskva, Molodala gvardia, 1957. 38 p. (IEN)
- SHUMAKOVA, T. A. [The work of Ethel Lilian Voynich. Author's abstract of the dissertation for the degree of Candidate in Philological Sciences] Tvorchestvo Etel' Lilian Voynich. Avtoreferat dissertatsii na soiskanie uchenoj stepeni kandidata filologicheskikh nauk. Nauka, ukovoditel'-Z. T. G. azhdanskala. Moskva, Ohi, pedagog. in-1, 1965. 17 p. [MICROFILM]
- SIKORS'KYI, I. A. P. [Asters, tales and stories] Alstiy, povesti i opovidanni. Odesa, Malak, 1966. 315 p.
- SITNIKOVA, V. A. [Fervent heart. The Belogrivka snow-storm] Gorlachee serdse, Belogrivskaiia metel'stva. [Gor'kii] Volgo-Viat'skoe knizhnoe izd-vo, 1956. 380 p. (NIC)
- SLOVO O POLKU IGOREVE. [The lay of the host of Igor; a retelling in verse of N. Rylenkov] Slovo o polku Igoreve; stikhotvornyi rasskaz N. Rylenkova. [Moskva, Sovetskaiia Rossiia, 1966] 61 p. (MII)



SMAGULOVA, GULZAI. [The poetic work of Ashka Tokmagambetov Poeticheskie i tvorcheskie Ashtaa Tokmagambetova. Alma-Ata, Zhazushy] 1965. 93 p. [In Kazakh] (MB)

SMILANS'KYI, L.I. [Sashko, a tale] Sashko, povist'. Kyiv, Radlans'kyi pys'mennyk, 1966. 314 p. (MH)

SMOLIN, E. L. [Sudden turns, a tale] Kuvyts porotiv, povest'. Minsk, "Belarus", 1966. 295 p.

SOFRONOV, A. V. [Pavlina, a comedy in three acts] Pavlina, komedija v trih deystviakh. Muzyka Borisa Mefrousova. Moskva, Sov. Rossiia, 1966. 94 p.

SORUZ PISATELEI RSFSR. [The upper reaches, verse, stories, sketches, short stories, fables, satire, humor, travels, and meetings of writers of the upper Volga] Verkhov'e, stikhi, rasskazy, ocherki, novelly, basni, satira, humor, put'shestviia i vstrechi pisatelei Verkhnei Volgi. Khos'lyvi', Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 157 p.

SOLODAR', TS. S. [Untypical types, fictions in verse] Ne tipichnye tipy, fiktivny v stikakh. Moskva, Sov. Rossiia, 1966. 109 p.

SOMOVA, S. A. [A light in the window; verse] Ogon' v okne, stikhi. [Most'va] Sorokstii pisatel', 1966. 117 p. (MH)

[THE SONG OF THE REED PIPE, Pesti' sviatli. Kishinev, Karla Moldovenasko] 1965. 317 p. [In Moldavian] (MH)

SOOKAS, JUHAN. [Grandfather's gun, satire and other humorous stories] Vnatsia puss, jahnmehejute ja mud nat'jugusid. Tallina, EKP Keskkomitee Kirjastus, 1967. 93 p. [In Estonian]

SOSIURA, VOLODYMYR. [My Donets land, poems] Donechchyno mola, poezii. [Kyiv, Dnipro, 1966] 725 p. (CaOTU)

[SPARKLING DEWS] Iskristye rosy. [Leningrad] Lenizdat, 1966. 103 p. (Stikhi p'sovskikh poetov) (MH) (NC)

SRUGGA, BALYS. [Crests of waves] Bangu virsmos. Vilnius, Vaga, 1966. 102 p. [In Lithuanian]

STADNIUK, I. F. [People are not angels, a novel] Ljudi ne angeli, roman. [Moskva] Molodala gvardia, 1966. 2 v. (MH)

STAMATI, CONSTANTIN. [Selected works] Skrieti' alose. Sub yngrizhila lui I. G. ecul. Kishinev, Lunina, 1966. 98 p. (Biblioteka shkolarului) [In Moldavian]

STANIUKOVICH, K. M. [Maksimka; stories] Maksimka, rasskazy. Moskva, Gos. izd-vo det'skoi literatury, 1963. 94 p. (Shkol'nala biblioteka dlia nerusskikh shkol) (CaAEU)

STANIUKOVICH, K. M. [Sailors, stories] Mornah; rasskazy. Moskva, Deizh, 1962. 174 p. (OC)

STARTSEV, P. N. [The silver islands, a tale and stories] Serebranye ostrova; povest' i rasskazy. Barnaul, Altayskoe knizhnoe izd-vo, 1966. 182 p.

STEPANOV, A. V., and A. V. TOLMACHEV. [The orator's companion] Spulnik oratora. Moskva, Sov. Rossiia, 1969. 351 p.

STEPANOV, I. [On the edge of the world, a tale] Na kratu sveta; povest'. Iaroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 125 p.

STETSUK, I. A. N. [Reminiscences of that spring, a tales] Spomyn pro tu vesnu; povistli. Kyiv, Radlans'kyi pys'mennyk, 1966. 257 p.

[STORIES OF AFRICAN WRITERS] Rasskazy afrikanstikh pisatelei. Moskva, izd-vo inostr. lit-ry, 1962. 261 p. (CaAEU)

[STORIES OF URAL WRITERS] Rasskazy pisatelei Urala. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1964. 366 p. (10)

STRYZHENIUK, S. S. [The blacksmith's glory, a poem] Slava kovalyva, poema. Odesa, Malak, 1964. 82 p.

SUKHOBSKAYA, G. S. [Acquisition of knowledge of the Russian language by students of evening school] Usvoenie znaniy po russkomu iazyku uchashchimsia v chernykh shkol. Moskva, Prosveshchenie, 1965. 77 p. (NIC)

SVARNYK, I. I. [A personal den, fables] Personal'nyi barin, baiki. Lviv, Kamen'ia, 1966. 71 p.

SVETLOV, M. A. [Verse] Stikhi. Moskva, Molodala gvardia, 1965. 28 p. (VaU)

SYDORENKO, V. P. [Yellow flower, short stories] Zhovtyi kvit, novely. Kyiv, Radlans'kyi pys'mennyk, 1966. 177 p. (InU)

SYNGAEVSKII, P. F. [Moon snow] Lunnyi sneg. [Moskva] Molodala gvardia, 1966. 80 p.

SYRDYBAEV, M., comp. [A garland for Toktogul, recollections and dedications] Venok Toktogulu, sbornik vospominanii i posvashchenii. Frunze, Mektep, 1961. 112 p. (NNC)

TABACHNIKOV, KH. KH. [A small place near the Dnieper] Translated from Yiddish. Mestechko u Dnepra. Moskva, Sov. pisatel', 1966. 323 p.

TABIDZE, GALAKTION. [Peach blossoms] TSvety persika. Tbilisi, izd-vo TsK KP Gruzii, 1966. 63 p. [In Georgian]

TANK, MAKSYM. [Selected works in four volumes] Zbor tovaru u chetyrokh tomakh. [Minsk, Belarus'] Vol. 2. [So that one may know. On stone, iron, and gold. On the road] Kab vedali, Na kamni, zhaloz i zolote. U daroz. 1960. 526 p.

TARSIS, V. IA. [Ward No. 7] Palata No. 7. [Frankfurt am Main] Posev, 1966. 148 p. (OU)

TELEUKE, VIKTOR. [Deer island] Insula cherbiloi. [Kishinev] Lunina, 1966. 74 p. [In Moldavian]

TELEUKE, VIKTOR. [Verse] Versur'. Kishinev, Karla Moldovenasko, 1966. 102 p. (Kolektsia "Auzoria") [In Moldavian]

TERESHCHENKO, G. M. [With the first rocket, a tale] Pervoi raketa; povest'. Kharkov, Prapor, 1965. 94 p. (MH)

TIMCHENKO, V. P. [Frank talk, lyrics and satire] Razgovor nachistotu; lirika i satira. Kharkov, Prapor, 1965. 86 p. (IU)

TITOV, R. IU. [There is a man by your side, a tale and four stories] S toboi rladom chelovek; povest' i chetyre rasskaza. Tallin, Estonskoe gos. izd-vo, 1963. 164 p. (NIC)

TIUTCHEV, I. I. [Leaves] List'ia. [Moskva, Gos. izd-vo det'skoi lit-ry, 1963] 31 p. (Kniga za knigoi) (CoU)

TIUTIUNYK, H. M. [The bud; stories] Zav'laz', opovidannia. Kyiv, Molod', 1966. 157 p. (MH)

TOLSTOI, L. N. [L. N. Tolstoi on literature, articles, letters, diaries] L. N. Tolstoi o literature; stat'i, pis'ma, dnevniki. Moskva, Gos. izd. vo khudozh. lit-ry, 1965. 763 p. (OCiW)

TOLSTOI, L. N. [Yasnaya Polyana, stories from an ABC book, fairy tales, fables, proverbs, and riddles] Iasnaya Poliana; rasskazy iz azbuki, skazki, basni, poslovitsy, zagadki. [Moskva, Gos. izd-vo det'skoi lit-ry, 1966] 117 p. (PP)

TOMOJI, ABE. [The white obelisk, a novel. Translated from Japanese] Belyi obelisk, roman. [Moskva, Progress, 1966] 174 p.

TOOMING, OSVALD. [Six stories] Kuus juttu. Tallin, Eesti Raamat, 1966. 291 p. [In Estonian]

TORIN, VLADIMIR. [Yesterday they were youngsters; a novel] Vchera byli podrostkami, roman. Izd. 2. Kiev, Molod', 1965. 302 p. (nNU)

[TREASURES OF WISDOM, Ukrainian folk tales, legends, anecdotes, riddles, proverbs, etc.] Skazby mudrosti, ukrains'ki narodni kazky, legendy, anekdoty, zahadky, prastiv'ia ta in. Kyiv, Radlans'ka shkola, 1966. 216 p. (Shkol'na biblioteka)

TRIAPKIN, N. I. [Silver ponds] Serebranye prudy. Moskva, Sovetskaya Rossiia, 1966. 109 p. (IEN)

TSERETELI, GEORGI. [The first step. Translated from the Georgian] Pervyi shag. Tbilisi, Literatura da Khelovneba, 1965. 516 p. (NNC)

TSVETAEV, B. N. [Wind from the fields] Veto s polia [Lipetsk] Lipetskoe knizhnoe izd-vo, 1961. 22 p. (MH)

TSYTOVYCH, I. P. [Symphony of a thunderstorm, poetry] Symfonia hrozy, poezii. Kyiv, Dnipro, 1963. 148 p.

TIJARSKII, KONSTANTIN. [Travelling village, verse. Translated from the Yakut] Pokhodnala deieynia, stikhi. Moskva, Gos. izd-vo det'skoi lit-ry, 1966. 29 p. (NN)

TURKOV, A. M. [Saltikov-Shchedrin. [Izd. 2., ispr. i dop.] Moskva, Molodala gvardia, 1965. 360 p. (Zhizn' zamechatel'nykh liudel. Serlia biografii, no. 22) CaOTU

TURMANZHANOV, UTEBAI. [Selected works. Izbrannoe. Alma-Ata, Zhazushy] 1965. 353 p. [In Kazakh]

TVARDOVSKII, A. I. [House by the road, a poem] Dom u dorogi, poema. Moskva, Gos. izd-vo det'skoi lit-ry, 1959. 75 p. (Shkol'nala biblioteka) (MoSU)

TYMCHUK, VIKTOR. [A piece of blue sky, stories] Okrales' syn'oho neba, opovidannia. Kyiv, Molod', 1965. 126 p. (CaOTU)

UDOVYCHENKO, IU. P. [At the mountain pass] Na perevalli. Odesa, Malak, 1966. 108 p.

UKHLI, V. V. [People of Shurgol; a novel] Shurkelaeni, roman. Shugashka, Chavash ASSR keneke izdatel'stvi. [In Chuvash] Pt. 2. 1966. 187 p.

UTKOV, V. G. [Born in the midst of bad weather] Rozhdenyi v nedrakh nepogody. Novosibirsk, [Zapadno-Sibirskoe knizhnoe izd-vo] 1966. 417 p.

VACLAVIK, ANTONIN. [The art of psychological analysis in the work of Mikhail Sholokhov] Iskusstvo psichologicheskogo analiza v tvorchesve Mikhaila Sholokhova. Prague, Statni pedagogicke naklad., 1962. 135 p. (Olomouc, Moravia—Palackeho universiteta Filosoficka fakulta Philologica, no. 6) InU

VACZEMNIEKS, LAIMONIS. [Boys of Līvāli] Līvāli las zeni. Riga, Liesma, 1966. 242 p. [In Latvian]

VASIL'EV, A. S. [We didn't surrender] My ne sdalis'. [Satov, Privolzhskoe knizhnoe izd-vo, 1965] 177 p. (NRU)

VELENGURIN, N. F. [Literary portraits] Literaturny portrety [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1966. 340 p.

VERKHOVSKII, VIACHESLAV. [A true story of the mountains] Gornala byl'. Sukhumi, Alashara, 1965. 79 p. (MH)

VINOGRADOV, I. I. [Responsible to the times; notes on the rural sketch of the fifties] V otvete n vremen; zametki o derevenskom ocherke p'iatidesiatykh godov. Moskva, Sov. pisatel', 1966. 191 p.

VINONEN, R. I. [A moment, verse] Mguoven'e, stikhi. Moskva, Sovetskii pisatel', 1966. 86 p. (MH)

VLESTARU, B. M. [A roof above the head] Akoperish de asupia kapului. Kishinev, Karta Moldoveniaske, 1966. 153 p. [In Moldavian] (MH)

VODE, GEORGE. [Autumnal lights, verse] Osenile ogul, stikhi. Kishinev, Karta Moldoveniaske, 1965. 91 p. [In Moldavian] (MH)

VOISHCHEV, IU. T. [I am waiting for father, a tale] IA zhdai ottsa, povest'. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1965. 86 p. (MH)

VOLCHIK, IAKOV. [Court chronicle, a play in three acts] Sudebnaia khronika, p'esa v trekh deistviiakh. Otdel N. Stegina Moskva, Otdel raspiostaneniia drammaticheskikh proizvedenii VUOAP, 1966. 75 p.

VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Biblioteka Nusic, a bio-bibliographic index] Branislav Nostich, bibliograficheski ukazatel'. Moskva, Kniga, 1965. 68 p. [Pisatel' zarubezhnykh stran] (CAOTU) (MH)

VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. [Works of Soviet writers translated into foreign languages; separate foreign editions, 1958-1964, a bibliography] Proizvedeniia sovetskikh pisatelei v perevodakh na inostrannyieazyki; otdel'nye zarubezhnye izdaniia 1958-1964, bibliograficheski ukazatel'. Moskva, Kniga, 1966. 361 p.

VSESOIUZNYI INSTITUT NAUCHNOI I TEKHNIЧЕСКОI INFORMATSII. [Preliminary communication concerning the deciphering of the Khatan writing] Predvaritel'noe soobshchenie o dekhifirovke khatan'skogo pis'ma. Moskva, 1964. 35 p. (MH)

VYRYPAEV, P. A. [Lermontov is with us, the M. I. U. Lermontov State Residence Museum. A guidebook] Lermontov s nami. Gosudarstvennyi muzei-usad'ba M. I. U. Lermontova. Putevoditel'. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 87 p.

VYSNIIA, OSTAP. [Smiles] Usmishky. Kyiv, Dnipro, 1965. 325 p. (CAAEU)

[THE YOUNG PERSON, literary and artistic collection] Metodol chelovek, literaturno-khudozhestvennyi sbornik. [Perm'] Pechenskoe knizhnoe izd-vo, No. 3. 1964. 390 p. (MICROFILM)

[YOUTH, selected works, 1955-1965] Iunost', Irbiannoe, 1955-1965. Moskva, Pravda, 1965. 793 p. (IEN) (NN)

ZABILA, NATALIJA. [Katrusia is already a big girl, tales] Katrusia uzho bol'shal; povesti. Moskva, Det'skaja lit-ra, 1966. 205 p.

ZAIATUEV, G. N. [First newspapers of revolutionary Mongolia] Pervye gazety revoliutsionnoi Mongolii Ulau-Ude, 1962. 53 p.

ZALYGIN, S. P. [Paths of the Altai, a novel. On the Irtysh; a tale. Stories] Tropy Altai; roman. Na Irtysh; povesti'. Rasskazy. Moskva, Khudozh lit-ra, 1966. 595 p.

ZARAKHOVICH, IA A. [Molasses; a tale] Malas, povest'. [Kalinigrad] Kaliningradskoe knizhnoe izd-vo, 1966. 265 p.

ZAZUBRN, V. IA. [Two worlds, a novel] Dva mira, roman. [Barnaul, Altai'skoe knizhnoe izd-vo, 1966] 194 p.

ZILSLINA, S. S. [Kind light from afar; true stories about L. N. Tolstol] Dobryi svet izdaleka, nevymyslennye rasskazy o L. N. Tolstom. Moskva, Sovetskii pisatel', 1966. 254 p. (IUU)

ZHUKIOVITSKII, L. A. [I am going after a crane; stories and a tale] Idu za zhuravlem; rasskazy i povest'. [Moskva, Sovetskaja Rossia, 1966] 190 p. (MH)

ZIBOROV, L. A. [Soldiers walk after the sun, stories and a tale] Soldaty idut za solnsem, rasskazy i povest'. Tula, Pilokskoe knizhnoe izd-vo, 1965. 187 p. (IEN)

ZIEDONIS, IL. ANTS. [Motorcycle] Motocikls. Riga, Liesna, 1965. 149 p. [In Latvian] (MH)

ZOLA, EMILE. [The conquest of Plassans. Translated from the French] Zavoovanie Plassana. Moskva, Pravda, 1937. 285 p.

ZOLA, EMILE. [His excellency Eugene Rougon. Translated from the French] Ego p'evoshoditel'stvo Ezhen Rugon. Moskva, Pravda, 1937. 306 p. (OCI)

ZOLA, EMILE. [The markets of Paris. Translated from the French] Chervo Parizha. Moskva, Pravda, 1957. 273 p. (OCI)

ZOLA, EMILE. [Piping hot. Translated from the French] Nakip'. Moskva, Pravda, 1957. 366 p. (OCI)

ZOLA, EMILE. [The trap. Translated from the French] Zapadna. Moskva, Pravda, 1937. 365 p. (OCI)

ZORIN, M. I., and I. Z. SHUL'KINA. [The flaming torch, a novel] Pyalishchil fakel, roman. Riga, Liesna, 1965. 529 p. (IU)

ZOSHCHENKO, M. M. [Confession] Ispoved'. Moskva, Izd-vo polit. lit-ry, 1965. 62 p. [Khudozhestvennata ateisticheskai biblioteka] (CAAEU)

ZUPANIC, BENO. [Funeral repasts. Translated from the Slovenian] Pomilky. Moskva, Progress, 1961. 244 p. (IU)

ZVEREV, M. D. [Adventures of Buken, a true story about birds and animals] Priklucheniia Bukena, nevydumannyie istoii pi o ptits i zhivotnykh. Tashkent, Ish gvar-dia, 1966. 184 p.

ZVOLINSKAIA, IU. I. [Didactic material on the Russian language for the third grade of the two-group school] Didakticheski material po russkomu iazyku dlia III klassa dvukhkomplektnoi shkoly. Izd. 3. Moskva, Gus. uchebno-pedagog. izd-vo, 1962. 199 p. (OU)

## 12. GEOGRAPHY & GEOLOGY

AKADEMIA NAUK SSSR, Institut etnografii. [Peoples of Southeastern Asia] Narody Iugo-Vostochnoi Azii. Pod red. A. A. Gubera i dr. Moskva, Nauka, 1966. 761 p. (narody mira: Etnograficheskie ocherki)

AKADEMIA NAUK SSSR, Institut geokhimii i analiticheskoi khimii. [Geochemistry of the Variscan intrusive complexes of the northern Tien Shan] Geokhimiia variskikh intruzivnykh kompleksov Severnogo Tian'-Shania. [By] R. D. Gavrilin i dr. Moskva, Nauka, 1966. 246 p.

AKADEMIA NAUK SSSR, Otdelenie nauk o zemle. Otdel monograficheskikh kolektsii. [Continental Upper Paleozoic and Mesozoic of Siberia and central Kazakhstan; biostratigraphy and paleontology] Kontinental'nyi verkhnii paleozoi i mezozoi Sibiri i Tsentral'nogo Kazakhstana, biostratigrafiia i paleontologiya. Moskva, Nauka, 1966. 182 p. illus.

AKADEMIA NAUK SSSR, Sibir'skoe otdelenie. [S. P. Krasheninnikov in Siberia; unpublished materials] S. P. Krasheninnikov v Sibiri, neopublikovannye materialy. Podgotovka teksta i vstup. slai' N. N. Stepanova. Moskva, Nauka, 1966. 230 p.

AKADEMIA NAUK UZBEKSKOII SSR, Institut geologii i geofiziki. [Mountain glaciation of Uzbekistan and adjacent areas] Gornoe oledeniie Uzbekistana i simezhnykh territorii. Tashkent, Izd-vo "Fan" UzSSR, 1966. 116 p.

AKHMEDEBIL, F. S. [Recent tectonics of the eastern part of the Greater Caucasus; on the borders of Azerbaijan] Neotektonika vostochnoi elasti Bol'shogo Kavkaza, v predelakh Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 200 p.

ALEKSEEV, A. I. Gavrilil Andreevich Sarychev. Moskva, Nauka, 1966. 166 p. (Nauchno-biograficheskai seriia)

ARKHANGEL'SKII, N. [A journey to the island of Ball] Puteshestvie na ostrov Ball. Moskva, Pravda, 1965. 46 p. (Biblioteka Ogonek, no. 36) (MH)

[AUTUMN IN LVOV] L'viv'ska osin'. [L'viv, Kamennar, 1965] 1 v. (chiefly illus.) [In Ukrainian, Russian, and English]

BAKUMENKO, I. T. [Regular quartz-feldspar intergrowths in pegmatites and their genesis] Zakonomernost' kvarts-polevoshpatovoye siastaniia v pegmatitakh i ikh genesis. Moskva, Nauka, 1966. 171 p.

BORISENKO, L. F. [Rare and minor elements in ultra-basites of the Urals] Rodkie i malye elementy v gl'ebazitakh Urala. Moskva, Nauka, 1966. 222 p.

BUSYGIN, E. P. [Rural Russian population of the middle Volga Valley, an historical and ethnological study of material culture, the middle of the 19th to the beginning of the 20th century] Russkoe sel'skoe naselenie Srednego Povolzh'ia, istoriko-etnograficheskoe issledovanie material'noi kul'tury (seiednia XIX - nach XX vv.). [Kazan'] Izd-vo Kazanskogo univ., 1966. 402 p.

[THE CITY OF IVANOVO, a photographic album] Gorod Ivanovo, fotoal'bom. [IAIoslav'] Veichno-Volzhskoe knizhnoe izd-vo, 1966. 1 v. (chiefly illus.) (CSI-II)

[DNEPROPETROVSK, a brief guidebook] Dnepropetrovsk; chtiil putevoditel'. Dnepropetrovsk, Pioner, 1966. 236 p.

DROBYSHEVSKII, V. I. [The reporting is done by the editor] Reportazhi vedet redaktsiia. [Chelabinsk] Iuzhno-Ural'skoe knizhnoe izd-vo, 1961. 206 p. (CSI-III)

EESTIMAA KOMMUNISTLIK PARTEI Keskkomitee. Plopaganda- ja Agitatsiooniosakond. [Soviet Estonia in 1959-1965] Noutogude Eesti aastail 1959-1965. Tallinn, Eesti Riiklik Kirjastus, 1959. 40 p. (chiefly illus.)

[GEOLOGICAL LITERATURE OF THE U.S.S.R., bibliographical yearbook for 1949-1950] Geologicheskai literatua SSSR, bibliograficheski ezhegodnik za 1949-1950 gody. Leningrad, 1960. 214 p.

[GEOLOGY OF THE U.S.S.R.] Geologiya SSSR. Glav. red. A. V. Shkorenko. Moskva, Nedra. Vol. 48. [Caspitians] Karpaty. Pl. I. Semenenko, N. P., and others, eds. [Geological description] Geologicheskoe opisanie 1966. 538 p. map (insert)

[GET ACQUAINTED WITH UZHGORODI] Znakom'tes' - Uzhgorodi. Uzhgorod, "Karpaty," 1966. 63 p. illus.

GORNUNG, M. D., and G. N. UTKIN. [Morocco; outline of its physical and economic geography] Marokko; ocherki po fizicheskoi i ekonomicheskoi geografii. Moskva, Myal', 1966. 318 p.

GRIGOR'EV, A. A. [Structural and developmental characteristics of the geographical environment; selected theoretical works] Zakonomernosti stroenia i razvitiia geografiicheskoi sredy. Izbrannye teoreticheskie raboty. Moskva, Myal', 1966. 381 p.

[THE "HIGH CASTLE" HILL] Vysokyi Zamok. L'viv, Kamennar, 1966. 37 p. illus. [In Ukrainian, Russian, and French]

HNATOV, V. M., and A. E. STARODUBTSEV. [Donetsk] Donetsk. [Donetsk, "Donbas," 1963] 1 v.

IUNET' UKRAINY. The youth of the Ukraine. Fotoal'bom. [Kyiv, Molot', 1966. 2] p. (chiefly illus.) text (insert) [in 6 languages]

[KIEV] Kyiv. [Kyiv, Derzh. vyd-vo obrazovorechchoho mystelstva i muzychnoi lit-ry, 1957] 1 v. (chiefly illus.)

KORKLYSH, S. [Liepaja. Translated from the Latvian] Liepaja. Riga, Liesma, 1966. 63 p.

KUKOVSKI, E. G. [Characteristics of the structure and physicochemical properties of clay minerals] Osobennosti stroenia i fiziko-khimicheskie svoistva glinistykh mineralov. Kiev, Naukova dumka, 1966. 130 p.



KYIVSKIY DERZHAVNIY UNIVERSITET. Geogr.ichnyi fakul'tet. [Geography of Kiev Province, atlas]. Geograf. filia Kyivskoi oblasti, atlas. Kyiv, 1962. xvi p. 88 1 map. (RIN)

[THE LAND AND THE PEOPLE, geographical calendar for 1967]. Zemlia i ljudi, geograficheskii kalendar' 1967. Moskva, Mysl', 1966. 333 p. map (insert)

MASHIKOVA, G.B., and N.I.A. PODOPLELOV. [Practical exercises in the physical geography of the U.S.S.R.]. Praktikum po fizicheskoi geografii SSSR. Pod red. A.M. Arkhangel'skogo. Moskva, Vysshii shkola, 1966. 195 p.

MATSKVICH, O.V. [A path across the century]. Dorega cherez stoletie. Almaty, "Kazakhstan," 1966. 216 p.

MIKLUKHA-MAKLAI, N.N. [A trip to New Guinea]. Mandriyka na Novu Gvineyu. Kyiv, Vrselka, 1965. 307 p. (Caeu)

NOVIKOV, L.A., and A.K. TARADANKIN. [On warm seas]. Moriam teplymi. Moskva, Sovetskaya Rossiya, 1966. 166 p. illus.

NOVOSIBIRSKIY INSTITUT INZHENEROV ZHELEZNO-ROZINOGO TRANSPORTA. [Geological field tips in surrounding area of Novosibirsk, methodological guidebook on geological practice for students specializing in construction in the Novosibirsk Institute of Engineers of Railroad Transportation]. Geologicheskie ehkursii v okrestnostyakh goroda Novosibirska, metodicheskoe rukovodstvo po uchebnoi geologicheskoi praktike studentov stroitel'noi spetsial'nosti NIIZhTA. Novosibirsk, 1965. 76 p. (MICROFILM)

OSETROV, O.A. [Genesis of minerals, textbook for a course in "Mineralogy and geosministry"]. Genezis mineralov, uchebnoe posobie po kursu "Mineralogiya i geobimnii." Moskva, Univ. druzhnykh narodov, 1965. 121 p. (MICROFILM)

PANIUKOV, P.N. [Fundamentals of physical mineralogy and petrography]. Osnovy fizicheskoi mineralogi i petrografi. Moskva, Mosk. in-t radioelektroniki i gos. in-ektromekhaniki. Pt. 1. [Fundamentals of physical mineralogy]. Osnovy fizicheskoi mineralogi. 1966. 68 p.

PASHUK, A.I., and I.S. DERKACH. [Lvov, a brief illustrated guidebook]. Lviv, malyi illustrovanyi putnyk. [Lviv] Lviv'ske knizhkovoznaistvo 1962. 173 p.

POLOVINKINA, N.I. [Structure and texture of igneous and metamorphic rocks]. Struktura i tekstura izverzhennykh i metamorficheskikh gornykh porod. Moskva, Nedra. Pt. 2. Vol. 2. [Metamorphic rocks]. Metamorficheskie porody. 1966. 276 p.

PROIZVODSTVENNIY I NAUCHNO-ISLEDOVATELSKIY INSTITUT PO INZHENERNYI IZYSKANIAM V STROITELSTVE. [Losses of the U.S.S.R.]. Lessosye porody SSSR. Moskva, Nauka, 1966. 254 p.

ROZENBLIT, G.A., comp. [Sukhum: a practical guide for tourists]. Sukhum, prakticheskii spravochnik turista. Sukhum, Alashara, 1966. 87 p.

RUSSIA (U.S.S.R.). Glavnoe upravlenie geodezii i kartografi. [Railroads of the U.S.S.R., lines and stations]. Zheleznye dorogi SSSR, napravleniya i stantsii. 2. Izd. Moskva, 1966. 150 p.

SAKHALINSKIY OBLASTNOY KRAVEDCHESKIY MUZEY. [Brief guidebook for visitors to the Sakhalin Province Museum of Regional Studies]. Kratkiy spravochnik dlia posetiteley. [Uchno-Sakhalinsk, Dal'nevostochnoe knizhnoe izd-vo] 1966. 25 p.

SHALEMOV, A.I. [On the threshold of great secrets]. Na poroge velikikh lain. Moskva, Mysl', 1966. 294 p. (Puteshestviya, priklucheniya, fantastika)

SHARUDD, I.I. [Cretaceous paleogeography of the Sukhot-Alin Range]. Paleogeografiya Sukhot-Alina v molo-voe vremya. Novosibirsk, Nauka, 1966. 56 p.

SHINKAREV, N.F. [Upper Paleozoic igneous activity of the Turkistan and Alay Ranges]. Verkhnepaleozoiskii magnatizm Turkistana-Alaya. [Leningrad] Izd-vo Leningr. univ., 1966. 150 p.

[STUDY OF THE GEOLOGY OF THE U.S.S.R.]. Geologicheskaya izuchennost' SSSR. Glav. red. A.N. Arsovs-kiy i dr. Moskva, Nauka. Vol. 1 [Murmansk Province, period 1956-1960]. Murmanskaya oblast', period 1956-1960. No 1 [Published literature]. Opublikovannyye raboty. 1966. 393 p.

SYDYUKOV, ZH.S. [Underground waters of the Mugodzhai Hills and plains of the Mugodzhai Hill region, formation, resources, and use]. Podzemnye vody Mugodzhai i Primgodzhaiskikh ravnin, formirovaniye, resursy i ispol'zovanie. Alma-Ata, Nauka, 1966. 414 p.

TACHALOV, S.N. [On the Rybinsk Sea]. Na Rybinskom more. [Moscow], Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 94 p.

[TOURISTS IN THE CARPATHIANS, a guidebook]. Turisty v Karpatykh, putevoditel'. Uzhgorod, "Karpaty," 1966. 280 p. illus.

VAZINOV, A.N. [Analysis and forecasting of the stream flow of the Caucasus]. Analiz i prognoz stoka rek Kavkaza. Moskva, Gidrometeoizdat, 1966. 273 p.

VOLKOV, A.M. [Environ of Perm; a guidebook for vacationists]. Okrestnosti Permi, spavochnik v pomoshch' ottykhatsushchym Permu. Perm'skoe knizhnoe izd-vo, 1965. 101 p.

VOLKOV, V.S. [Quaternary sediments of the lower part of the Irtysh Valley and their biostratigraphic characteristics]. Chetvertichnye otlozheniya nizov'ev Irtysha i ikh biostratigraficheskaya kharakteristika. Novosibirsk, Nauka, 1966. 173 p.

VORONOV, A.A. [Topographical manual for tourists]. Spravochnik turistov po topografii. Mafkop, Adygeyskoe knizhnoe izd-vo, 1963. 100 p. (MICROFILM)

VSESOIUNNOE VULKANOLOGICHESKOE SOVESHCHANIE, 24. [Petropavlovsk-Kamchatskiy, 1964]. [Volcanism and the subsurface structure of the earth, transactions]. Vulkanizm i gubinnnoe stroenie Zemli, trudy. Moskva, Nauka. Vol. 3. 1966. 118 p.

ZHDANOV, V.V. [Metamorphism and deep structure of the north-diorite (granulite) series of Russian Lapland]. Metamorfizm i gubinnnoe stroenie severo-dioritovo-granulitovoi serii Russkoi Laplandii. Moskva, Nauka, 1966. 84 p. [Rezultaty issledovaniy po mezhdunarodnym geofizicheskimi proektam]

### 13. SCIENCE

ABOV, N.G., A.D. GUL'KO, and P.A. KRUPCHITSKII. [Polarized slow neutrons]. Poliarizovannyye medlennyye neitrony. Moskva, Atomizdat, 1966. 267 p.

[ACHIEVEMENTS OF SCIENCE: Human and animal physiology, 1963]. Itogi nauki i fiziologiya cheloveka i zhivotnykh 1963. Moskva, Akad. nauk SSSR, 1965. 125 p.

[ACHIEVEMENTS OF SCIENCE: Human and animal physiology, 1965]. Itogi nauki i fiziologiya cheloveka i zhivotnykh 1965. Moskva, Akad. nauk SSSR, 1966. 225 p. (Seriya: Biologiya)

AKADEMIA NAUK GRUZINSKOY SSR. Institut kibernetiki. [Problems in the analysis of operations]. Voprosy issledovaniya operatsii. Tbilisi, Metsnereba, 1966. 117 p.

AKADEMIA NAUK SSSR. Biblioteka. [Transpiration and its role in plant life, bibliographic index for 1959-1964]. Transpiratsiya i ee znachenie v zhizni rasteniy, bibliograficheskii ukazatel' 1959-1964. Sostavila N.N. TSvetkova. Pod red. F.D. Skazkina. Leningrad, 1966. 184 p.

AKADEMIA NAUK SSSR. Dal'nevostochniy filial. [Abstracts of reports from the session of the Council of the Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U.S.S.R. on the results of research in 1964. Section of the Biological and Geographical Sciences]. Tezisy dokladov iz sessii Soveta Dal'nevostochnogo filiala Sibirskogo otdeleniya Akademii nauk SSSR po itogam nauchnykh issledovaniy 1964 goda. Sektsiya biologicheskikh i geograficheskikh nauk. Vladivostok, 1965. 25 p. (MICROFILM)

AKADEMIA NAUK SSSR. Dal'nevostochniy filial. [Chemical studies of natural resources of the Far East. Abstracts of reports of the Council of the Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U.S.S.R. on research results for 1961, section on chemical sciences]. Khimicheskiye issledovaniya prirodnykh resursov Dal'nego Vostoka. Tezisy dokladov i soobshcheniy s sessii Soveta DV filiala SO AN SSSR po itogam nauchnykh issledovaniy 1964 goda, sektsiya khimicheskikh nauk. Vladivostok, 1965. 34 p. (MICROFILM)

AKADEMIA NAUK SSSR. Fiziko-tekhnicheskii institut. [Aerophysical studies of supersonic flows]. Aerofizicheskiye issledovaniya sverkhzvukovykh techeniy. Moskva, Nauka, 1967. 301 p.

AKADEMIA NAUK SSSR. Sektor seti spetsial'nykh bibliotek. [Chemistry of carbohydrates, a bibliography]. Khimiya uglevodov, bibliograficheskii ukazatel' (1961-1964). Moskva, Nauka, 1966. 327 p.

AKADEMIA NAUK USSR. [Physiological and biochemical principles of plant nutrition]. Fiziologo-biokhimicheskiye osnovy pitaniya rasteniy. Kiev, Naukova dumka, 1966. 189 p. (Respublikanskiy mezhdunarodnyy sbornik. Seriya "Fiziologiya rasteniy")

AKADEMIA NAUK USSR. [Synthesis and physical chemistry of polymers]. Sintez i fiziko-khimiya polimerov. Kiev, Naukova dumka, 1966. 195 p. (Respublikanskiy mezhdunarodnyy sbornik. Seriya "Sintez i fiziko-khimiya polimerov")

AKADEMIA NAUK USSR. Institut zahal'noi i neorgani-cheskoi khimii. [Chemistry of rare earth complex compounds]. Khimiya kompleksnykh soedineniy red zemel'nykh elementov. [By] K.B. Iatshirskii i dr. Kiev, Naukova dumka, 1966. 493 p.

AKADEMIA NAUK BSSR. Institut fiziki. [Calculation methods for lasers]. Metody rascheta opticheskikh kvantovykh generatsiy. Pod red. B.I. Stepanova. Minsk, Nauka i tekhnika. Vol. 1. 1966. 183 p.

BADKO, A.K., L.I. DUBOVENKO, and N.M. LUKO SKAIA. [Chemiluminescence analysis]. Khimiluminescentnyi analiz. Kiev, Tekhnika, 1966. 249 p.

BARKHATOVA, K.A., and V.V. SYROVOI. Atlas diagramm svet-svetimosti zvezdnykh skopleniy i asociatsiy. Atlas of colour-magnitude diagrams clusters and associations. Moskva, Astronomicheskoe izd-vo SSSR. Pt. 2. 1963. 1 v. (MICROFILM)

BEREZKIN, V.G. [Analytical reaction gas chromatography]. Analiticheskaya i kaksionnaya gazovaya kromatografiya. Moskva, Nauka, 1966. 183 p.

BIRUKOV, D.A., ed. [Mechanisms of the active central neuron]. Mekhanizmy deyatelnosti tsentral'nogo neyrona. [By] G.A. Vartanian i dr. Moskva, Nauka, 1966. 202 p.

BOURBAKI, NICOLAS, pseud. [Algebra. Translated from French]. Algebra. Moskva, Gos. izd-vo matemat. lit-ry, 1962-1965. 2 v. (Itogi Elementy matematiki) (NIC)

BUSYGIN, N.A. [Secret of longevity]. Sekret doli nosii. Perm', Permskoe knizhnoe izd-vo, 1966. (MICROFILM)

BYT'KO, N.D. [Physics]. Fizika. Moskva, Vysshaya shkola. Pts 3/4. [Electricity. Optics and atomic theory]. Elektricheskoye. Optika i stroenie atoma. 1965. 316 p.

CHATYS-SKIZYNSKA, HALINA. [Maturation of the girl. Translated from Polish]. Period so-nia dziewczki. Izd. 3. Moskva, Meditsina, 1963 p. (Nauchno-populjarnaya literatura)

CINOVSKIS, R., and A. SABLIS. [Advice to musicians]. Padomi senatistom. Riga, Liesma, 194 p. illus. [In Latvian]

DANILUK, I.I. [Lectures on boundary value problems for analytic functions and on singular integrations, for students of Novosibirsk State University]. Lektsii po kraevym znacheniyam dlia analiticheskikh i singularnykh integral'nykh uravneniy studentov Novosibirskogo Gosuniversiteta. Novosibirskii gos. univ., 1964. 225 p.

- DUBININ, N.P. [Theoretical bases and methods of I.V. Michurin's work] Teoreticheskie osnovy i metody rabot I.V. Michurina. Moskva, Prosveshchenie, 1968. 182 p.
- EDUSS, Z. [Enchantress lives in Latvia] Bismundai e mit Latvija. Riga, Liesma, 1966. 153 p. [In Latvian]
- EINSTEIN, ALBERT. [Collected scientific works] Sobraniye nauchnykh trudov. Moskva, Nauka, 1965- (CU)
- ELISEEV, V.G., I.U.N. KOPAEV, and I.R. KILACHITS-KALA. Nontina histologica. Moskva, Meditsina, 1965. 181 p. [In 5 languages] [MICROFILM]
- FILIMONOV, L. [Landing in a cloud] Desani v oblake. Leningrad, Gidrometeoizdat, 1966. 126 p. (Na sushe, v more, v vozdukh)
- [FLORA OF ARMENIA] Flora Armenii. Pod red. A.L. Takhadzhan. Erevan, Izd-vo Akad. nauk Arman'skoi SSR. Vol. 5. Paeoniaceae - Salicaceae. 1966. 382 p.
- FRANK, G.M., and V.G. ASTAKHOVA. [Life of the cell] Zhizn' kletki. Moskva, Znanie, 1967. 45 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya: Estestvoznamenie i fizika, no. 1)
- GEL'FOND, A.O. [Residues and their applications] Vyshchy i ikh prilozheniya. Moskva, Nauka, 1966. 110 p.
- GORDOV, V.S. [Programmed instruction on the subject of "Elements of differential calculus." Topic "The derivative." Lessons 1-2, methodological textbook for technical schools] Programirovannoe obucheniye po razdelu "Elementy differentsial'nogo ischisleniya." Tema: "Proizvodnaya." Urok 1-2, metodicheskoe posobie dlia tekhnikumov. Moskva, Uchebno-metodicheskii kabinet Mosgorovnaizhooz, 1965. 32 p. [MICROFILM]
- GOR'KOVSKII GOSUDARSTVENNYI UNIVERSITET [Brief manual on the qualitative method of analysis without hydrogen sulfide] Kratкое rukovodstvo po kachestvennomu besserovodnorodnomu metodu analiza [By] V.G. Ganina i dr. Izd. 2. Pod red. I.M. Korenmana. Gor'ki, 1965. 73 p. [MICROFILM]
- GORODSKAIA KONFERENTSIYA PO VOPROSAM OB-SHCHIEI I PRIKLADNOI FIZIKI. Alma-Ata, 1966. [Some problems in general and applied physics, Trans-actions] Nekotorye voprosy obshchei i prikladnoi fiziki; trudy. Alma-Ata, Izd-vo "Nauka" Kazakhskoi SSR, 1966. 200 p.
- GRAHAM-SHIRLEY. [Your most humble servant Translated from the English] Vash pokornyi sluga. Red. V. Markina. Moskva, Izd-vo inosti lit-ry, 1962. 221 p. (OU)
- GRIGOR'EV, V.I., and G.I.A. MIKESHEV. [Forces in nature] Sily v prirode. Izd. 2. Moskva, Nauka, 1966. 400 p.
- GROMOV, V.V. [Short course in radiochemistry] Kratkii kurs radiokhimii. Pod red. I.N. Plakina. [Moskva] Metallurgizdat, 1966. 243 p.
- GUL', V.E., and V.N. KULEZNEV. [Structure and mechanical properties of polymers] Struktura i mekhanicheskie svoystva polimerov. Moskva, Vysshaya shkola, 1966. 312 p.
- [HANDBOOK ON THE CLIMATE OF THE U.S.S.R.] Spravochnik po klimatu SSSR. Leningrad, Gidrometeoizdat. No. 3. [Karelian A.S.S.R., Leningrad, Novgorod, and Pskov Provinces] Kareli'skaya ASSR, Leningradskaya, Novgorodskaya i Pskovskaya oblasti. Pt. 2 [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1965. 342 p. No. 6. [Latvian S.S.R.] Latvinskaya SSR. Pt. 1. [Solar radiation, radiation balance, and sunshine] Solnechnaya radiatsiya, radiatsionnyi balans i solnechnoe silenie. 1966. 48 p. No. 25. [Khabarovsk Territory and Amur Province] Khabarovskii krai i Amurskaya oblast'. Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1966. 312 p. No. 27. [Kamchatka Province] Kamchatskaya oblast'. Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1966. 181 p. No. 34. [Sakhalin Province] Sakhalinskaya oblast'. Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1966. 201 p.
- HARVARD UNIVERSITY. Computation Laboratory. [Tables of the error function and of its first twenty derivatives] Tablitsy funktsii oshibok i ee prvyykh dvadtsati poizvodnykh. Moskva, Vychislitel'nyi tsentr AN SSSR, 1965. xvi, 276 p. (Biblioteka matematicheskikh tablits, no. 33) (NIC)
- IZHYTS'KYI, V.Z. [Petty's stories, stories about birds] Pettykovi chornohuzi, opovidania pro ptakhi. Kyiv, Vsesvika, 1966. 62 p.
- IASTRZHEMSKII, A.S. [The dynamics and the history of its development] Teoriya dinamika i istoriya ee razvitiya. Moskva, Energiya, 1966. 660 p.
- ISKHAKI, I.U.D., and A.A. ZHAVORONKOV. [Poisonous animals, poisonous and therapeutic properties of poisonous animals in Tajikistan] Iadovitye zhivotnye, otravlyushchie i lechebnye svoystva iadovykh zhivotnykh Tadzhikistana. Dushanbe, Ifon, 1964. 74 p. [MICROFILM]
- IVANOVA, L.S. [Fundamentals of partial differential equations in mathematical physics, supplement to chapters to a course in higher mathematics] Nachal'nye svedeniya o differentsial'nykh uravneniyakh s chastnymi proizvodnymi matematicheskoi fiziki; dopolnitel'nye glavy k kursu vysshei matematiki. Pod red. Kh.A. Smirnov. Moskva, Mosk. poliga. in-t, No. 3, 1965. 44 p. [MICROFILM]
- KAPITSA, P.L. [Physical problems] Fizicheskie zadachi. Moskva, Znanie, 1966. 15 p. (Novoe v zhizni, nauka, tekhnika, IX Seriya Fizika, matematika, astronomiya, no. 24)
- KOKOVIN, N.S. [Radiotelemetry of atmospheric sounding] Radiotelemekhiya zondirovaniya atmosfery. Leningrad, Gidrometeoizdat, 1966. 101 p.
- KOMSOMOL'SKAYA GIDROMETEOROLOGICHESKAYA OBSERVATORIA. [Kuibyshev Reservoir; annotated index of published and manuscript works by members of the Communist Youth League Hydrometeorological Observatory from 1957 to 1964] Kuibyshevskoe vodokhranilishche, annotirovannyi ukazatel' opublikovannykh i rukopisnykh rabot soimudkov Komsomol'skoi gidrometeorologicheskoi observatorii s 1957 po 1964 gg. Pod red. P.I. Nikulina i V.M. Shirokova. Tol'iaty, 1964. 97 p. [MICROFILM]
- KONDRAT'EV, K.I.A., E.P. BORISENKO, and A.A. MOROZKIN. [Practical use of data from meteorological artificial satellites] Prakticheskoe ispol'zovanie dannykh meteorologicheskikh sputnikov. Leningrad, Gidrometeoizdat, 1966. 375 p. illus.
- KOSTAROVA, Z.G. [Analytic geometry] Analiticheskaya geometriya, uchebnoe posobie. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t, 1965. 259 p. (Uchebnoe televidenie) [MICROFILM]
- KRUZHILIN, A.S., and Z.M. SHVEDSKAYA. [Biology of biennial plants] Biologiya dvuletnykh raslenii. Moskva, Nauka, 1966. 325 p.
- KUTSENKO, A.N., and I.U.V. RUBLEV, eds. [Problems for a general physics course] Sbornik zadach po obshchemu kursu fiziki. [By] L.G. Gur'ev i dr. Moskva, Vysshaya shkola, 1966. 407 p.
- LATIL, PIERRE DE. [Enrico Fermi. Translated from the French] Enriko Fermi. Moskva, Atomizdat, 1965. 146 p. illus. (CU)
- LEVANT, G.E., and G.A. RAITSYN. [Laboratory manual on general chemistry] Praktikum obshchei khimii. Izd. 3., perer. i dop. Moskva, Vysshaya shkola, 1966. 204 p.
- MEKHIT'EV, S.D. [Nihilos] Nilryly. Baku, Azerbaidzhanskoe gos. izd-vo, 1966. 466 p.
- of northeastern Armenia. 1964. 310 p.
- MIKHAILSON, V.S. [Elements of computer mathematics] Elementy vychislitel'noi matematiki. Izd. 2., perer. i dop. Moskva, Vysshaya shkola, 1966. 274 p.
- MIRONOV, K.L., and L.A. CHERNIKOVA. [Rare earth elements (including scandium and yttrium), a bibliography index, 1958-1962] Redkozemnye elementy (vkluchaya skandii i ittrii), bibliograficheski ukazatel' (1958-1962 gg.). Novosibirsk, Gos. publ. nauchno-tekhn. i lit-ry, 1961. 691 p.
- MOSKOVSKII INZHENERNO-FIZICHESKII INSTITUT. [Interaction between radiation and matter] Vzaimodeistviye izlucheniya s veshchestvom, sbornik statei. Pod red. A.I. Alekseeva. Moskva, Atomizdat, 1966. 178 p.
- NAGIBIN, F.F. [Extra, textbook for senior high school students] Ekstra emuny, posobie dlia uchashchikhsia atasshikh klassov. Moskva, Prosveshchenie, 1966. 119 p. (Biblioteka shkol'nika)
- NAKHIMSON, L.M. [Programmed instruction in the field of "Elements of integral calculus," textbook for technical schools] Programirovannoe obucheniye po razdelu "Elementy integral'nogo ischisleniya," posobie dlia tekhnikumov. Moskva, Uchebno-metodicheskii kabinet Mosgorovnaizhooz. Pt. 2. [The definite integral and its applications] Opredelennyi integral i ego prilozheniya. 1965. 80 p. [MICROFILM]
- NOVIKOV, G.A., ed. [Biology of forest birds and animals] Biologiya lesnykh ptits i zhivotn. [By] G.G. Doppel'man i dr. Izd. 2., ispr. i dop. [Moskva, Vysshaya shkola, 1966] 402 p.
- OB'EDINENNYI INSTITUT IADERNYKH ISSLEDOVANI. [Laboratory of nuclear reactions] Identifikation of isotopes by daughter isotopes of pion decay. Identifikatsiya izotopov po dochernim produktam protomogo raspada. [By] D.D. Bogdanov i dr. Dubna, 1967. 12 p.
- OB'EDINENNYI INSTITUT IADERNYKH ISSLEDOVANI. [Laboratory of nuclear physics] Neutron resonances of bismuth isotopes. Neitronnye rezonansy izotopov svin'ta. [By] E.N. Kazhvin, A.B. Popov, I.U.S. Uzyvitskii. Dubna, 1967. 33 p.
- OB'EDINENNYI INSTITUT IADERNYKH ISSLEDOVANI. [Laboratory of theoretical physics] [Model of quasi-independent quarks] O modeli kvazinezavisimyykh kvar'kov. [By] P.N. Bogolubov. Dubna, 1967. 29 p.
- OGNEV, I.IA. [Analytic geometry on a plane, textbook for students of the Faculty of Mechanization of Agriculture of the Novosibirsk Agricultural Institute] Analiticheskaya geometriya na ploskosti, uchebnoe posobie dlia studentov fakul'teta mekhanizatsii sel'skogo khozaystva NSKII. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 110 p.
- OPARIN, A.I. [Origin and initial development of life] Vozniknoveniye i nachal'noe razvitiye zhizni. [Moskva, Meditsina, 1966] 202 p.
- PARAMONOV, A.A. [Modern problems of the theory of evolution] Sovremennyye problemy evolyutsionnoi teorii. Moskva, Znanie, 1967. 31 p. (Novoe v zhizni, nauka, tekhnika. VIII Seriya: Biologiya, no. 1)
- PETERSONS, J. [Operator working in fine organic synthesis] Snaikas organicheskii sledzace aparatstradniks. Riga, Zvaigzne, 1966. 380 p. [In Latvian]
- PETROV, G.M. [Summary of lectures in the course "Theory, calculation and design of electronic analog computers"] Konspekt teksta po kursu "Teoriya, raschet i proektirovaniye elektronnykh analogovykh vychislitel'nykh mashtn." Moskva, Mosk. aviatsionnyi in-t. Sergo Ordzhonikidze. Pt. 1. Rakhmanov, V.F., ed. [Linear blocks and computer devices for solving ordinary differential equations] Lineynye bloki i ustroystva vychislitel'nykh mashtn dlia resheniya obyknovennykh differentsial'nykh uravnenii. 1965. 129 p. [MICROFILM]
- PETROVSKII, K.S. [Fundamentals of rational nutrition] Osnovy ratsional'nogo pitaniya. Moskva, Znanie, 1966. 47 p. (Narodnyi universitet Fakul'tat zdorov'ya, no. 23)
- FIGULEVSKII, S.V. [Poisonous animals; toxicology of vertebrates] Iadovitye zhivotnye; toksikologiya pozvochnykh. [Leningrad] Meditsina, 1966. 385 p.
- POLIAKOVA, A.A., and P.A. KHMEL'NITSKII. [Introduction to the mass spectrometry of organic compounds] Vvedeniye v mass-spektrometriyu organicheskikh soedinenii. Pod red. A.A. Petrova. Moskva, Khimiya, 1966. 202 p.

POPKINS, J. [Chemical elements in nature and medicine] Khimicheskiye elementy v prirode i meditsine. Riga, Zvezd, 1966, 60 p. [In Latvian]

RAMM, V.M. [Aborption of gases] Absorbtion gazov. Moscow, Khimika, 1966, 107 p.

RIACHIKOV, D.I., and V.A. DABUKHIN. [Analytical chemistry of rare earth elements and yttrium] Analiticheskiye metody razlozheniya elementov i tsifrovaya analiza. Moscow, Nauka, 1966, 110 p. (Seria "Analitycheskiye metody elementov")

ROZENFELD, A.S., and H.I. JAKHINSON. [Transients and generalized functions] Perelomnye protsessy i obshchennyye funktsii. Moscow, Nauka, 1966, 140 p.

RUSIN, N.P. [The heat balance of our planet] Teplovoy balans nahei planety. Moscow, Znanie, 1967, 63 p. (Novoe v zhizni, nauka, i tekhnika. XII seriya: Nauka o Zemle, no. 1)

SAVICH, I.S. [Animal blood analysis] Zhivotnicheskoye krov'. Moscow, Vysshaya shkola, 1966, 501 p.

SIBIROVSKAYA, K.V., and V.G. KULAGIN. [Variational series and their characteristics. The selective method, lecture in a course of higher mathematics with the fundamentals of mathematical probability. Themes I and II] Variatsionnyye seriy i ikh kharakteristiki. Vychislitelnyye metody i ikh primeneniye v matematicheskoy teorii veroyatnostey i statistike. Temy I i II. [Moscow] Profizdat, 1966, 76 p. [MATEMATIKA]

SIBIRSKIKOV, B.N., and V.R. MALAKHOVSKII. [Short course in analytic geometry] Kratkii kurs analiticheskoy geometrii. Tomsk, Izd-vo Tomskogo univ., 1966, 300 p.

SILIN, A.M. [Macromolecular compounds] Vysokomolekulyarnyye soedineniya. Moscow, Vysshaya shkola, 1966, 502 p.

SHVARTS, I.M. [Boron and its compounds] Bor i ego soedineniya. Izv. Znanie, 1966, 24 p.

SOVESHCHANIYE PO PIONERAM UPRAVLENIYA MOXIO BOKSHIYA (BOR) I IZM. POPIYATSIYA, 1965. [Bismuth and bismuthates in superconductivity, superconductivity and biological effects of bismuth compounds, bismuth, bismuthates]. Moscow, Nauka, 1967, 333 p.

STADYER, W.P. [Hendry Grotthaus, 1765-1822] Tselnyy otzov, 1765-1822. Moscow, Nauka, 1966, 182 p.

STROGACHEV, A.D., and B.G. SVETITSKIY. [Tables of the spectral lines of neutral and ionized atoms: H, He, Li, C, N, O, F, B, Na, Mg, Al, Si, Cl, Ar, K, Ca, Ti, Fe, Cu, Kr, Xe, Cs] Tablitsy spektralnykh liniy neytralnykh i ionizirovannykh atomov: H, He, Li, C, N, O, F, B, Na, Mg, Al, Si, Cl, Ar, K, Ca, Ti, Fe, Cu, Kr, Xe, Cs. Moscow, Atomizdat, 1966, 196 p.

TERNITSEV, A.P. [Organic analysis, selected works] Organicheskiy analiz; izbrannyye trudy. [Moscow] Izd-vo Mosk. univ., 1966, 402 p.

TERLOVSKO, T.I. [Biomembranes of viruses] Biokhimicheskiye membrany. Moscow, Meditsina, 1966, 291 p.

TRANKVELLATI, N.N. [Vital activity of the human body] Zhiznennyye funktsii cheloveka. Moscow, Znanie, 1966, 21 p. (Natsionalnyy universitet. Fakultet zdrav'ya, no. 24)

[TUMORS AND SURVIVAL OF U.S.S.R.] Detsiya i zhiznennyye funktsii. [By] N.A. Korolova i dr. Moscow, Mysl', 1966, 637 p. (Spetsialnaya opredelitel'noy geografiya i putestvennykh)

TUSHINSKI, G.K. [Space and the natural rhythms of the earth] Kosmos i priroda Zemli. Moscow, Prosveshchenie, 1966, 116 p. (Novoe v nauke)

VASILEV, B.F. [Chemical flow] Khimicheskiy sveshchenie. Moscow, Znanie, 1967, 47 p. (Novoe v zhizni, nauka, i tekhnika. XII seriya: Khimika, no. 1)

VIKHITSEV, E.G. [Collection of problems on electro-dynamics] Sbornik zadach po elektrodinamike. Moscow, Vysshaya shkola, 1966, 267 p.

VERZILIN, N.M., and V.M. KORSUNSKAYA. [General methodology of teaching biology, a manual for students of pedagogical institutes] Obshchaya metodika podgotovki biologov, uchebnoye posobie dlya studentov pedagogicheskikh institutov. Moscow, Prosveshchenie, 1966, 382 p.

VITKEVICH, V.I. [Agricultural meteorology] Sel'skokhozyaistvennaya meteorologiya. Izd. 2., perer. Moscow, Kolos, 1966, 362 p. (Uchebnyi i uchebnyy posobie dlya vysshikh sel'skokhozyaistvennykh uchebnykh zavedeniy) (DNLM)

VORONISOV-VIL'AMINOV, B.A. [Advances in Soviet astronomy, 1917-1967] Uspekhi sovetskoy astronomii (1917-1967). Moscow, Znanie, 1967, 31 p. (Novoe v zhizni, nauka, i tekhnika. IX Seriya: Fizika i astronomiya, no. 1)

VSP'SOIUZNAIA KONFERENTSIYA PO TFORII OBOLOCHIEK I PLASTINOK, 6th, Baku, 1966. [Proceedings of the Sixth All-Union Conference on the Theory of Shells and Plates] Trudy, Moscow, Nauka, 1966, 1015 p.

VSP'SOIUZNOE OBSHCHESTVO GEL'MINTOLOGOV. [Materials for a scientific conference of the All-Union Helminthological Society, December, 1965] Materialy k nauchnoi konferentsii Vsesoiuznogo obshchestva gel'mintologov, dekabr' 1965 g. Moscow, Pt. 3, 1965, 286 p.

VSP'SOIUZNYI S'VEZD ANATOMOV, GISTOLOGOV I EMBRIOLOGOV, 7th. [Abstracts of reports of the All-Union Congress of Anatomists, Histologists and Embryologists] Tezisy. Tbilisi, Metsnereba, 1966, 463 p.

ZHELIGOVSKAYA, N.N., and I.I. CHERNIAEV. [Chemistry of complex compounds] Khimika kompleksnykh soedineniy. Moscow, Vysshaya shkola, 1966, 387 p.

ZHUKOV-VEREZHNIKOV, N.N. [Theory of genetic information, a theoretical and experimental essay] Teoriya genicheskoi informatsii, teoreticheskiy i eksperimentalnyy ocherk. Moscow, Mysl', 1966, 310 p.

ZHURAVLEV, V.A. [Physics] Fizika. Izd. 2., ispr. i dop. Kiev, Zdorov'ya, 1966, 527 p.

ZINOVA, A.D. [Guide to the green, brown and red algae in southern seas of the U.S.S.R.] Opredelitel' zelenykh, brykh i krasnykh vodorosel iuzhnykh morei SSSR. Moscow, Nauka, 1967, 396 p.

## 14. MEDICINE

ABRAMOVICH, K.G. [Functional diagnosis of cardiopulmonary insufficiency in pneumoniosis; methods of examining functions of respiration and blood circulation in patients with pneumoniosis] Funktsional'naya diagnostika legchno-serdchnoi nedostatochnosti pri pnevmokoniozakh, metody issledovaniya funktsii dykhaniya i krovoobrashcheniya u bolnykh pnevmokoniozami. Moscow, Meditsina, 1966, 82 p. (Biblioteka prakticheskogo vracha) (DNLM)

ADZHIMOLLAEV, A.A. [Primary tumors of the bones] Perichnye opukholi kostei. Tashkent, Meditsina, 1966, 32 p. illus. (DNLM)

AKADEMIYA MEDITSINSKIKH NAUK SSSR. Institut eksperimental'noi meditsiny. [Role of deep structures of the human brain in the mechanisms of pathological reactions, materials for a symposium, June 10-12, 1965] Rol' glubokikh struktur golovnoy mozga cheloveka v mekhanizmax patologicheskikh reatsiy; materialy k simpoziumu, 10-12 iunya 1965 g. Leningrad, 1965, 120 p. (DNLM)

AKADEMIYA MEDITSINSKIKH NAUK SSSR. Institut eksperimental'noi patologii i terapii. [Pathogenesis, clinical aspects, and treatment of acute radiation sickness in experiments with apes, materials of an all-Union symposium] Patogeneza, klinika i lechenie ostroy tuchoy bolezni v opyakh na obez'yanakh, materialy Vsesoiuznogo simpoziuma. Pod red. B.A. Lapina. Sukhumi, Alashara, 1964, 76 p. (DNLM)

AKADEMIYA NAUK URSR. Institut ilizologii. [Cytology in modern medicine] Tsihtologiya v sovremennoi meditsine. Kiev, Zdorov'ya, 1966, 234 p. (Articles dedicated to the 120th anniversary of I.I. Mechnikov's birth) Sbornik rabot, posvyashchennykh 120-letiyu so dnya rozhdeniya I.I. Mechnikova. 1966, 234 p. (DNLM)

ALEKSANDROV, G.N. [Pathogenesis and conservative treatment of hemorrhoids] Patogeneza i konservativnoye lechenie gemorroidov. 2. Izd. Tashkent, Izd-vo "Meditsina" UzSSR, 1966, 86 p. (DNLM)

AMBROS, MARJA. [Education of children through the eyes of a doctor] Lastkasvatuvet arsti pilupa 2. parandatud ja talendatud tuiuk. Tallinn, Valgus, 1966, 217 p. [In Estonian] (DNLM)

ARONS, KARLIS. ["Thaumaturgists"] "Brinundari." Riga, Liesma, 1966, 69 p. [In Latvian]

ASHMARIN, I.I. [Practical medical microbiology] Prakticheskaya meditsinskaya mikrobiologiya, rukovodstvo. 2. izd., ispr. i dop. Tashkent, Meditsina, 1966, 323 p. (DNLM)

BAIMAKANOVA, S.SH. [Cancer of the larynx] Rak gortani. Alma-Ata, "Kazakhstan", 1966, 26 p. (DNLM)

BAIMAKANOVA, S.SH., and M.K. MUSAGALIEV. [Prevention of cancer of the oral cavity and tongue] Profilaktika i aka polost' ria i lazyka. Alma-Ata, "Kazakhstan", 1966, 22 p. (DNLM)

BAKHADYROV, K.B. [Clinical significance of enzymatic indices of the intestine in some of its diseases] Klinicheskoye znachenie fermentnykh pokazatelei klinicheskoy pri nekotorykh ego zabolevaniyakh. Pod red. E.I. Atkhanova. Tashkent, Meditsina, 1966, 118 p. (DNLM)

BALITSKII, K.P., A.L. VORONTOVA, and A.M. KARPUKHINA. [Medicinal plants in the treatment of malignant tumors] Lekarstvennye rasteniya v terapii zlokachestvennykh opukholi. Kiev, Zdorov'ya, 1966, 230 p. (DNLM)

BELEN'KII, M.S., B.P. TURKO, and G.I. SHIL'BERG. [Health resorts of the Odessa region] Zdravnyit Odesskogo kraortnogo talona. Izd. 2., ispr. i dop. Kiev, Gos. med. izd-vo USSR, 1966, 109 p. (MICROFILM)

BERNSHTEIN, V.A. [Alcoholism and its sequelae] Al'golizm i ego posledstviya. Izd. 2. Moscow, Meditsina, 1966, 22 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

[BILAL, V.I. [Life dedicated to people; on the centenary of the birth of Academician D.K. Zabolotnyi] Zhizn' vidana ljudimi; do 100-richieha z dnya narodzhennya akademika D.K. Zabolotnogo. Kyiv, Naukova dumka, 1966, 79 p. (Nauchno-popul'naya literatura)]

BODIAZHINA, V.I., ed. [Essays on the physiology of the fetus and the newborn infant] Ocherki po fiziologii ploda i novorozhdenogo. Moscow, Meditsina, 1966, 310 p. (DNLM)

BOGDANOV, I.L. [Immune gamma globulins in the treatment and prevention of infectious diseases] Imunnyye gamma-globuliny v terapii i profilaktike infektionnykh boleznei. Kiev, Zdorov'ya, 1965, 160 p. (DNLM)

BRYZGALOVA, O.K. [Tuberculosis is curable] Turkulez izlechim. Moscow, Meditsina, 1966, 22 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)

CHAKLIN, A.V. [Geography of malignant tumors] Geografiya zlokachestvennykh opukholi. Moscow, Znanie, 1966, 46 p. (Novoe v zhizni, nauka, i tekhnika. VII Seriya: Biologiya i meditsina, no. 24)

CHAMOKOVA, E.F. [Angiocolicystitis in children] Angiokoleistsitit u detei. Moscow, Meditsina, 1966, 278 p. (Biblioteka prakticheskogo vracha) (DNLM)

- CHERKASSKII, B. L. [Tables] *Bezhensivo* Moskva, Meditsina, 1966 19 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- [DIABETES MELLITUS AND DISEASES OF THE EYES] Sakharnyi diabet i zabolevaniya glaz. [By] M. G. Margolis i dr. Moskva, Meditsina, 1966. 172 p. (Biblioteka prakticheskogo vracha) (DNLM)
- D'ACHENKO, V. A. [X-ray diagnosis of diseases of the internal organs, manual for doctors and students] Rentgenodiagnostika zabolevaniy vnutri ennih organov, rukovodstvo dlia vrachei i studentov 2 izd., dop. Moskva, Meditsina, 1966 504 p. (DNLM)
- [ELECTRONOCOSIS IN SURGERY] Elektronarkoz v khirurgii [By] M. I. Kuzlin i dr. Tashkent, Meditsina UzSSR, 1966 182 p. (DNLM)
- ENGEL'TALEH, E. S. [High calling, essays on people of a noble and restless profession] Vysokoe pizvanie, ocheiki o ludiakh blagoi odnoi i bespokoinoi profesii Riga, Liesma, 1966. 148 p.
- FEDOTOV, D. D. [Sleep and its disorders] Son i ego razstroistva. Moskva, Meditsina, 1966 54 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- GERKE, R. P. [Hypnosis and suggestion] O gipnoze i vnushenii. Riga, Zinatne, 1966. 74 p. (DNLM)
- GOR'KOVSKII NAUCHNO-ISSEDOVAT'SKII INSTITUT TRAVMATOLOGII I ORTOPEДИ. [Problems of traumatology and orthopedics, materials for an out-of-town scientific conference] Voprosy travmatologii i ortopedii, materialy k vyezdnoi nauchnoi konferentsii Gor'kii, 1963 238 p. (DNLM)
- GRANAT, N. E. [After effects of abortion] Posledstviya aborta. Moskva, Meditsina, 1966. 31 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- GRUBANOV, Z. D. [All-Russian congresses of deputations of public health and their significance for the practice of Soviet public health] Vserossiiskie s'ezdy zdavotseioy i ikh znachenie dlia praktiki sovetskogo zdoravookhraneniia Moskva, Meditsina, 1966. 191 p.
- GUSKOVA, A. K. [Radiation and health] Radiatsiia i zdorov'e. Moskva, Meditsina, 1966. 46 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- [HANDBOOK FOR DOCTORS OF POLYCLINICS] Poliklinika i sli teatnik. Tallinn, Valgus, 1966. 497 p. [In Estonian] (DNLM)
- INSIAKOV, L. N. [Cancer of the rectum] Rak priamoi kisiki. Alma-Ata, "Kazakhstan," 1966. 10 p. (DNLM)
- ISABEKOV, A. I. [How to prevent cancer of the lower and upper lip] Kak predupedit' rak nizhnei i verkhnei губы. Alma-Ata, "Kazakhstan," 1966. 24 p. (DNLM)
- KARPUKIN, V. T. [Restoration of the urethra by means of homotransplant] Vostanovlenie uretry s pomoshch'iu gomoti anspantata. Moskva, Meditsina, 1966. 154 p. (DNLM)
- KHVEDELIDZE, G. V. [Mikhail Gedeonishvili; life, medical and research and public activity Mikhail Gedeonishvili; zhizn', vrachebno-nauchnaya i obshchestvennaya deiatel'nost']. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR 1966. 173 p. [In Georgian] (DNLM)
- KIRGIZSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Some results of scientific studies during 25 years] Nekotorye itogi nauchnykh issledovaniy za 25 let, sbornik rabot. Frunze, "Kyrgyzstan," 1964. 165 p. (DNLM)
- KRISTINE-JAUNBRUNE, J. [Growing medicinal plants] Aizintchias augu audzesana Riga, Liesma, 1966. 72 p. [In Latvian] (DNLM)
- KOLESOV, V. I., ed. [Surgical treatment of coronary heart disease] Khirurgicheskoe lechenie koronarnoi bolezni serdtsa [Leningrad] Meditsina, 1966. 260 p. (DNLM)
- KRELIN, I. U. Z. [Seven days a week, notes of a surgeon] Sem' dnei v nedelju, zapiski khirurga. Moskva, Sov. Rossiia, 1967. 165 p.
- LATVIJAS PADOMIU SOCIALISTIKAS REPUBLIKAS ZINATNAS AKADEMIJA Mikrobiologijas instituts [Vhuses in oncology] Vhuusy v onkologii Riga, Zinatne, 1966 353 p. (DNLM)
- LITVINENKO, A. T. [Auscultation and phonocardiography in congenital heart defects] Auskultatsiia i fonokardiografii pri vrozhdennykh porokakh serdtsa. Kiev, Zdorov'ia, 1966. 118 p. (DNLM)
- LIVANOV, M. N., and V. M. ANAN'EV. [Electroencephalography] Elektroentsfaloskopiia. Moskva, Medgiz, 1959. 106 p. illus. (ICJ)
- LOKHMANENKO, V. A. [From animals to man] Ot zhivotnykh cheloveku. Moskva, Meditsina, 1966. 53 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- LUK'ANOV, V. S. [Work and health] Trud i zdorov'e Moskva, Znanie, 1967 41 p. (Nauchnyi universitet: Fakul'tet zdorov'ia, no 1)
- L'VOVSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Problems of neuropathology and psychiatry; abstracts of reports presented at a scientific conference, February 1-3, 1967] Voprosy nevropatologii i psikhatrii; knaiko soderzhanie dokladov nauchnoi konferentsii, 1-3 fevralia, 1967 g. L'vov, 1968 289 p. (DNLM)
- MAKUMOV, D. N., and I. A. AGZAMKHODZHAEV. [X-ray diagnosis of diseases of the biliary tract] Rentgenodiagnostika zabolevaniy zhelechnykh putei. Tashkent, Meditsina, 1966. 116 p. illus. (DNLM)
- MAREI, M. R., and A. O. POCHTAR'OV. [Laboratory manual of orthopedic stomatology; introductory course] Praktikum z ortopedichnoi stomatologii; propovedychnyi kurs. Kyiv [Deizhmedvydav URSR] 1964. 123 p. (DNLM)
- MARZEV, A. N. [Notes of a public health physician] Zapiski sanitarnogo vracha. Kiev, Zdorov'ia, 1965. 174 p.
- [MEDICAL RESEARCH DATA ON PROBLEMS OF STRENGTH IN TRAINING ATHLETES] Voprosy sisslovi podgolovki sportsmenov po dannym viachebnykh issledovaniy Moskva, Fizkul'tura i sport, 1965. 194 p. (DNLM)
- MELENETS, I. V. [Measles and its prevention] Kor' i ee preduprezhdenie Moskva, Meditsina, 1965. 18 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- MEZHENNA, E. P. [Cerebral spastic paralysis and their treatment] TSerebral'nye spasticheskie paralich i ikh lechenie. S predisl. i pod red. M. N. Goncharova Kiev, Zdorov'ia, 1966. 224 p. (DNLM)
- MEZHINSTITUTSKAIA KONFERENTSHA MOLODYKH UCHENYKH, 5th. [Current problems of clinical roentgenology and radiology; reports] Aktual'nye voprosy klinicheskoi rentgenologii i radiologii, doklady. Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii in-t, 1965. 338 p. [DNLM MICROFILM]
- MEZHINSTITUTSKAIA NAUCHNAYA KONFERENTSHA PAMIATI L. A. TARASEVICHIA, 1965. [Materials of the Interinstitute Scientific Conference in Memory of L. A. Tarasevich; studies, vaccines, sera and antibiotics] Materialy, shtammy, vaktsiny, syvorotki i antibiotiki. Moskva, Gos. kontrol'nyi in-t med. biologicheskikh preparatov, 1965. 365 p. [DNLM MICROFILM]
- MIROTVORTSEV, S. R. [Selected chapters] Izbrannye glavy. Pod red. K. S. Mirotvortseva. [Leningrad] Meditsina, 1966. 389 p. (DNLM)
- MOROZHIN, N. I. and others. [Adenovirus infections] Adenovirusnyi zakhoivaniia. Kyiv, Zdorov'ia, 1964. 113 p. illus. (Biblioteka prakticheskoi literatury) (DNLM)
- [MULTIVOLUME MANUAL ON INTERNAL DISEASES] Mnogotomnoe rukovodstvo po vnutri ennim boleznam. [Leningrad] Meditsina Vol. 7. Baianov, V. G., ed. [Diseases of the endocrine system] Bolezni i endokrinnoi sistemy. 1966 673 p. (DNLM)
- [MULTIVOLUME MANUAL ON PATHOLOGICAL PHYSIOLOGY] Mnogotomnoe rukovodstvo po patofiziologii fiziologii. Otv. red. N. N. Sitotin. Moskva, Meditsina. Vol. 4. Leites, S. M., and S. M. Pavlenko, eds. [Pathological physiology of the digestive system, liver, endocrine and nervous systems] Patofiziologicheskaya fiziologiya pishchevaya itel'noi sistemy, pecheni, endokrinnoi i nervnoi sistemy. 1966. 548 p. (DNLM)
- [MULTIVOLUME MANUAL ON THE MICROBIOLOGY, CLINICAL ASPECTS AND EPIDEMIOLOGY OF INFECTIOUS DISEASES] Mnogotomnoe rukovodstvo po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei. Moskva, Meditsina. Vol. 10. Sludnitsin, A. A., ed. [Historical essay on the microbiology, epidemiology and clinical aspects of infectious diseases, mycoses and diseases of unexplained etiology] Istoricheski ocheiki mikrobiologii, epidemiologii i kliniki infektsionnykh boleznei, mikro i bolezni s nevyasnennoi etiologiie. Red. kollegiia X toma A. M. Arsvich 1 dr. 1966. 604 p. (DNLM)
- NAUCHNAIA KONFERENTSHA PO PROBLEME "FIZIOLOGII I PATOLOGIIA KORTIKO-VISERUAL'NYKH VZAIMOOTNOSHENII I FUNKTSIONAL'NYKH SISTEM ORGANIZMA" [Materials of the Scientific Conference on the Problem "Physiology and Pathology of Corticovisceral Correlations and Functional Systems of the Body"] Materialy. Ivanovo, In-t fiziologii AN SSSR. Vols. 1-2. 1965. 2 v.
- NEMEROVSKII, L. I., R. I. GOROKHOVSKAIA, and K. M. FEDERMESSER. [Analgesia and antianalgesia using the NAPP apparatus, handbook for use in practice] Analgezii i antanalgezii apparatu NAPP, prakticheskoe rukovodstvo. Moskva, Meditsina, 1966. 85 p. (Biblioteka prakticheskogo vracha) (DNLM)
- ORNSHTEIN, E. G. [Fractures of the radius at the classical place] Perelomy luchevoi kosti v klassicheskom meste. Kishinev, Karla Moldovenaske, 1966. 118 p. (DNLM)
- OSTAPCHUK, I. F., and E. N. BRUDNAIA. [Methods for the functional research on the cardiovascular system] Metody funktsional'nykh issledovaniy serdchno-sosudistoi sistemy. Kiev, Zdorov'e, 1964. 221 p. (DNLM)
- OSTAPIUK, L. S., and T. S. PEVZNER. [Care for the neuropsychic patient at home] Ukhod za nervno-psikhicheskim bol'nym v domashnikh usloviakh. Moskva, Meditsina, 1966. 35 p. (Nauchno-popul'naya meditsinskaya literatura) (DNLM)
- PERVYI MOSKOVSKII MEDITSINSKII INSTITUT. [Methodological elaborations of practical studies of obstetrics and gynecology on therapeutic and sanitary-hygienic facilities] Metodicheskie razrabotki prakticheskikh zaniatii po akusherstvu i ginekologii na techeniia i sanitarno-gigienicheskoi fakul'tetakh. Moskva, 1966. 160 p. (DNLM)
- PETCHENKO, A. I. [Gynecology, manual for doctors and students] Ginekologiya; rukovodstvo dlia vrachei i studentov. Izd. 2., ispr. i dop. Kiev, Zdorov'ia, 1965. 618 p. (DNLM)
- PETROV-MASLAKOV, M. A., and I. I. KLIMETS. [Perinatal mortality] Perinatal'nai smertnost' [Leningrad] Meditsina, 1965. 217 p. (DNLM)

- POLIKANDIA, R. I. [Development of the higher nervous activity in premature infants during the early period of their life] *Razvitiye vysshej nervnoj deyatelnosti u nedonošennykh detej v rannem periode zhizni* [Leningrad] Meditsina, 1966. 246 p. (DNLM)
- POPELIANSKII, I. A. [Cervical osteochondrosis, compression and reflex syndromes] *Shchinyi osteokhondroz, kompressionnye i reflektivnyye sindromy*. Moskva, Meditsina, 1965. 283 p. (DNLM)
- POZDNUKHOV, L. G. [Sarcomas] *Sarkomy*. Alma-Ata, "Kazakhstan," 1966. 36 p. (DNLM)
- POZDNUKHOV, L. G., and V. A. RASPOKOMAREVA. [Cancer of the breast] *Rak molochnoi zhelezy*. Alma-Ata, "Kazakhstan," 1966. 36 p. (DNLM)
- PUZIK, V. I. [Immunomorphological problems in tuberculosis] *Problemy immunomorfologii tuberkuleza*. Moskva, Meditsina, 1966. 179 p. (DNLM)
- ROZENTUL, M. A. [Prevention of venereal diseases] *Preduprezhdeniye venericheskikh zabolevaniy*. Moskva, Meditsina, 1966. 37 p. (Nauchno-populjarnaja meditsinskaja literatura) (DNLM)
- RYBAKOV, A. I., G. M. IVASHCHENKO, and T. M. LUR'E, eds. [Manual on stomatology] *Spravochnik po stomatologii*. Moskva, Meditsina, 1966. 318 p. (DNLM)
- SAFONOV, A. G., ed. [Textbook for the training of nurses] *Uchebnoe posobie dlia podgotovki meditsinskikh sester*. Moskva, Meditsina, 1966. 471 p. (DNLM)
- [SANATORIUM AND HEALTH RESORT TREATMENT OF CARDIOVASCULAR DISEASES, materials for an international scientific and practical conference to be held September 28-30, 1965] *Santorno-kurortnoe lechenie serdechno-sosudistykh zabolevaniy*, materialy k mezhdunarodnoj nauchno-prakticheskoj konferencii 28-30 sentjabrja 1965 goda. Chita, Chitinskij gos. med. in-t, 1965. 124 p. (DNLM)
- SHAMSEV, S. S. [Clinical electrocardiography in children] *Klinicheskaja elektrokardiografiya u detej*. Tashkent, Meditsina, 1966. 217 p. (DNLM)
- SHUKHARDIN, V. N. [Forest drugstore, wild-growing medicinal plants] *Lesnaja apteka, dikorastushchie lekarstvennye rastenija*. Izd. 2. Perm', Permskoe knizhnoe izd-vo, 1966. 147 p. (Priroda Permskoi oblasti) (DNLM)
- SMIRNOV, V. A. [Skin tumors and their prevention] *Opukholi kozhi i ikh profilaktika*. Alma-Ata, "Kazakhstan," 1966. 37 p. (DNLM)
- SMIRNOV, V. A. [Treatment and prevention of disorders of cerebral blood circulation] *Lechenie i profilaktika rassilivstv mozgovogo krovoobrashchenija*. Moskva, Meditsina, 1966. 234 p. (Biblioteka prakticheskogo vracha) (DNLM)
- SOBOLEVA, V. D., and Z. L. KRUGLIKOVA. [Clinical X-ray diagnosis of pulmonary lesions in respiratory infections in children] *Kliniko-radiologicheskaja diagnostika tegochnykh porazhenij pri respiratornykh infektsiyakh u detej*. Moskva, Meditsina, 1966. 177 p. (DNLM)
- SOCHINSKII NAUCHNO-ISSEDOVATEL'SKII INSTITUT KURORTOLOGII I FIZIOTERAPII. [Materials of a scientific report session on the results of scientific works in 1963-1964 (February-May 1965)] *Materialy nauchno-otchetnoj sessii po itogam nauchnykh rabot za 1963-1964 gg. (fevral'-maj 1965 goda)*. Sochi, 1965. 267 p. (DNLM MICROFILM)
- SREDNE-AZIATSKII NAUCHNO-ISSEDOVATEL'SKII PROTIVOCHUMNYI INSTITUT. [Materials of a scientific conference on natural foci and prevention of plague, February 1963] *Materialy nauchnoj konferentsii po prirodnoj oshagovosti i profilaktike chumy, fevral' 1963 g.* Otv. red. M. A. Aikimbaev. Red. O. V. Aranas'eva i V. P. Khrusitsel'skij. Alma-Ata, 1963. 290 p. (DNLM MICROFILM)

- [STIMULATION OF REGENERATIVE PROCESSES] *Stimulirovaniye regenerativnykh protsessov* [By] Z. N. Zaprudskaja (dr. Moskva, Meditsina, 1966. 93 p. (Biblioteka prakticheskogo vracha) (DNLM)
- STRUCHIKOV, V. I., and A. V. GRIGORIAN. [Tumors of the lungs, diagnosis and surgical treatment] *Opukholi legkih, diagnostika i khirurgicheskoe lechenie*. Moskva, Meditsina, 1964. 333 p. (DNLM)
- STUDENIKIN, M. A., ed. [Care, feeding and training of the infant during the first year of life, manual for nurses and midwives] *Ushod, vskarmlivaniye i vospitanie rebenka pervogo goda zhizni, posobie dlia meditsinskikh sester i akusherok* [By] M. A. Studenikin (dr. Moskva, Meditsina, 1966. 237 p. (Biblioteka sredi nego meditsinov) (DNLM)
- TARTAKOVSKAJA, A. I. [Prevention of eye lesions] *Profilaktika povrezhdenij glaz*. Moskva, Znanie, 1967. 28 p. (Natsionalnyy universitet "Fakultet zdorov'ja, no. 2)
- TIAPUGIN, N. P. [Stammering] *Zakanie*. Izd. 1, perel. i dop. Moskva, Meditsina, 1966. 154 p. (Biblioteka prakticheskogo vracha) (DNLM)
- TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII RENTGENO-RADIOLOGICHESKII INSTITUT. [Problems of radiobiology and clinical roentgenoradiology. Report session, content of reports, June 15-17, 1966] *Voprosy radiobiologii i klinicheskoi rentgeno-radiologii. Otkluchnaia nauchnaja sessiya, soderzhashie doklady 15-17 iyunja 1966 g.* Leningrad, 1966. 114 p. (DNLM)
- UGLOV, F. G., V. P. PUGLEEVA, and A. M. IAKOVLEVA. [Complications in intrathoracic operations] *Oslozhneniya pri vnutrigrudnykh operatsiyakh*. [Leningrad] Meditsina, 1966. 442 p. (DNLM)
- UKRAINSKAIA NAUCHNO-PRAKTICHESKAIA KONFERENTSIYA KHIRURGOV DETSKOGO VOZRASTA, 2d. [Surgery, traumatology and orthopedics in childhood, transactions] *Khirurgiya, travmatologiya i ortopediya detskogo vozrasta, itudy*. Kiev, Zdorov'ja, 1965. 272 p. (DNLM)
- VAINSHTEIN, E. S. [Cataract] *Katarakta*. Moskva, Meditsina, 1966. 14 p. (Nauchno-populjarnaja meditsinskaja literatura) (DNLM)
- VERBOV, A. F. [Fundamentals of therapeutic massage] *Osnovy lecheninogo massazha*. Izd. 5. perel. i dop. Moskva, Meditsina, 1966. 303 p. (DNLM)
- VIKILIAEVA, E. M. [Climacteric syndrome and its treatment] *Klimaktericheskiy sindrom i ego lechenie*. Moskva, Meditsina, 1966. 137 p. (Biblioteka prakticheskogo vracha) (DNLM)
- VINOGRADOV, I. V., and A. S. GUREEV. [Laboratory examinations in the practice of forensic medicine; reference book] *Laboratornye issledovaniya v praktike sudobnomeditsinskoi ekspertizy, spravochnoe posobie*. Moskva, Meditsina, 1966. 234 p. (DNLM)
- VOROSHILOVA, M. K. [Immunology, epidemiology and prevention of poliomyelitis and analogous diseases] *Immunologiya, epidemiologiya i profilaktika poliomielita i skhodnykh s nim zabolevaniy*. Moskva, Meditsina, 1966. 438 p. (DNLM)
- ZAKHIVATKINA, I. A. [What can be expected from the microscopic study of tumors] *Chto daet mikroskopicheskoe izuchenie opukholi*. Alma-Ata, "Kazakhstan," 1966. 27 p. (DNLM)
- ZASUKHIN, D. N., ed. [Diagnosis of toxoplasmosis] *Diagnostika toksoplazmoza*. Moskva, Meditsina, 1966. 160 p. (Biblioteka prakticheskogo vracha) (DNLM)
- ZHMAKIN, K. N. [Clinical lectures on gynecology] *Klinicheskie lektsii po ginekologii*. [Leningrad] Meditsina, 1966. 333 p. (DNLM)
- ZHUKOV-VEREZHNIKOV, N. N., I. K. MUSABAEV, and N. K. ZAV'IALOVA. [Clinical aspects, treatment and prevention of cholera] *Klinika, lechenie i profilaktika kholeiry*. Tashkent, Meditsina, 1966. 436 p. (DNLM)

- ZHUKOVA, M. N., B. V. KLIUCHAREV, and V. I. ROZHDESTVENSKIY. [Surgical diseases of the kidneys and ureters] *Khirurgicheskoe zabolevanie pochek i mochetochnikov*. [Leningrad] Meditsina, 1965. 506 p. (DNLM)

## 15 AGRICULTURE

- [ABC'S OF A FRUITGROWER, in questions and answers] *Azbuka sadovoda, v voprosakh i otvetakh*. Moskva, Kolos, 1966. 366 p. (DNAL)
- AKADEMIYA NAUK SSSR. Dal'nevostochnyy filial. Biologo-pochvennyy institut. [Harmful forest insects in the Soviet Far East] *Vrednye nasekomye lesov sovetskogo Dal'nego Vostoka*. Vladivostok, Akad. nauk SSSR, 1966. 184 p. (DNAL)
- AKADEMIYA NAUK SSSR. Institut geografiy. [Genesis and geography of soil, on the sixtieth birthday of Academician Innokentiy Petrovich Gerasimov] *Genesis i geografiya pochvy, k shesidesyatiy letniyu akademika Innokentiya Petrovicha Gerasimova*. Moskva, Nauka, 1966. 266 p. (DNAL)
- AKADEMIYA NAUK SSSR. Sibirskoe otdeleniye. Institut lesa i drevosinnyy. [Abstracts of reports for a scientific conference on forest soil research, July 15-20, 1963] *Tezisy dokladov k nauchnoj konferentsii po lesnomu pochvoedeniyu (15-20 iyulia 1963 g.)*. Krasnoyarsk, 1965. 215 p. (MICROFILM)
- AKADEMIYA NAUK SSSR. Sibirskoe otdeleniye. Institut tsitologii i genetiki. [Experimental polyploidy in plant breeding] *Ekspirimental'naya poliploidiya v selektsii rasteniy*. Novosibirsk, Nauka, 1966. 347 p. (DNAL)
- ALEKSEEVA, V. A., and N. N. KUL'BA. [Use of peat for litter; as exemplified by the "Gomontovo" State Farm] *Ispol'zovanie torfa na podstilu, na opyte sovkhosa "Gomontovo"*. Leningrad, Kolos, 1965. 47 p. (DNAL)
- ALIKHANIAN, S. I. [Theoretical bases of Michurin's theory on the transformation of plants] *Teoreticheskiye osnovy ucheniya Michurina o pereobrazovanii rasteniy*. Moskva, Nauka, 1966. 86 p. (DNAL)
- ASKOCHENSKIY, A. N. [Land irrigation and water supply in the U.S.S.R.] *Orosheenie i obvodneniye zemel' v SSSR*. Moskva, Sel'khozizdat, 1961. 85 p. (RU)
- ATLANTICHESKII NAUCHNO-ISSEDOVATEL'SKII INSTITUT RYBNOGO KHOZIAISTVA I OKEANOGRAFII. [Antarctic krill, biology and fisheries] *Antarkicheskii krill, biologiya i promysel*. Kaliningrad, 1965. 91 p. (MICROFILM)
- BALTAKMENS, R. [Prolonged use of milking cows] *Stavkamo govyu izmantosanas paildzhasana*. Riga, Liesma, 1966. 105 p. [In Latvian] (DNAL)
- BAMBERGS, K., ed. [Fertilizers] *Meslošanas līdzekļi*. Riga, Liesma, 1966. 286 p. [In Latvian] (DNAL)
- BATOVA, V. M. [Agroclimatic conditions of the Northern Caucasus; applicable to winter wheat] *Agroklimaticheskie resursy Severnogo Kavkaza, primenitel'no k ozimoi pshenise*. Leningrad, Gidrometeoizdat, 1966. 185 p. (DNAL)
- BELORUSSKII NAUCHNO-ISSEDOVATEL'SKII INSTITUT ZEMLEDELIIA. [Breeding and seed production of field crops] *Selektsiya i semenovodstvo polevykh kul'tur*. Minsk, Urozhai, 1965. 377 p. (DNAL)
- BREZHNEV, D. D., and others. [Vegetables of the night shade family, tomato, common eggplant, black nightshade, pepper, hot tomato, mandarin] *Ovoshchnye paslenovyye, tomat, baklazhan, chernyy paslen, dyannat, grusha, paprika, fizalis, mandragora*. Moskva, Gos. izd-vo s.-kh. lit-ry, 1958. 531 p. (Kul'turnaya flora SSSR, no. 20) (DNAL)
- BRUELES, J. [Intensification and specialization of agriculture] *Lauksaimniecibas intensifikacija un specializacija*. Riga, Liesma, 1966. 236 p. [In Latvian] (DNAL)



- DAVIDOV, R.B. [Principles of dairying] Osnovy moloch-nogo dela. Izd 2. Moskva, [Sel'khozgiz] 1957. 173 p. (Biblioteka zhivnoveda po knuponu i ogolomu skotu, no. 15) (DNAL)
- DUDOREV, M.A., and G.L. CHOBIT'KO [Seedling growing] Vyzashchivanie seyantov Saratov, Pri-volzhskoe knizhnoe izd-vo, 1966. 89 p. (DNAL)
- DZIEBRAILOV, M.G. [Use of fertilizers for vegetables in the Arsheron Peninsula] Abstraktsion shchitovye to-re-vye bikhilichnye kubitsy v voimnits. Baky, Azey-bajehan SSR Elmlet Akademijasy neshi ijaly, 1966. 157 p. [In Azerbaijani] (DNAL)
- EIMOV, V.N., G. LIATOKHA, and G. USPENSKII. [Varieties of and cultivation practices for fruit and berry plants of the southern Baltic region] Sort i agrotehnika plodovoye-lagodnykh kul'tur L'vovsk. Pri-baltika. [Kalinigrad] Kaliningradskoe knizhnoe izd-vo, 1965. 206 p. (CU)
- FEDOROV, S.S. [Biology and fisheries of sea herring] Biologiya i promysel morskoi sel'di. [Moskva, 1966] 139 p.
- [FEED PRODUCTION IN NORTHERN KAZAKHISTAN AND WESTERN SIBERIA] Kooperativnoe sel'skoye khoz-yaistvo v Severnom Kazakhstane i Zapadnoi Sibiri Moskva [Kolos] 1966. 399 p. (DNAL)
- GERSHUN, M.S., and T.N. GUZEEVA. [Chemical method for weed control in forest nurseries and plantations in Central Asia] Khimicheskiy metod bor'by s sorntami v lesnykh питомниках i kul'turakh, v usloviyakh Srednei Azii. Moskva, Lesnaya promyshl., 1966. 50 p. (DNAL)
- GORSIKOVA, A.A. [Biology of steppe pasture plants in Transbaikalia] Biologiya stepnykh pastbishchnykh rastenii Zabaikal'ia Moskva, Nauka, 1966. 271 p. (DNAL)
- GOSUDARSTVENNYI VSESIOIUZNYI NAUCHNO-ISSEDO-VATELSKII TEKHOLOGICHESKII INSTITUT REMON-TA I EKSPLOATATSIY MASHINNO-TRAKTORNOGO PARKA [Repair of machinery in agriculture repair enterprises] Remont stanoi hnoho oborudovaniia na i remontnykh pri edpriyatiakh sel'skogo khoz'yaistva. Moskva, Biuro tekhn. informatsii GOSNITI, 1965. 591 p. (DNAL MICROFILM)
- GROT, V.A. [Lilies and their cultivation] Lili i ikh kul'tura. [Moskva] Izd-vo Mosk. univ., 1966. 90 p. (Sredi prirody, no. 59)
- [HANDBOOK FOR SWINE BREEDERS] Seikasvatata leat-mik. Tallinn, Valgus, 1966. 204 p. [In Estonian] (DNAL)
- HOLM, HARALD, comp. [Handbook for agronomists] Agronomi teatmik. Tallinn, Valgus, 1966. 246 p. [In Estonian] (DNAL)
- KAGAN, I.U.S., E.N. BURKATSKAIA, and E.I. SPYNU. [Prevention of poisoning with toxic chemicals; abstracts of lectures] Profilaktika otravlenii iado-khimikalami; konspekty leksii. 2. izd. Moskva, In-t saniarnogo prosveshchenia, 1965. 67 p. (DNAL MICROFILM)
- KALNBERGA, RENATE, and INTA PETERSONE. [Furazolidone in animal husbandry] Furazolidons lopkopiba. Riga, Zinatne, 1966. 53 p. [In Latvian] (DNAL)
- KAMENETS-PODOL'SKII BOTANICHESKII SAD. [List of seeds proposed for exchange by the Kamenets-Podolskiy Botanical Garden, 1964] Spisok semian, predlagamykh v obmen Kamenets-Podol'skim botanicheskim sadom 1964. Doletus seminum quae hoc tui Botaniceus in Kamenetz-Podolski pro mutua commutatione offert 1964. Kamenets-Podol'skii, 1965. 23 p. [Parallel texts in Latin and Russian] (DNAL MICROFILM)
- KAPITSINEL', M.A., ed. [Principles of fruit culture] Osnovy sadovodstva. [By] M.A. Kapitsinel' i dr. Moskva, Prosveshchenie, 1966. 351 p. (DNAL)
- KARKLINS, J. [Fruit culture] Augkopiba. Riga, Zinatne, 1966. 671 p. map (insert) [In Latvian] (DNAL)
- KATSEIKO, A.N. [Breeding apple trees in Kazakhstan] Seleksiia jablotv v Kazakhstane. Alma-Ata, Kalnai, 1965. 206 p. (CU)
- KAZENAS, L.D. [Diseases of the agricultural plants of Kazakhstan] Bolezni sel'skokhoziaistvennykh rastenii Kazakhstana. [Alma-Ata] Kalnai, 1965. 345 p. (CU)
- KIRILOV, V.P. [Small mixed brigades, work practice of the Valda Lumbering Camp] Maliye kompleksnye brigady, opyt raboty Valdaiskogo lespi onkloza Moskva, Goslesbumizdat, 1958. 15 p. (OCS)
- KLIMASHEVSKII, E.I. [Physiological characteristics of root feeding of different corn varieties in the non-Chernozem zone; physiological essays on variety] Fiziolozicheskie osobennosti kornevo go pitaniia raznykh sortov kukur'uzy v nechernozemnoi polose, ocherki fiziolozii sorta. Moskva, Nauka, 1966. 149 p. (DNAL)
- KOLDE, OSKAR, comp. [Machines for the mechanization of livestock farms, a handbook] Loomafarmide seadmed, kasiraamal. Tallinn, Valgus, 1966. 213 p. (DNAL)
- KOLIASEVA, V.A., T.E. PASHCHENKO, and O.D. ROZHANSKAIA. [Microclimate of plant-growing installations with film covers] Mikroklimat kul'tivatsionnykh soouzhnenii s plenochnymi pokrytiyami. Leningrad, Gidrometeor izd-vo, 1966. 118 p. (DNAL)
- KONONKOV, P.F., and S.N. KONONKOVA. [Agriculture in Mongolia] Zemledelie v Mongolii. Pod red. V.E. Pisareva. Moskva, Kolos, 1966. 198 p. (DNAL)
- KRONITS, JANE. [Manual for the forester] Mezkopja roksgiamala Riga, Liesma, 1966. 338 p. [In Latvian] (DNAL)
- KUNDZINS, ARTURS. [Forest tree seeds] Meza koku sēklas. Riga, Liesma, 1966. 114 p. [In Latvian] (DNAL)
- KURIUKOV, I.A., and A.N. KOMESAROVA. [Early vegetables] Ranne ovoshchi. Moskva, Kolos, 1966. 238 p. (DNAL)
- LEBLE, B.B. [Game animals and birds of the North] Okhotnich'i zveri i ptitsy Severa. [Aikhangal'ak] Severo-Zapadnoe knizhnoe izd-vo, 1965. 134 p.
- LEMESH, V.V., A.P. SHPAKOV, and V.K. NAZAROV. [Feed norms and tables] Kormovyye normy i tabitsy. Minsk, Urozhai, 1966. 365 p. (DNAL)
- LEVIN, V.I. [Pine forests of the European North, structure, growth, and evaluation of stands] Sosnaki Evro-polskogo Severa; stroenie, iost i iaksalsia drevostoev Moskva, Lesnaya promyshlennost', 1966. 161 p. (DNAL)
- LIKH, R.P., and R.A. SEMIKHINA. [Formation of a dairy herd] Formirovaniye molochnogo stada. Stufiro-pol', "Kiyu," 1966. 35 p. (DNAL)
- LUKIANOV, A.D. [Organization of viticulture] Organi-zatsiia vinogradarstva. Moskva, Kolos, 1966. 198 p. (DNAL)
- MAKAROV, A.P. [Mechanization of the preparation and distribution of feeds on farms] Mekhanizatsiia prigotovleniia i razdachi kormov na fermakh. Moskva, Kolos, 1966. 389 p. (DNAL)
- MAZITS, ZIEDONIS. [Crayfishes and their breeding] Vez un to audzogsana. Riga, Liesma, 1967. 33 p. [In Latvian]
- MESHCHEROV, E.T., and G.B. BOOS. [Cucumbers] Ogurtsy. [Leningrad] Lenizdat, 1965. 72 p. (DNAL)
- MOLDER, ADOLF. [Raising Estonian Red cattle] Eesti punase veislova aretus. Tallinn, Valgus, 1966. 249 p. [In Estonian] (DNAL)
- MOLODOKULOV, SAMAT. [On the rise] Onugau zho-lunda Frunze, Kyrgyzstan mamchetik basmasy, 1962. 36 p. [In Kirghiz] (DNAL)
- MOROZOV, V.K., ed. [Manual on the field testing of field crops in the southeast] Rukovodstvo po aplobatsii polevykh kul'tur na Iugo-Vostoke 5., perer izd. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 214 p. (DNAL)
- MOSKOVSKAIA SEL'SKOKHOZIAISTVENNAIA AKADE-MIA Radioizotopnaya laboratoria. [Safety meas-ures in working with radioactive substances] Tekhnika zashchity pri rabote s radioaktivnymi veshchestvami. [By] V.V. Iachinskii i dr. Moskva, 1959. 35 p. [Praktikum po priimeneniiu izotopov i izlucheni v sel'skom khoziaistve, no. 4]
- NIGUL, L. [Maintenance of meat-type swine] Soderzha-nie bekonnykh svinei. Tallinn, Biuro nauchno-tekhn. informatsii M-va sel'khoz. Estonskoi SSSR, 1966. 61 p. (DNAL)
- PETROV, S.A. [Repair of agricultural machinery] Remont sel'skokhoziaistvennykh mashin. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 108 p. (Uchebniki i uchebnye posobia dlia podgotovki sel'skokhoziaistvennykh kadrov massovoi kvalifikatsii) (DNAL)
- POBEDINSKII, A.V. [Cleaning the area of cutting in case of felling trees with crowns] Ochsika most i ubok pri podvozke stvolov s kionami. Moskva, Vses. Nauchno-issl. in-t lesovodstva i mekhanizatsii lesno-go khoziaistva, 1958. 8 p. (OCS)
- POBEDINSKII, A.V. [Organization of tree felling in cuttings with young growth] Organizatsiia lesoschnykh rabot na lesoschnykh podrozkom. [Moskva] Vses. nauchno-issl. in-t lesovodstva i mekhanizatsii lesno-go khoziaistva, 1958. 16 p. (OCS)
- POBEDINSKII, A.V. [Studying reforestation processes] Izuchenie lesovosstanovitel'nykh protsessov Izd 2., dop. i perer Moskva, Nauka, 1966. 61 p. (DNAL)
- PUNG, AARNE. [Livestock raising] Pollumajandusloo-made aretus. Tallinn, Valgus, 1966. 442 p. [In Es-tonian] (DNAL)
- RYNDEN, V.I., L.N. GRIGOR'EV, and M.A. OHEL. [New machines on the fields of Kirghizistan] Noye mashiny na polakh Kirgizii. [Tokmak] "Kyrgyzstan," 1965. 74 p. (DNAL)
- SHABARDIN, M.I. [Advice to beekeepers] Sovety pchelovodam. [Kirov] Volgo-Vinskoe knizhnoe izd-vo, 1965. 151 p. (CU)
- SHUL'GA, N.K., and A.I. DUKMASOV. [Manual for irrigators] Posobie poliva'ahchiku. Moskva, Kolos, 1966. 101 p. (Uchebniki i uchebnye posobia dlia podgotovki sel'skokhoziaistvennykh kadrov massovoi kvalifikatsii) (DNAL)
- SUCHIKOV, A.I. [Mastering the blue virgin land] Osvoenie goluboi tseliny. Moskva, Pishchevaya promyshl., 1965. 112 p. (Vau)
- [SUGAR BEETS] Cukurbites. Riga, Liesma, 1966. 220 p. [In Latvian] (DNAL)
- VAILOV, N.I. [Genetics and agriculture] Genetika i sel'skoe khoziaistvo; shorutsk iatit. Moskva, Znanie, 1967. 69 p. (Novoe v zhizni, nauka, tekhnika. V Serii: Sel'skoe khoziaistvo, no. 1)
- VESTERE, PETERE. [Seed production of vegetables] Darzenu sakkopiba. 2., papildinalis un parstrada-tis izdevums. Riga, Liesma, 1966. 260 p. [In Lat-vian] (DNAL)

- VEKSHEGONOV, V. A. [Checkboard method of creating slitter-bills, from the practice of tree planting in the Vihiga Territory] Shakhmatnyi sposob sozdaniya polozhivchinykh lesnykh polos, iz opyta lesorazvednitsy v Tselinnom krae. 103 str., Lesnaya promyshlennost', 1965. 82 p.  
(CU)
- VOLOGODSKIY MOLOCHNYI INSTITUT. [Reports of the conference on the results of research in 1963] Doklady nauchnoi konferentsii po itogam nauchno-issledovatel'skoi raboty za 1963 god. [Vologda] Severo-Zapadnye knizhnoe izd-vo, 1964. 219 p.  
[DNL MICROFILM]
- [WHAT WE HAVE GAINED FROM CHEMISTRY] Chto nam dala khimiya. Moskva, Sovetskaya Rossiya, 1965. 137 p. (Tizhenkova seth-ob intensnoi sisteme 20. 1. 1965)  
(DNL)
- [YEARBOOK ON THE AGRARIAN HISTORY OF EASTERN EUROPE FOR 1961] Ezhegodnik po agrarnoi istorii Vostochnoi Evropy, 1961 god. Kishinev, Karla Marksa universitet, 1966. 780 p.
- ## 16. TECHNOLOGY
- [ADJUSTMENT OF TRIANGULATION OF LOWER CLASS-ES BY APPROXIMATIONS] Upravlenie zapolnitshestvom triangulatsii priblizheniyami. [By] P. A. Gaidnev i dr. Moskva, Nedra, 1966. 53 p.
- AGOSHKOV, M. I., and G. M. MALAKHOV. [Underground mining of ore deposits] Podzemnaya razrabotka rudnykh mestoi ozhdniti. Moskva, Nedra, 1966. 662 p.
- AKADEMIYA NAUK KAZAKHSTANSKOY SSR. Institut gosnogo dela. [Cybernetics in mining engineering] Kibernetika v gornom dele. Almaty-Alma, Nauka, 1966. 165 p.
- AKADEMIYA NAUK SSSR. Nauchnyi sovet po probleme "Noveye protsessy polucheniya i obrabotki metalliche-skikh materialov." [Physical basis of electric spray machining of materials] Fizicheskie osnovy elektri-cheskoi obrabotki materialov. Moskva, Nauka, 1965. 138 p.
- AKADEMIYA NAUK URSS. [Mechanism of metal failure] Mekhanizm razrusheniya metallov. [Kiev, Naukova dumka, 1966] 121 p. (Respublikanskiy mezhvedomstvennyi sbornik. Seriya "Metallofizika")
- AKADEMIYA NAUK URSS. Institut geologii i geokhimi-i goruchikh iskopaemykh. [Problem of petroleum and gas origin and the formation of their commercial pools] Problema proiskhozhdeniya nefli i gaza i obrazovanie ikh promyshlennykh zalozhei. Kiev, Naukova dumka, 1966. 185 p.
- AKADEMIYA NAUK URSS. Institut problem lit'ia. [Fractography, hardenability, and properties of alloys] Fraklografiya, prokalyvaemost' i svoystva splavov. [By] M. P. Braun i dr. Kiev, Naukova dumka, 1966. 310 p.
- AKHIMEROV, R. B., and M. N. GALLIAMOV. [Exploiting oil wells without using derricks] Bezvyzhechnaya ekspluatatsiya neflianykh skvazhin. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 58 p.
- ANOKHIN, D. J., and I. P. ZYBIN. [Calculation of the deformation of the upper part of the pulling over and making of lashing] Raschet deformatsii zangelokh dlia obilazhno-zatiazhnogo sposoba formovaniya, uchebnoe posobie. Moskva, Legkaya industriya, 1965. 20 p.  
(MICROFILM)
- ARKHANGEL'SKII, I. I., and V. M. KARTASHOVA. [Hygiene of milk and control of its sanitary quality] Gigena moloka i kontrol' ego sanitarnogo kachestva. Moskva, Kolos, 1966. 216 p.
- ARKHANGORODSKIY, A. G., and L. M. BELENKII. [Mechanical calculation of tail frames, laboratory manual for the "Shipbuilding and ship repair" major] Mekhanicheskiy raschet ploshchikh ram, rukovodstvo po vypolneniyu laboratornykh rabot dlia spetsial'nosti "Sudostroyeniye i sudoremont." [Kakhingrad] Kalinin-pudskoe imzhnoe izd-vo, 1965. 27 p.  
(MICROFILM)
- BABICH, O. A., and I. N. VLADISLAVSKAYA. [Reading and detailing of assembly drawings] Chтение i detalirovaniye sborochnykh chertezhef. Moskva, Vysshaya shkola, 1966. 92 p.
- BADYL'KES, I. S., and R. L. DANILOV. [Absorptive refrigerating machines] Absorbtsionnye khlodil'nye mashiny. Moskva, Pishchevaya promyshl., 1966. 355 p.
- BARTOSHI, N. T. [Industrial containers and their use in the machinery industry] Proizvodstvennaya tara i ee primeneniye v mashinostroyeni. Leningrad, 1966. 35 p. (Leningradskii dom nauchno-tekhnicheskoi propa-gandy Proizvodstvennyi opyt. Seriya Mekhanizatsiya i avtomatizatsiya transportnykh i skidskikh rabot v promyshlennosti)
- BASKAKOV, S. V. [Drying bricks] Sushka klinkera. Moskva, Stroizdat, 1966. 178 p.
- BERDICHEVSKIY, B. E. [Evaluation of the reliability of automatic control equipment, methods for evaluating reliability during development] Otsenka nadezhnosti apparatov avtomatiki, metody otsenki nadezhnosti v protsesse razrabotki. Moskva, Mashinostroyeniye, 1966. 275 p.
- BEUS, A. A. [Studying geochemical specialization of geological complexes for the purposes of regional prog-nosis] Izucheniye geokhimicheskoi spetsializatsii geolo-gicheskikh kompleksov dlia tseliei regional'nogo prognozirovaniya. Moskva, Gos.geol. kom-t SSSR, 1965. 104 p.  
(MICROFILM)
- BEUS, A. A., and S. V. GRIGORIAN. [Using methods of mathematical statistics in geochemical prospecting] Ispol'zovanie metodov matematicheskoi statistiki pri geokhimicheskikh poiskakh. Moskva, Gos.geol. kom-t SSSR, 1965. 72 p.  
(MICROFILM)
- BIRIN, B., and N. DOBRZHINSKII. [Diamond abrasive tools in the machinery industry] Almazno-abrazivnyi instrument v mashinostroyeni. Riga, Latvskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 58 p.
- BOBROV, I. M., and V. G. MIKHAILOV. [Solution of practical problems in designing machinery] Reshenie prakticheskikh zadach pri konstruirovani mashin. Moskva, Mosk. tekhnologicheskii in-t, 1965. 173 p.
- BOGDANOV, O. I., and S. K. D'ACHENKO. [Calculation of sliding bearings] Raschet opoi skolzheniya. Kiev, Tekhnika, 1966. 242 p.
- BONDIN, I. N. [Safety manual for the glazier] Pamiatka po tekhnike bezopasnosti dlia stekol'sheniya. Izd. 2., ispr. Moskva, Stroizdat, 1966. 25 p. (Tekhnika bezopasnosti v stroitel'stve)
- BORISOV, S. I., V. F. KOMAROV, and V. L. TOKAREV. [Theory of mechanisms and parts of precision instru-ments] Teoriya mekhanizmov i detali tochnykh pribor-ov. Moskva, Mashinostroyeniye, 1966. 406 p.
- BORISOV, S. M. [Clutches and brakes of single-bucket excavators] Mufty i tormoza odnokovshovykh ekskavatorov. Moskva, Niiformatsionnyi oldorkommu-nismash, 1965. 58 p. (Seriya 1. Stroitel'nye i dorozhnye mashiny)
- BOROVSKIY, B. E., and M. D. POPOV. [What should a driver of the second and first class know, manual for obtaining the qualification of driver of the second and first class] Chto dolzhen znat' shofor 2-go i 1-go klassa, posobie dlia polucheniya kvalifikatsii voditel'a 2-go i 1-go klassa. Pod obshchey red. V. F. Shliaktenko. [Leningrad] Lentizdat, 1966. 563 p.
- BRATSKYKHIN, E. A., S. S. MINDLIN, and K. N. STURIL'-TSOV. [Manufacturing articles of plastics] Proizvodstva plasticheskikh mass v izdeliya. Pod obshchey red. E. A. Bratskykhina. Moskva, Khimiya, 1966. 300 p.
- BRITANS, J. [Young people's factory] Damskaya tipika. Riga, Liesma, 1966. 90 p. [In Latvian]
- BULATOV, V. V. [Mechanics of a rock breaking during extrudep drilling] Mekhanika i razrusheniya gornykh porod pri sverkhglubokom burenii. Novosibirsk, Nauka, 1966. 223 p.
- BUNIMOVICH, L. D. [Edgewise sawing of timber on chis-cular saws with conical blades] Rezhovoe deleniye pil'matov na klyugotil'nykh stankakh konicheskimi pilami. Moskva, Lesnaya promyshl., 1966. 145 p.
- BYKHOVSKAYA, M. S., S. L. GINZBURG, and O. D. KHAILO-ZOVA. [Methods of determining harmful substances in the air; a practical manual] Metody opredeleniya vrednykh veshchestv v vozdukh: prakticheskoe rukovodstvo. Izd. 2., ispr. 1 dop. Pod red. O. D. Khailovoi. Mos-kva, Meditsina, 1966. 594 p.
- BYSTRITSKII, N. P. [Magnetron amplifiers (amplifiers)] Magnitronnye usiliteli (amplifikatory). Moskva, Sov. radio, 1966. 75 p. (Elementy radioelektronnoi apparatury, no. 4)
- CHAPURINA, L. A. [Methodological instructions for carrying out the second course project on reinforced concrete structural elements] Metodicheskie ukazaniya k vypolneniyu vtorogo kursovogo proekta po zhelezobetonnyim konstruktivam. 2 pereizd. Riga, Zval'skoye, 1966. 35 p.
- [CHEMIST'S HANDBOOK] Spravochnik khimika 2. izd., pereizd. Moskva, Khimiya.
- Vol. 5. [Raw material and products of the industry of inorganic substances, processes and apparatus, corrosion, galvanic technique, chemical sources of current] Syrie i produkty promyshlennosti neorganicheskikh veshchestv, protsessy i apparaty, korroziiya, gal'vanotekhnika, khimicheskie istochniki toka. 1966. 873 p.
- CHERNASHENTSEV, I. A. N., and G. I. KAPILUSHNIKOV. [Principles of safety engineering, preliminary training of workers on safety measures in coal mines] Osnovy tekhniki bezopasnosti, predvaritel'noe obucheniye rabochikh po tekhnike bezopasnosti na ugotnykh shakhtakh. Moskva, Nedra, 1966. 143 p.
- CHERNOBROVOV, N. V. [Relay protection] Reliynaya zashchita. Izd. 3., pereizd. Moskva, Energiya, 1966. 760 p.
- [CONCISE HOME ECONOMICS ENCYCLOPEDIA IN ONE VOLUME] Kratkaya entsiklopediya domashnego khozaystva v odnom tome. [Izd. 3.] Moskva, Sovetskaya Entsiklopediya, 1966. 1342 columns.
- CRIMEAN PROVINCE. Oblastnoe upravleniye sel'skogo khozaystva. [Handbook for the canning of fruit and vegetables at collective and state farm plants] Rukovodstvo po konservirovaniyu plodov i ovoshchei dlia kolhoznykh i sovkhoznykh konservnykh zavodov. Simferopol', "Krym," 1965. 397 p.
- [CULINARY RECIPES, from the book on tasty and healthy food] Kulinarnye retsepty, iz knigi o vkusnoi i zdorov'noy pishche. 2. izd. Moskva, Pishchevaya promyshl., 1966. 407 p.
- [CZECH-RUSSIAN DICTIONARY ON ELECTRICAL ENGINEERING AND ELECTRONICS. Approximately 30,000 terms] Cheshko-Russkii slovar' po elektrotehnike i elektronike. Okolo 30 000 teminov. Moskva, Sovetskaya Entsiklopediya, 1966. 524 p.
- DEMIDOV, T. G. [New metals and metal alloys in engineering] Noveye metally i metalliche skie splavy v tekhnike. Moskva, Mosk. Avtomekhanicheskiy in-t, 1965. 103 p.
- [DEVELOPMENT OF NEW SOVIET SNOWREMOVERS FOR ROADS] Sozdaniye novykh otechestvennykh dorozhnykh snegochistitelei. [By] A. N. Ivanov i dr. Moskva, Niiformatsionnyi oldorkommu-nismash, 1965. 101 p. (Seriya 1. Stroitel'nye i dorozhnye mashiny)

- DOLGOPOLOV, N.N. [Modern physics is for builders] Sovremennaya fizika - stroitel'stvo, Moskva, Stroiizdat, 1966, 217 p. (Naučno-populjarnaja serija)
- DOVZHNIK, O.I., and V.B. RATINOV. [Efficient lubricants for forms in the production of precast reinforced concrete] Effektivnye smazki dlia form v proizvodstve sbornogo zhelezobetona, Moskva, Stroiizdat, 1966, 137 p.
- DUBIN, Z.IU. [Resin-tupenline production] Smoloshkpidajnoe proizvodstvo, 2. izd., 1 sp. 1 dop., Moskva, Lesnaja promyshl., 1966, 159 p.
- DUBOVSKII, K.N. [Tower crane operator] Mashinist bashennogo kрана, Moskva, Stroiizdat, 1966, 238 p.
- EGNUS, M.IA., V.N. SVEDLOV, and Z.A. KAKOVKINA. [Increasing the precision of construction of large-panel buildings] Povyshenie tochnosti montazha grupno-panel'nykh zdani. Moskva, Stroiizdat, 1965, 51 p. [MICROFILM]
- ERMAKOV, I.N. [Maintenance and repair of pneumatic tires] Eksploatatsia i remont pnevmaticheskikh шин, Moskva, Kolos, 1966, 222 p.
- [ESTABLISHING TECHNICAL NORMS IN REPAIR SHOPS] Tekhnicheskoe normirovanie v remontnykh master'skikh 12d.2., 1 sp. 1 dop. [By] I.I. Pustovalov i dr. Moskva, Kolos, 1965, 391 p.
- EVREINOV, E.V., and I.U.G. KOSAREV. [Similar universal computer systems with high productive capacity] Odnorodnye universal'nye vychislitel'nye sistemy vysokoi proizvoditel'nosti, Novosibirsk, Nauka, 1966, 308 p.
- FADEEV, N.I. [Technology of the manufacture of electronic computer assemblies] Tekhnologiya proizvodstva uzlov elektronnykh vychislitel'nykh mashin, Moskva, Mashinostroenie, 1967, 310 p.
- FEDCHEN, S.S. [Airplane piloting] Samoletovozhdenie, Moskva, Transport, 1966, 527 p.
- [FIRE ENGINES AND FIRE-FIGHTING EQUIPMENT] Pozharnye mashiny i protivopozharnoe obsluzhivanie. [By] N.B. Kashcheyev i dr. Moskva, Stroiizdat, 1966, 310 p.
- FOREJT, JINDRICH. [Capacitive transducers of non-electrical values. Translation from the Czech] Elektricheskie datchiki neelektricheskikh velichin, Moskva, Energiia, 1966, 159 p. (Biblioteka po avtomatike, no. 213)
- FRENKEL', E.B., V.G. KOMOLOV, and S.I. FAIB [Repair of the electrical machinery of electric rolling stock and diesel locomotives] Remont elektricheskikh mashin elektropodvzhnogo sostava i teplovozov, Moskva, Transport, 1966, 451 p.
- FRIDKIN, I.A. [Operation of distribution sites and transformer substations] Eksploatatsia i aspirodelitel'nykh punktov i transformatornykh podstantsii, Moskva, Energiia, 1966, 76 p. (Biblioteka elektromontera, no. 207)
- [FUNDAMENTALS OF THE MECHANIZATION AND AUTOMATION OF PRODUCTION PROCESSES] Razosanas procesu mehanizatsijas un avtomatizatsijas pamati. [By] K. Maceneks un cilii. Riga, Liesma, 1966, 163 p. [In Latvian]
- GARBARUK, V.N. [Mechanization and automation of processes in the knit goods industry, textbook for students of the advanced training faculty] Mekhanizatsia i avtomatizatsia pri raznoy trikolazhnogo proizvodstva; uchebnoe posobie dlia slushatelei fakul'teta usoveshchestvovaniia, Moskva, Legkaja Industriia, 1966, 65 p. [MICROFILM]
- GARIANOV, S.A., and I.D. ABEZGAUZ. [Semiconductor devices with negative impedance] Poluprovodnikovye pribory s otritsatel'nyim soprotivleniem, Moskva, Energiia, 1966, 239 p.
- GEOGRAFICHESKOE OBSHCHESTVO SSSR, Novosibirskii otdel. [Problems of exploitation of the West Siberian oil- and gas-bearing province] Problemy osvoeniia Zapadno-Sibirskoi neftegazonosnoi provintsii, Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966, 130 p.
- GERSHKOVICH, B.M. [Floating cone plastometers. Devices for determining the properties of building plastics, from materials of the All-Union Scientific and Research Institute of New Building Materials (VNIINSM)] Poplavykove konusnye plastometry. Pribyry dlia opredeleniia svoistv stiroitel'nykh plastmass, po materialam Vsesoyuznogo nauchno-issledovatel'skogo instituta novykh stiroitel'nykh materialov (VNIINSM) Moskva, Stroiizdat, 1965, 16 p. (Novyyi stiroitel'noi tekhniki SSSR) [MICROFILM]
- GIMMEL'FARB, I.A., V. SAGIMIAN, and V. IAKOVLEV [Large-panel apartment houses (through high-speed continuous production methods)] Kurnopanel'nye doma na skhodom potoke, Alma-Ata, "Kazakhstan," 1965, 54 p. (Shkola pri edovogo opyta)
- GLAZOVSKAIA, M.A. [Practice in studying secondary dispersion holes in geochemical prospecting] Opyt i uchebnaia vtorichnykh otvetov datsi dlia prikladnykh i hrskikh polskakh, Moskva, Gos. geol. kom. i SSSR, 1965, 82 p. [MICROFILM]
- GOLEVA, G.A. [Hydrochemical method of prospecting for ore deposits] Gidokhimicheskii metod polskov rudnykh mestorozhdenii, Moskva, Gos. geol. kom. i SSSR, 1965, 91 p. [MICROFILM]
- GOLOVAN', P.F., N.F. MUCHIK, and E.I. RAKITO. [Construction of automatic block systems and electric interlocking systems] Stroitel'stvo avtomatizirovannykh i elektricheskoi tsentralizatsii, Moskva, Transport, 1966, 367 p.
- GONCHARENKO, G.K., G.A. FOMENKOV, and I.K. DAVYDOV. [Repair of gas pumps, for "Practices of the "Slaris" Plant in Riga] Remont shcheterenchalykh naseosov, iz opyta raboty Rzhiznogo zavoda "Slaris," Moskva, Bluro tekhn. informatsii i reklamy, 1965, 28 p. [MICROFILM]
- GORELOV, L.K. [Torsion, theory and problems. Methods manual on the strength of materials] Kruchenie, teoriia i zadachi. Uchebno-metodicheskoe posobie po soprotivleniu materialov, Moskva, Mashinostroenitel'stvo, 1964, 39 p. [MICROFILM]
- GORELOV, V.M. [Metal cutting] Rezanie metallov, Moskva, Mashinostroenie, 1966, 206 p.
- GOR'KOVSKII AVTOMOBIL'NYI ZAVOD [Catalog of parts for the GAZ-53A motor truck] Katalog detalей gruzovogo avtomobilia GAZ-53A, Moskva, Mashinostroenie, 1967, 218 p.
- GRADOVSKAIA, L.I. [Biogeochemical prospecting methods] Biogekhimicheskii metody polskov, Moskva, Gos. geol. kom. i SSSR, 1965, 65 p. [MICROFILM]
- GRUNBERG, E.N. [Electrical safety] Elektrichezopasnost', Tashkent, "Uzbekistan," 1966, 110 p.
- GRESHKOV, A.A. [Experience in planning a gas system for an apartment house without estimated cost] Opyt proektirovaniia gazosoborudovaniia zhilogo doma bez smel, Moskva, Stroiizdat, 1966, 37 p.
- GRUNTAL', V.T. [Photographic illustration, "drawing with light," transformation, combination in painting] Fotolishatsiia, svetopis', transformatsiia, fotomontazh, Moskva, Kniga, 1966, 277 p. Illus.
- GRODZOVSKII, G.I., I.U.N. IVANOV, and V.V. TOKAREV. [Mechanics of a low thrust space flight] Mekhanika kosmicheskogo poleta s maloi tlagol, Moskva, Nauka, 1966, 670 p.
- GROKHOL'SKII, A.L. [Q meters] Izmeritel'noe dobrotnost' - kumeti, Novosibirsk, Nauka, 1966, 256 p.
- GRUNDULIS, ANSIS, and HARIJS STANKE. [Radioelectric measurements] Radioelektroniskie izmereniia, Riga, Liesma, 1966, 138 p. [In Latvian]
- GUNDARS, JULIJS, and ANNA PETERSONE. [Fabric and garment materials] Audumi un apgeibu materialai, Riga, Liesma, 1965, 208 p. [In Latvian]
- IAKUSHENKOV, I.U.G. [Optical systems in photoelectric instruments] Opticheskie sistemy fotoelektricheskikh ustroistv, Moskva, Mashinostroenie, 1966, 158 p.
- IANISHEVSKII, E.I. [Geochemical prospecting methods based on primary indices] Gekhimicheskii metody polskov po pervichnyim otchetam, Moskva, Gos. geol. kom. i SSSR, 1965, 59 p. [MICROFILM]
- IL'IN, V.A. [Remote control in the national economy] Telemekhanika v narodnom khozias'tve, Moskva, Znanie, 1967, 61 p. (Novye v zhizni, naule, i tekhnike, XIV Febr. Radioelektronika i svyaz', no. 1)
- INSTITUT AVTOMATIKI I TEKHNIKI (TEKHNI-CHESKOE KIBERNETIKI) [Problems of engineering cybernetics] Voprosy tekhnicheskoi kibernetiki, Moskva, Nauka, 1966, 133 p.
- INSTITUT ELEKTROMEKHANIKI. [Electric drives and control systems] Elektricheskii sistemny upravleniia, Moskva, Nauka, 1966, 235 p.
- INSTITUT GEOLOGICHESKII NAUK, Minsk. [Geology and prospects for finding oil and gas in the White Russian S.S.R.] Geologicheskoe sloenie i perspektivy neftegazonosnosti BSSR, Moskva, Nedra, 1966, 215 p.
- INSTITUT GEOLOGII I RAZRABOTKI GORUCHIKH ISKOPAIMYKH. [Facies and conditions of formation of oil- and gas-producing basins] Fazis i usloviia formirovaniia neftegazoprod. vodolashchikh svit, Moskva, Nauka, 1966, 179 p.
- INSTITUT GORNOGO DELA IM. A.A. SKOCHINSKOGO. [Moving hydraulic and air mixtures of rock in pipelines] Dvizhenie gliko- i aeromestel'nykh porod v trubakh, Moskva, Nauka, 1966, 161 p.
- INSTITUT GORNOGO DELA IM. A.A. SKOCHINSKOGO. [Rock breaking with roller bits] Razrushenie gornykh porod shiroshernym instrumentom, Moskva, Nauka, 1966, 136 p.
- INSTITUT NAUCHNO-TEKHNIChESKOE INFORMATSII I PROPAGANDY, Minsk. [Experience in setting up gas supply systems in enterprises of the White Russian S.S.R.] Opyt nakladki sistem gazosnabzheniia predpriatii Beloruskoi BSR. [By] A.N. Gol'gor i dr. Minsk, 1964, 49 p. [MICROFILM]
- ITSKOVICH, G.M. [Strength of materials] Soprotivleniia materialov 12d.2, peier, Moskva, Vysshaya shkola, 1966, 311 p.
- IZDATEL'STVO MASHINOSTROENII', [Publications for 1966, bibliographical index] Izdaniia za 1965 god, bibliograficheskii ukazatel', Moskva, Mashinostroenie, 1966, 314 p.
- KADANOV, B.N. [Electrochemistry of metals and adsorption] Elektrikhimia metallov i adsorbsiia, Moskva, Nauka, 1966, 221 p.
- KADREVICHI, T.A. [Drainage of land by pumping machinery, lectures for correspondence students majoring in "Drainage work"] Oshushenie zemel' mashinnyim vodopod'emom, lekttsiia dlia studentov zaokul'tov spetsial'nosti "Gidromelioratsiia," Pod red. A.D. Pandiadi, Moskva, Glav upr. vyssh. i srednego s-kh. obrazovaniia, 1966, 35 p. [MICROFILM]
- KALMYKOV, G.T., and V.K. IILIPENKO. [The transformed land, sketches on the Karachay-Cherkas Autonomous Province] Preobrazhennaya zemlia, ocherki o Karachayev-Cherkessii, Cherkessk, Izdatel'stvo kuzhnoe izd-vo, 1966, 36 p.
- KANAREIKIN, D.B., N.F. PAVLOV, and V.A. POTIKHIN. [Polarization of radar signals] Polarizatsiia radio-lokatsionnykh signalov, Pod red. V.E. Dulevicha, Moskva, Sov. radio, 1966, 440 p.
- KARAKIN, F.F., and V.I. IAROVITSYN. [Handbook on antifriction bearings for equipment and machines used in the meat industry] Spravochnik po podshlunkam kacheniia dlia obsluzhivaniia i mashin torfianoi promyshlennosti, Moskva, Nedra, 1966, 147 p.
- KARIAKIN, N.A. [Illuminating apparatus of the projector and searchlight types; theory and calculation] Svetovye pribory prozhektornogo i proektornogo tipov, teoriia i raschet, Moskva, Vysshaya shkola, 1966, 409 p.
- KATAEVA, A.A., and L.N. MENDEL'SON. [Purified enzymatic preparations of pectinase in wine production] Oshishchennye fermentnye preparaty pokhizny v vinodol'cheskom proizvodstve, Moskva, TsINTI-Pisichestvom, 1965, 31 p. [MICROFILM]



- KATKOVNIK, V. I., and R. A. POLUEKTOV [Multi-dimensional sampled-data control systems] *Mnogomernyye diskretnyye sistemy upravleniya*. Moskva, Nauka, 1966. 416 p. (Teoreticheskie osnovy tekhnicheskoi kibernetiki)
- KAZAKHSSKII NAUCHNO-ISLEDOVATELSKII INSTITUT ENERGETIKI [Scientific principles of the power supply system of agriculture in Kazakhstan] *Nauchnye osnovy energosnabzheniya sel'skogo khozyaystva Kazakhstana*. [By] Sh. Ch. Chokina i dr. Alma-Ata, Nauka, 1966. 226 p.
- KHACHATRIAN, A. G., KH. SH. SHAPIRO, and Z. I. SHAROVA. [Silt and washing of irrigation settling basins and reservoirs] *Zaizhenie i promyivka irigatsionnykh ustoinok i vodokhranilishch*. Moskva, Kolos, 1966. 230 p.
- KHAMUDKHANOV, M. Z., ed. [Frequency speed control of a.c. drives with automatic regulation from rectifier-converter] *Chastotnoe regulyrovaniye skorosti elektropriivodov peremennogo toka s avtomaticheskimi upravleniyem ot vychisl'nykh tsentrizovatelei*. [By] M. Z. Khamudkhanov i dr. Tashkent, Iau, 1966. 441 p.
- KHARKEVICH, A. D. [Problems of the construction of switching circuits in crossbar automatic telephone exchanges] *Zadachi postroyeniya kommutatsionnykh skhem v koordinatnykh ATS*. Moskva, Red. izd. otel VZLIS, 1964. 78 p. [MICROFILM]
- KHASMAN, P. I. A. [Fundamentals of heat engineering and power systems] *Osnovy teploekhniki i silovye ustanoiki*. Moskva, Lesnaya promyshlennost', 1966. 310 p.
- KHRENOV, L. S., G. E. MEPUKHVILI, and L. P. NEDSHEVA [Practice training in surveying] *Uchebnaia praktika po geodezii*. Pod obshch. red. L. S. Khrenova. Moskva, Lesnaya promyshlennost', 1966. 223 p.
- KILIKOVSKII, P. I. A. [Boxes from fiber materials] *Ushchiki iz voloknistykh materialov*. Moskva, TSentr nauchno-issl. i in-formatsii i tekhniko-ekonom. issledovaniy po lesnoi, tsellulozno-bumazhnoi, i tsvetobabatyvalushchei promyshli, i lesnomu khoz., 1966. 63 p. (Tara i upakovka) [MICROFILM]
- KILIN, N. T. [Advanced methods of repairing electric locomotives, from experience of the Kurgan Station] *Peredovyye metody remonta elektrozvov; iz opyta Kurganskogo depa*. [Chellabinskii Iuzhno-Ural'skoe knizhnoe izd-vo, 1965. 26 p.
- KIRILLO, L. R. [Television receivers, construction and operation] *Televizionnye priemniki, ustroystvo i ekspluatatsiya*. Minsk, Belarus', 1966. 135 p. (Biblioteka po radioelektronike)
- KIRILLOV, L. N. [Ring spinning machines for flax] *Kol'tsevye priadi'nye mashiny dlia l'na*. Moskva, Legkaya industriya, 1966. 274 p.
- KIRILLOV, V. S., ed. [Bridge construction] *Stroitel'stvo mostov*. [By] N. M. Kolokolov i dr. Moskva, Transport, 1966. 274 p.
- KOMAROV, A. A. [Prevention of snow drifts on the roads beyond the Arctic Circle] *Preduprazhdeniye snezhnykh zasobov na dorogakh Zapol'ia*. Novosibirsk, Redaktsionno-izdatelskii otdel SO AN SSSR, 1965. 157 p.
- KOROTKOV, G. P., and E. D. BABENKOV [Methods for the purification and quality control of water] *Metody oshchistki i kontrolya kachestva vody*. Moskva, Transport, 1966. 38 p. (Dostizheniya nauki i tekhniki - v proizvodstve)
- KOSAREV, A. A. [Pulsed remagnetization of coupled ferrires] *Impul'snoe peremagnicheniye svyazannykh ferrirov*. Novosibirsk, Nauka, 1966. 65 p.
- KOVAL'CHUK, L. M., and A. S. FREDIN, eds. [Manufacturing plastic-base structural elements] *Izgotovlenie stroitel'nykh konstruktivnykh elementov na osnove plastmas*. Moskva, Stroizdat, 1966. 323 p.
- KOZLOV, B. A., and I. A. USHAKOV [Concise handbook on reliability calculations of radioelectronic apparatus] *Kratkii spravochnik po raschetu nadezhnosti radioelektronnogo apparatny*. Moskva, Sov. radio, 1966. 432 p.
- KOZLOV, P. M. [Use of polymeric materials in structures operating under stress] *Priimeneniye polimernykh materialov v konstruktivnykh i abotatitsheikh pod nagruzok*. Pod red. M. I. Garbaza. Moskva, Khimika, 1966. 361 p.
- KRAITSBERG, M. I., and M. D. MILICH. [Electromagnetic sliding clutches in construction and road machines, a survey] *Elektromagnitnye mufty skoli-zheniya v stroitel'nykh i dorozhnykh mashinakh, obzor*. Moskva, NII Informatsii i stroitel'stva i dorozhnogo mashinostroyeniya, 1965. 111 p. (Seriya 1 Stroitel'nye i dorozhnye mashiny)
- KRAIZMER, L. P., and S. E. KHAIKIN, eds. [Radio amateur's dictionary] *Slovar' radiofobitella*. Izd. 3, perer. i dop. Moskva, Energiya, 1966. 740 p. (Massovaya radiobiblioteka, no. 621)
- KRECHETOVICH, N. N. [Remote control] *Telemekhanika*. Minsk, Vysshaya shkola, 1965. 118 p.
- KRUPITSKII, E. I. [Handbook for the young fitter] *Spravochnik molodogo slegaria*. Moskva, Vysshaya shkola, 1966. 311 p.
- KUJIKOV, V. A. [Metallurgical hoisting and conveying machines] *Metallurgicheskie pod'emno-transportnyye mashiny*. Moskva, Metallurgiya, 1966. 264 p.
- KRYLOV, G. V., and G. A. PARKADZE. [Comparing the accuracy and reliability of assaying stockwork-type deposits in prospecting by shot, diamond, percussion drilling and mine workings] *Opyt sravneniya tochnosti i dostovernosti opytovaniya mestorozhdeniya shok-verkovogo tipa pri razvedke drobovymi, almaznymi, udarnym bureniem i gornymi vyrabotkami*. Moskva, Nedra, 1965. 35 p. [MICROFILM]
- KUBENKO, G. D. [Dispatcher frequency] *Dispatsher - radiovolna*. Leningrad, Stroizdat, 1966. 58 p. (Nauchno-popul'narnaya seriya)
- KUCHERAVYI, F. I., R. S. KRYSIN, and I. P. BURKOV [Improving the technology of working granite quarries] *Sovershenstvovaniye tekhnologii razrabotki granitnykh kar'erov*. Pod red. F. I. Kucheraevogo. Kiev, Tekhnika, 1966. 267 p.
- KUNTSEVICH, V. M. [Adaptive sampled-data and optimizing control systems] *Impul'snye samonastalavushchiesia i ekstremal'nye sistemy avtomaticheskogo upravleniya*. Kiev, Tekhnika, 1966. 281 p.
- KUZ'MIN, I. M. [Gauges in water-purifying structures; practical recommendations] *Seichatye ustanovki v vodochistnykh sooruzheniyakh; prakticheskie rekomendatsii*. Leningrad, Stroizdat, 1966. 130 p.
- KUZNETSOV, A. Z. [With one's own labor] *Svoim trudom*. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 27 p. (Maki promyshlennosti Bashkiri)
- KUZNETSOV, B. V. [Choice of electric motors for industrial mechanisms] *Vybor elektrodvigatelia k proizvodstvennym mekhanizmam*. Minsk, Belarus', 1966. 158 p. (Biblioteka elektromotora, no. 17)
- KUZNETSOV, N. V., G. I. LUZINOV, and L. I. KROPP. [Cleaning of the heating surfaces of boilers] *Oshchistka poverkhnostei nagreva kole'nykh agregatov*. Pod red. N. V. Kuznetsova. Moskva, Energiya, 1966. 270 p.
- KUZOVLIEV, G. M. [Special hydraulic structures in atomic power plants] *Spetsial'nye gidrotexnicheskie sooruzheniya na atomnykh predpriyatiyakh*. Pod red. A. N. Komarovskogo. Moskva, Atomizdat, 1966. 282 p.
- LABUTIN, A. L., K. S. MONAKHOVA, and N. S. FIDOFCHVA. [Anticorrosive and sealing materials, on base of liquid rubber] *Antikozionnye i germetizatsionnye materialy na osnove zhidkikh kauchukov*. Moskva, Khimika, 1966. 207 p.
- LATVIAKAIA RESPUBLIKANSKAIA KONFERENTSIJA LITERICHIKOV. [Materials of a conference on foundry practice] *Materialy konferentsii po litel'nomu proizvodstvu*. Riga, Latviiiskii respubl. in-t nauchn. i tekhn. informatsii i propagandy, 1966. 46 p.
- LATVISHII RESPUBLIKANSKII INSTITUT NAUCHNO-TEKHNICHESKII INFORMATSII I PROPAGANDY. [Powder metallurgy] *Poroshkovaya metallurgiya*. Riga, 1966. 113 p.
- LAZAREV, L. P. [Infrared and light instruments for homing and guidance of flying machines] *Infrakrasnye i svetovye pribory samonavedeniya i navedeniya letatel'nykh apparatov*. Moskva, Mashinostroyeniye, 1966. 387 p.
- LEIDOVICH, R. E., I. A. M. OBUKHOVSKII, and S. I. A. SATANOVSKII. [Technology of by-product coke production, a textbook for technical schools of by-product coking] *Tekhnologiya kokshennicheskogo proizvodstva uchebnik dlia kokshennicheskikh tekhnikumov*. Moskva, Metallurgiya, 1966. 403 p.
- LEVENKO, P. I. [Increasing the waterproofness and wear resistance of stiff leathers] *Povysheniye vodostoiostoi i iznoshivostoi zhestvlykh kozh, uchebnoe posobie*. Moskva, Legkaya industriya, 1965. 25 p. [MICROFILM]
- LEVENKO, P. I. [Modern synthetic tanning agents and their use in the leather industry] *Sovremennyye sinteticheskie dubiteli i opyt ikh ispol'zovaniya v kozhevennoi promyshlennosti, uchebnoe posobie*. Moskva, Legkaya industriya, 1965. 30 p. [MICROFILM]
- LEVITSKII, M. I. A., and V. P. SITOMPFIL'. [Using electronic digital computers in determining cutting conditions in turning] *Opytcheniye na elektronnykh tsifrovyykh vychislitel'nykh mashinakh razrabotka rezhaniya pri tochenii*. Kiev, Tekhnika, 1966. 82 p. diagr. (insert)
- LIKHNOVICH, V. V. [Efficient methodology for extraction of accessory minerals from granitoids] *Ratsionnaya metodika izvlecheniya aktsessornykh mineralov iz granitoidov*. Moskva, Nedra, 1966. 45 p.
- LIDERMANIS, L. [Building is constructed from the up] *Coline top uz gridas*. Riga, Liesma, 1966. 2 diagr. insert (Zini un proli) [In Latvian]
- LIELTURKS, A. [Theoretical electric and radio engineering] *Teoretiska elektrotehnika un radiotekhnika*. Riga, Zvaigzne, 1966. 205 p. [In Latvian]
- LINDENAU, N. I., R. V. BUTKEVICH, and K. P. KIRIV BOK. [Mining of thick coal seams] *Razrabotka moshchnykh ugo'nykh plastov*. Pod red. A. N. Zadernitko. Moskva, Nedra, 1966. 280 p.
- LIVSHITS, S. P. [Aerodynamics of centrifugal compressor machines] *Aerodinamika tsentrobazhnykh kompressornykh mashin*. Moskva, Mashinostroyeniye, 1966. 339 p.
- LUTSKII, V. A. [Calculation of reliability and effect of radio electronic apparatus] *Raschet nadezhnosti i effektivnosti radioelektronnogo apparatny*; spravochnik, 2, dop. i perer. izd. Kiev, Naukova dumka, 1966. 207 p.
- MAKAROV, A. D. [Wear and strength of cutting tool] *Iznos i tochnost' rezhushchikh instrumentov*. Moskva, Mashinostroyeniye, 1966. 263 p.
- MAKHARADZE, M. N. [Sectional reinforced-concrete supports for horizontal workings] *Sbornik zheleznobetonnykh krep' dlia gorizontallykh vyrabotok*. Moskva, Nedra, 1966. 93 p. charts (insert)
- [A MANUAL FOR THE TRACTORIST] *Posobie traktornika*. Izd. 3, perer. i dop. Moskva, Mashinostroyeniye, 1966. 614 p. (DNL)



- ROMANOV, O.M., and N.I. CHEREPANOVA. [Thermomechanical hardening of steel] *Termomekhanicheskii zhurnal* 1966, 218 p.
- ROSTOV, N.N. [Efficiency of design details for industrial farm buildings] *Efektivnost' konstruktivnykh reshenii* [Industrial buildings and structures, design solutions]. Moscow, Stroiizdat, 1966, 95 p.
- ROSTOVSKII PROMSTROINPROEKT. [Dynamic loads caused by crushing and milling, drafting and blasting machine and centrifuges, handbook for designers] *Dinamicheskie nagruзки i deformatsionno-razmolvnykh, napodniyevykh mashin i tsentrifug, posobie dlia inzhenerov i stroitel'nikov*. Rostov-na-Donu, 1966, 47 p. [MICROFILM]
- RUBIN, D.A. [Fuel efficiency of a motor vehicle] *Toplivnaya ekonomichnost' avtomobilya* [Fuel economy of the automobile]. Moscow, Transport, 1966, 82 p. (Nauka-popul'naya knizhnitsa avtomobilista)
- RUDAKOV, V.N. [Operation and repair of heat engines] *Eksploataatsiia i remont toplovykh dvigatelei*. Moscow, Energiia, 1966, 111 p.
- RUSSIA (R.S.F.S.R.). *Upravlenie gorodskogo elektrosnabzheniya* [Safety regulations for urban electric supply] [Pravila tekhnicheskoi bezopasnosti na gorodskom elektrosnabzhenii]. Moscow, Stroiizdat, 1966, 111 p. See 2. [Rolling stock of electric car lines and trolley buses, repair shops] *Podvzhoznyy sootvetstvuyushchaya literatura*. Moscow, Stroiizdat, 1966, 111 p.
- RUSSIA (R.S.F.S.R.). *Vostochno-Sibirskoe geologicheskoe upravlenie po poiskam i razvedke nefli i gaza* [Geology and gas and oil potentials of Eastern Siberia] *Geologiya i gazoneftnaya razvedka i poisk*. Moscow, Nedra, 1966, 138 p.
- RUSSIA (U.S.S.R.). *Gosudarstvennyi komitet po delam stroitel'stva* [Standard specifications and estimates for construction, assembly, and repair operations] *Podshchitki i raschetnyye dokumenty na stroitel'nyye, montazhnye i remontno-stroitel'nyye raboty*. Moscow, Stroiizdat, 1966, 111 p. [Piling] *Svaynye raboty*. 1966, 80 p. [Welding] *Svarochnye raboty*. 1966, 90 p.
- RUSSIA (U.S.S.R.). *Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov* [Anti-friction bearings, pressed-on caps] *Podshchitki kharakteristik krayshikh puzlyonnykh, GOST 11436-65 - GOST 11443-65*. Izd. ofitsial'noe. Moscow, Izd-vo Standartov, 1966, 54 p. (SSSR, Gosudarstvennyye standarty)
- RUSSIA (U.S.S.R.). *Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov* [General purpose pipe fittings, stop valves of malleable cast iron] *Armatura truboprovodnaya obshchego naznacheniya; veniki i zapornyye iz kovkogo chuguna GOST 11448-65 - GOST 11471-65, GOST 6761-65, GOST 4666-65*. Izd. ofitsial'noe. Moscow, Izd-vo Standartov, 1966, 101 p. (SSSR, Gosudarstvennyye standarty)
- RUSSIA (U.S.S.R.). *Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov* [Wood; methods of testing] *Drevo, metoda i metody issledovaniya*. GOST 11483-65 - GOST 11490-65. Izd. ofitsial'noe. Moscow, Izd-vo Standartov, 1966, 187 p. (SSSR, Gosudarstvennyye standarty)
- RUSSIA (U.S.S.R.). *Komitet standartov, mer i izmeritel'nykh priborov* [Insulation 194-62 for checking plastic meters] *Instruktsiya 194-62 po proverke lazonirov*. Izd. ofitsial'noe. Moscow, Izd-vo Standartov, 1966, 39 p.
- RUSSIA (U.S.S.R.). *Komitet standartov, mer i izmeritel'nykh priborov* [Tungsten concentration; methods of determination] *Konsentratsiya volframovykh, metody analiza*. GOST 11894-66 - GOST 11896-66. Izd. ofitsial'noe. Moscow, Izd-vo Standartov, 1966, 68 p. (SSSR, Gosudarstvennyye standarty)
- RZHEVSKII, V.V. [Classification and rating of rocks by their physical properties] *Klassifikatsiya i pasportizatsiya gornyykh porod po ikh fizicheskim svoystvam*. Moscow, Mosk. in-t radioelektroniki i gornoi elektromekhaniki, 1966, 13 p.
- RZHEVSKII, V.V. [Technology, mechanism and automation of open-pit mining operations] *Tekhnologiya, mekhanizatsiya i avtomatizatsiya pri otkrytykh gornyykh razrabotkakh*. Moscow, Nedra, 1966, 653 p.
- SADKOV, I.N. [Regulation of public eating facilities] *Regulirovaniye obshchestvennogo pitaniya*. Moscow, Ekonomika, 1966, 159 p.
- SCHASTLIVYI, G.G. [Heating of enclosed asynchronous motors] *Nagrevanie zaklyuchennykh asinkhronnykh elektrodvigatelei*. Kiev, Naukova dumka, 1966, 195 p.
- [SEMICONDUCTOR DEVICES AND THEIR APPLICATIONS] *Poluprovodnikovyye pribory i ikh primeneniye*, sbornik statei, Pod red. I.A. Fedotova, Moscow, Sovetskoye radio, No. 16, 1966, 263 p.
- SHAGIN, P.P. [Statistical calculation of frame and panel multi-story apartment houses] *Statisticheskii raschet kakano-panel'nykh zhilykh zdaniy bol'shoi etazhnosti*. Leningrad, Stroiizdat, 1966, 121 p.
- SHAPIRO, I.A., G.U. MAZING, N.E. PRUDNIKOV. [Theory of solid fuel rocket engines] *Teoriya tverdogo dvigatelya na tretdom toplyve*. Moscow, Voenizdat, 1966, 255 p.
- SHATILOV, A.P. [New boring methods and equipment for strip mining] *Novaya burovaya tekhnika dlia otkrytykh rabot*. Moscow, Nedra, 1966, 95 p.
- SHEPELEV, I.G. [Equipment of by-product coking plants] *Oboorudovaniye koksohimicheskikh zavodov*. Moscow, Metallurgiya, 1966, 332 p.
- SHISHKIN, V.E. [Combined resistance, manual on the course "Strength of materials" for students of the Engineering Department] *Slozhnoe soprotivleniye, posobie po kursu "Soprotivleniye materialov" dlia studentov inzhenernogo fakul'teta*. Moscow, Vses. shk. in-t zaochnogo obrazovaniya, Pt. 2, 1965, 38 p.
- SKIBA, M.M. [Practical hydraulics for irrigators] *Prakticheskaya gidravlika dlia irigatov*. Moscow, Kolos, 1966, 151 p.
- SKOPTSOV, V.I., M.V. KALINKOV, and K.F. ROMANOV. [Machine tools and metal-cutting tools at the Leipzig Fair in March 1965] *Mashinorezhushechnyye stanki i instrumental'noye proizvodstvo na Leipzigskei larmarke v marte 1965 g.* Pod obshech. red. V.I. Skoptsova. Moscow, NIMash, 1965, 84 p. (Seriya S-1 Stanokostroyeniye)
- SKRODELIS, J. [Installations of central heating] *Centralapkurves iekstria Riga, Llesma, 1966, 210 p.* [in Latvian]
- SMOLIANITSKH, B.Z. [Manual for the operators of digesters in sulfate pulp production] *Posobie vuzhshchiku snifatselidirovannogo proizvodstva*. Moscow, Lesnaya promyshl., 1966, 223 p.
- SOLOV, V.K. [Modernizing apartment buildings; basic principles and methods of rebuilding major buildings] *Modernizatsiya zhilykh zdaniy, osnovnyye printsipy i metody ekonomicheskoi kapital'nykh zdaniy*. Moscow, Stroiizdat, 1966, 150 p.
- SOLOV, A.P. [Methods of geochemical prospecting for ore deposits based on their secondary halos and flows of dispersion] *Geochemicheskiye metody poiskov rudnykh mestorozhdeniy po ikh vtorichnym oreolam i potokam rasseleniya*. Moscow, Gos. geologicheskii kom-itet SSSR, 1965, 62 p. [MICROFILM]
- SOLOVTSOV, V.K. [Control and measuring instruments] *Kontrol'no-izmeritel'nyye pribory*, 2. Izd., per. i dop. Moscow, Vysshaya shkola, 1966, 263 p.
- SONIN, E.K. [Miniature secretarial tape recorder] *Miniaturnyi magnitofon-sekretar'*. Moscow, Energiia, 1966, 47 p. (Massovaya radiobiblioteka, no. 614)
- STASHEVSKAYA, S.G. [Work safety on scaffolding and staging] *Bezopasnost' rabot na lesakh i podmostkakh*. Moscow, Stroiizdat, 1966, 72 p.
- STEPENKOV, I.U.A. [Fitter for repairing hydraulic turbines] *Slesar' po remontu gidravlicheskikh turbin*. Moscow, Vysshaya shkola, 1966, 215 p.
- STERENBOGEN, I.U.A., V.F. KHORUNOV, and I.U.A. GRETSKII. [Welding and build-up welding of cast iron] *Svarka i naplavka chuguna*. Kiev, Naukova dumka, 1966, 210 p.
- STREL'TSOV, B.N., and L.L. LITSHTS. [Magnetic tape recording in technology and everyday life] *Magnitnaya zapis v tekhnike i bytu*. Moscow, Znanie, 1963, 31 p. (Novoe v zhizni, nauka, tekhnika IV Seriya Tekhnika, no. 21)
- SVETLOV, B.I.A., and N.E. IAREMENKO. [Theory and properties of industrial explosives] *Teoriya i svoystva promyshlennykh vzryvchatykh veschestv*. Izd. 2., dop. i per. Moscow, Nedra, 1966, 231 p.
- [TECHNOLOGY OF COMBINED NITROGEN] *Tekhnologiya svyazannogo azota*, [By] T.A. Andreev i dr., Moscow, Khimika, 1966, 498 p.
- [TECHNOLOGY OF THE MANUFACTURE OF LARGE ELECTRICAL MACHINES IN THREE PARTS] *Tekhnologiya klyubnogo elektromashinostroyeniya v trekh chastyakh* [By] D.M. Blumenkants i dr., Moscow, Energiia, Pt. 3 *Blumenkants, D.M. [Heavy machines] Klyubnye mashiny* 1966, 305 p.
- [TELECOMMUNICATIONS DICTIONARY IN SEVEN LANGUAGES, English-Russian-French-Spanish-Italian-German-Dutch, 9,000 terms] *Semilyazychnyy slovar' po elektrosvazi, anglo-russko-frantsuzsko-ispanskoi-ital'iansko-nemetsko-gollandskii*, 9000 lemmatov. Moscow, Sov. Entsiklopediya, 1966, 708 p.
- TIKIONOV, V.V. [System of planned preventive maintenance of installations and equipment of main pipelines] *Sistema planovogo predupreditel'nogo remonta pomozhnykh i oborudovaniya magistral'nykh truboprovodov*. Moscow, Nedra, 1966, 178 p.
- TKHISTOV, B.A. [Initial reservoir pressures and geohydrodynamic systems] *Nachal'nye plasovyye davleniya i geodinamicheskiye sistemy*. Moscow, Nedra, 1966, 267 p.
- TORGONSKII, M.N., V.P. KROTOV, and V.S. BIRMAN. [Construction of logging roads and artificial structures] *Stroitel'stvo lesozoonykh dorog i iskusstvennykh sooruzhenii*. Izd. 2., 1-ya i dop. Moscow, Lesnaya promyshl., 1966, 300 p.
- TORCHESHIKOV, N.S., and V.A. SEMINOVA. [Methods of analysis of combustible gas mixtures] *Metodika analiza goruchikh gazovykh smesey*. Moscow, Moskhimiko-tekhnologicheskii in-t, 1965, 27 p. [MICROFILM]
- TRUSHKIN, V.P. [Error? How to prevent it; an article for the young designer] *Oshibka? Kak ee predupredit' v pomoshch' molodomu konstruktoru* [Moskva] *Mosk. rabochii*, 1966, 107 p.
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОГО ИНФОРМАЦИОННОГО ЛЕГКОГО П. О. С. [Efficient methods for the processing of fibrous staple fibers by the fine-combing system of spinning] *Ratsional'nyye metody pererabotki tsvetnogo shpil'shtetnogo volokna po tonkogrebnoi sisteme plamleniya*. Moscow, 1965, 58 p. [MICROFILM]
- TSENTRAL'NYI INSTITUT NAUCHNO-TEKHNIЧЕСКОГО ИНФОРМАЦИОННОГО ПИЩЕВОЙ ПРОМЫШЛЕННОСТИ. [Advanced work practices in the Leningrad Bakery No. 1] *Peredovoye opyt raboty Leningradskoy khlebozavoda No. 1* [By] I.M. Panasiuk i dr. Moscow, 1965, 19 p. [MICROFILM]
- TSENTRAL'NYI NAUCHNO-ISSLEDOVATELSKII INSTITUT PATENTNOY INFORMATSIY I TEKHNIЧESKOY EKONOMIKHESKIIY ISSLEDOVANIY. [International patent classification] *Mezhdunarodnaya patentnaya klassifikatsiya (MPK)*, Izd. 4., 1-ya i dop. Moscow, 1966, 61 p. [MICROFILM]
- UL'RIKH, S.S., and V.I. PUSKOV. [Seasonal freezing of soils and their interaction with building foundations] *Sezonnaya promerzaniye grunтов i ikh vzaimodeystviye s fundamentami zdaniy*. [Krasnodarsk] *Krasnodarskaya knizhnitsa* 1965, 165 p. [MICROFILM]
- UMANSKII, S.P. [Equipment of an air pilot and astronaut] *Svarazheniye letchika i kosmonavta*. Moscow, Voenizdat, 1967, 191 p.
- VAINSHTEIN, L.A. [Open resonators and open wave guides] *Otkrytye rezonatory i otkrytye volnovody*. Moscow, Sov. radio, 1966, 474 p.
- VAINSHTEIN, V.V., ed. [Lubricating greases] *Konsistentnyye smazki*. [By] D.S. Volikovsky i dr. Moscow, Khimika, 1966, 255 p.

VASIL'EV, V.V., A.N. KLEPIKOVA, and A.G. TIMOSHENKO. [Solution of problems in optimum planning using analog computers] Reshenie zadach optimal'nogo planirovaniia na elektronykh model'akh. Kiev, Naukova dumka, 1966. 163 p.

VEDERNIKOV, M.I., and I.V. RUDOI. [Handbook for the operators of compressors and pumping machines in the chemical industry] Mashinist kompressornykh i nasosnykh ustroystv khimicheskoi promyshlennosti. Izd. 2., ispr. Moskva, Vysshaya shkola, 1965. 388 p.

VELIZHEV, F.K. [Short-jet combustion of mazut] Koi otkofakel'noe szhiganiye mazuta. Leningrad, Nedra, 1966. 126 p.

VEL'MOZHIN, A.V. [Behind the steering wheel of a motorist] Za rulem avtomobilya. Volgograd, Nizhne-Volzhskoe knizhnoe izd-vo, 1965. 114 p.

VEREGITIN, I.Z. [Ceramic pulpstones] Keramicheskie defibrirnyye kamni. Moskva, Tsentral'no-nauchno-issledovatel'skiy i tekhniko-eksploataatsionnyy tsentr po lesnoi, tsellulozno-bumazhnoi, derevnoyabityayushchei promyshli i lesnomu khozu. 1966. 35 p. (Bumaga i tselluloza)

[MICROFILM]

VERETENNIK, D.G. [Ways for the automation of determining wood defects by examining them with gamma and X rays] Puti avtomatizatsii opredeleniya porokov drevesiny metodami proyechivaniya gamma i rentgenluchami. Khov [Volgo-Vlzhskoe knizhnoe izd-vo] 1965. 81 p.

[MICROFILM]

VERZIBITSKAIA, V.A. [Reading of drawings] Chienie chertezhe. Kiev, Tekhnika, 1966. 139 p.

VOLCIKEVICH, L.I. [Machine-tool units and automatic lines, methods manual for teachers of technical schools] Agregatnye stanki i avtomaticheskie lini, metodicheskie posobie dlia privedeniya tekhnicheskikh. Moskva, Uchebno-metodicheskiy kabinet Mosgorsovmakhoza, 1965. 58 p.

[MICROFILM]

VOL'DEK, A.I. [Electrical machinery] Elektricheskie mashiny. Moskva, Energiia, 1966. 702 p.

VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT GEOFIZICHESKIKH METODOV RAZVEDKI. Volgo-Ural'skii filial. [Geophysical studies in Bashkiria and adjacent regions] Geofizicheskie issledovaniia v Bashkirii i sosednykh rayonakh, sbornik statei. Ufa, Bashkirskoe knizhnoe izd-vo, 1965. 158 p.

VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT OKHIRANY TRUDA. [Methods instructions on the calculation and design of mills for pneumatic removal of wastes from the FT-2 two-stage filters] Metodicheskie ukazaniia po raschetu i projektirovaniu ustroystv dlia pnevmaticheskogo udaleniia ugarov ot dvukhtapenchatykh filterov FT-2. Ivanovo, 1965. 23 p.

[MICROFILM]

VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT TEKHNIЧЕСКОГО ИНФОРМАЦИИ, КЛАССИФИКАЦИИ И КОДИРОВАНИЯ. [State control of the quality of industrial production in the German Democratic Republic. Information survey] Gosudarstvennyi kontrol' kachestva promyshlennoi produktii v GDR; informatsionnyi obzor. Moskva, Izd-vo Standartov, 1965. 15 p. (Kachestvo, naderzhnost', dolgovechnost', standartizatsiia za rubezhom)

[MICROFILM]

VSESOUZNYI ZAOCHNYI INSTITUT TEKSTIL'NOI I LEGKOI PROMYSHLENNOSTI. Fakul'tet usovershenstvovaniia inzhenerov i rukovodiashekhkh rabotnikov. Kafedra Tekhnologii shvelnogo proizvodstva. [Dimensions and form of the human body; correspondence course lecture cycle for the improvement of the skill of designers and model-makers of tailoring enterprises] Razmory i forma tela cheloveka; tsikl lektarii dlia zaochnogo usovershenstvovaniia znanii konstruktirov-modelirov shvelnykh predpriatii. Moskva, 1962. 37 p.

[MICROFILM]

VYSTAVKA DOSTIZHENII NARODNOGO KHOZIAISTVA SSSR. Ob'edinennye pavil'ony "Stroitel'stvo." [New kinds of equipment and fixtures for sanitary engineering in apartment, industrial, public, and medical buildings; guidebook to the exhibition of this equipment] Novee vidy sanitarno-tekhnicheskogo oborudovaniia i armatury dlia zhilykh, promyshlennykh, obshchestvennykh i lechnykh zdani, putevoditel' po tematicheskoi ekspozitsii. Moskva, 1965. 10 p.

[MICROFILM]

[WELDING AND BUILDING-UP OPERATIONS IN STREET-CAR MAINTENANCE] Svarочно-naplavotnye raboty v tramvaimom khoziaistve. [B.] V.S. Naumenko i dr. Moskva, Stroiizdat, 1966. 202 p.

[WELDING IN CARBON DIOXIDE] Svaika v uglekisloni gازه. Izd. 2., perer. i dop. [By] I.I. Zaruba i dr. Kiev [Tekhnika] 1966. 200 p.

WILSON, MITCHELL A. [American scientists and inventors. Translated from the English] Amerikanskoe uchenye i izobretateli. [Moskva, Znanie, 1961] 148 p. (MU)

[WORKING PRINCIPLE AND REPAIR OF MOTOR VEHICLES] Ustroystvo i remont avtomobilov. [By] N.D. Morozov i dr. Moskva, Vysshaya shkola, 1966. 295 p.

ZAPORIZ'KYI AVTOMOBIL'NYI ZAVOD "KOMUNAR." [The ZAZ-966 V "Zaporozhets" automobile, maintenance manual] Avtomobil "Zaporozhets" modeli ZAZ-966 V, rukovodstvo po ekspluatatsii. Izd. 1. Dnepropetrovsk, Promin, 1966. 208 p.

ZHUKOV, G.M. [Subsurface irrigation systems] Zakrytye osisteli nye s istemy. Moskva, Kolos, 1966. 193 p.

## 17. MILITARY & NAVAL SCIENCES

ALEKSANDROV, A.V. [Ship systems] Sudovye sistemy. [Leningrad] Sudostroenie, 1966. 219 p.

ASTRATOV, N.A. [Demetalization and desorption of water on ships] Oprezheniye i desorptsia vody na sudakh. Leningrad, Sudostroenie, 1966. 268 p.

BARANOV, I.U.K. [Use of sectoral radio beacons in navigation] Ispol'zovanie sektornykh radiomayakov v sudovozhdenii. Izd. 3., dop. i perer. Moskva, Transport, 1966. 83 p. (Kursy usovershenstvovaniia flotsostava MMF)

BUTMAN, B.S. [Organizing the repair of mass-produced fishing boats] Organizatsiia remonta seriinykh rybnopromyslovnykh sudov. Moskva, Pishchevaia promyshlennost', 1966. 78 p.

DANILOV, D.I., and V.V. BELETSKII. [Progressive methods of shipping cargoes by sea] Progressivnye metody morskikh perevozok gruzov. Moskva, Transport, 1966. 150 p.

DVORKIN, M.I. [Automatic electrodeposition of wear-resistant coatings in ship repair] Avtomatizatsiia nanoseniia iznosostoykikh gal'vanopokrytii v sudovomonte. [Moskva] Transport, 1966. 45 p.

GRISHIN, I.U.A. [History of navigation] Istoriia moreplavaniia. Moskva, Transport, 1966. 226 p.

IL'ICHEVSK, Odessa, Malak, 1966. 38 p. illus.

KONCHAEV, V.I., and N.N. BANATOV. [Textbook for ship engineers] Uchebnik sudovogo motorista. Moskva, Transport, 1966. 282 p.

KOSTIUKOV, A.G. [Resistance of water to the movement of ships] Soprotivleniye vody dvizhenii sudov. Leningrad, Sudostroenie, 1966. 447 p.

KOZHUSHNIAK, A.I., L.S. RAKHMAN, and I.U.V. MAK-SIMOV. [Construction of plastic boats] Postroika plastmassovogo sudna. Leningrad, Sudostroenie, 1966. 170 p.

KRYSENKO, G.D. [Modern systems of air defense; methods and means of control of combat operations] Sovremennyye sistemy PVO, metody i sredstva upravleniia boevymi deystviiami. Moskva, Voenizdat, 1966. 243 p.

KURZENKOV, S.G. [Air ace] Vozdushnyi as. Moskva, DOSAAF, 1966. 43 p. (Moledezh i geroinykh i podvigakh)

KUTSENKO, V.L., comp. [Hungarian-Russian military dictionary. Approximately 25,000 terms] Vengelsko-russkii voennyi slovar'. Okolo 25 000 terminov. Moskva, Voenizdat, 1966. 416 p.

KUZ'MIN, F.M., and I.U.K. MATASOV. [Paint materials in ship repair] Okrasochnyye materialy v sudostroenii. Moskva, Transport, 1966. 102 p.

LOGINOV, V.A. [Electric equipment of marine refueling units, maintenance and care] Elektroroborudovaniye sudovykh kholodil'nykh ustroystv, obsluzhivaniye i uchiy. Pod red. G.M. Nikulina. Moskva, Transport, 1966. 17 p.

MALYSHEV, E.I. [Preparation for storage, storage, and poststorage treatment of the electrical equipment of ships] Konservatsiia, khimienie i askonservatsiia sudovogo elektroroborudovaniia. Moskva, Transport, 1966. 26 p.

MERENOV, I.V. [Means of conveyance under water] Sredstva peredvizheniya pod vodoi. Moskva, DOSAAF, 1966. 78 p.

[MODERN WARFARE AND THE PSYCHOLOGY OF THE SOLDIER] Sovremennyy bor'ba psikhologiya volna. Moskva, Voenizdat, 1967. 110 p. (Soldati i mirovaia revoliutsiia v voennom dele)

NIKOL'SKII, L.B., ed. [Korean-Russian military dictionary. Approximately 20,000 terms] Koreiskorusskii voennyi slovar'. Okolo 20 000 terminov. Moskva, Voenizdat, 1966. 281 p.

PLIUSHCHEV, V.A. Nikolai Tomlin. Moskva, Voenizdat, 1966. 146 p. (Voennoe polkovoditsya i voennachal'niki)

PSHIN, A.I.A. [On the call of duty, the combat record of the 1st Kerch-Vlenna Red Banner Brigade of Armored Boats] Po veleniu dolga, boevyi put' 1-oi Kerchskoi o-Venskoi Krasnoznamennoi brigady bronekaterov. Moskva, Voenizdat, 1967. 167 p.

REINGOLDT, I.U.A., ed. [Electric equipment of ships and ship repair yards] Elektroroborudovaniye sudov i sudostroitel'nykh zavodov. [By] I.U.A. Reingoldt i dr. Moskva, Transport, 1966. 350 p.

RODIONOV, A.I. [Automation of navigation] Avtomatizatsiia sudovozhdeniya. Moskva, Transport, 1966. 98 p. (Kursy usovershenstvovaniia flotsostava MMF)

[SHORT GUIDEBOOK TO THE MILITARY HISTORY MUSEUM OF ARTILLERY, ENGINEER TROOPS, AND SIGNAL TROOPS] Voennno-istoricheskii muzei artillerii, inzhenernykh voisk i voisk svyazi. Kratkii putevoditel' 5. izd. Pod obshechiel' red. A.A. Bumagha. Leningrad, 1966. 231 p.

SIDEL'NIKOV, I.I. [To the soldier about the new five-year plan] Volnu - o novoi platiike. Moskva, Voenizdat, 1966. 60 p.

SMANTSER, A.I. [Overall automation of the power plant of river steamboats] Kompleksnaya avtomatizatsiia silovykh uslovykh tekhnicheskikh priokhodov. Moskva, Transport, 1966. 144 p.

TSENTRAL'NYI MUZEI VOORUZHENNYKH SIL SSSR. Ialosh Gavio. Moskva, 1966. 25 p.

VLASOV, V.G., and V.G. SVECHNIKOV. [Electronic navigation device] Elektronnaya navigatsionnaya pribor. Izd. 2., perer. i dop. Moskva, Transport, 1966. 334 p.

VODOP'YANOV, M.V. [Friends in the sky] Druz'ia v nebe. Moskva, Sov. Rossiia, 1967. 200 p. (Russkay byvalykh liudoi)

VORONOV, V.V., and V.K. PERFIL'EV. [Atlas of electric navigation equipment] Atlas elektronnaynavigatsionnykh priborov. Moskva, Transport, 1966. 63 p.

## PART B—PERIODICALS

An asterisk (\*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue.

### 1. GENERAL

#### SCHOLARLY JOURNALS

AKADEMIA NAUK ARMANSKOI SSR, *Erivan*, *Vestnik obshchestvennykh nauk* [ACADEMY OF SCIENCES OF THE ARMENIAN S.S.R. Review of Social Sciences], Erivan, no. 5(270), May 1966.

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AKADEMIA NAUK MOLDAVSKOI SSR, *Izvestia* [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin], Kishinev, no. 5, 1965.

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\*AKADEMIA NAUK SSSR, *Vestnik* [ACADEMY OF SCIENCES OF THE U.S.S.R. Journal], Moscow, vol. 36, no. 12, Dec. 1966.

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ESTI NSV TEADUSTE AKADEEMIA. Toimetuselised. Uhisloonnateaduste seeria. Izvestiya Akademii nauk Estoniskoi SSR. Seriya obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Bulletin. Series in the Social Sciences]. Tallinn, vol. 15, no. 3, 1966.

GORKIY, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies]. No. 66, 1965. Series in foreign languages.

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- Table of contents translated  
 Flisov, I. I. - The leasing of land in Mordovia before the Reform of 1861. p. 3.  
 Tshukin, A. V. - Mordvinian contacts with the Kiev Principality according to the "Annals of pasted years." p. 77.

**\*SOVETSKAIA ANTARKTICHESKAIA EKSPEDITSIIA, 1955-1958. Informatsionnyi bulletin [SOVIET ANTARCTIC EXPEDITION, 1955-1958. Information Bulletin]. Leningrad, no. 59, 1966.**

- Table of contents translated  
 Burkov, N. I., Petrov, V. N. - Variations of snow accumulation and some characteristics of the climate and atmospheric circulation of Antarctica. p. 5.  
 Vinogradov, O. N. - Changes in the relief of the snow surface at Mirnyy from 1958-1964. p. 15.  
 Glikov, G. E. - Conditions of geological work on Palmer Peninsula. p. 20.  
 Artem'ev, A. N. - Meteorological regime of Schmidtacher Ponds. p. 27.  
 Kapelaki, V. N. - Vertical structure of the warm nucleus in the Antarctic. p. 32.  
 Grigor'ev, I. U. A. - Study of the water, heat, and salt discharges at the Africa-Antarctica and New Zealand-Antarctica cross sections. p. 38.  
 Leont'ev, E. B. - Iceberg distribution in Alashejev Bight. p. 47.  
 Stroeve, P. A., Trolov, A. I. - Subglacial relief in the region of Schirmacher Ponds. p. 50.  
 Kuparov, L. P. - Passage of 500-1000 kc radio waves at Mirnyy in 1964. p. 55.  
 Zborovskaya, I. M. - Sporadic ionization in the E region according to data of observations at Mirnyy for 1962. p. 60.  
 Pryor, M. E. - Present state of the study of terrestrial Arthropoda in Antarctica. p. 65.  
 Spichkin, V. A. - Accumulation of seawater on the Antarctic fast ice. p. 75.  
 By radio from the Antarctic. p. 76.  
 Kamenev, V. M. - A record-holding penguin. p. 81.  
 Farangol's, I. - A "hot" and "salt" lake in Antarctica. p. 82.  
 Bibliography. p. 88.

**TAMBOV, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT, Nauchnye raboty studentov: Filologiya, istoriya, pedagogika [STATE PEDAGOGICAL INSTITUTE. Student Research Papers: Philology, History, Pedagogy]. No. 1, 1963.**

- Table of contents translated  
 Anatoli Zharov and others. - The heroes of the Soviet Union from Tambov Province. p. 3.

- Lev Protasov - How the masses of soldiers struggled for the Soviet regime in the Tambov Government, p. 12.
- Evgenii Steklov - The state of present day Soviet prose, p. 31.
- Russian Synonyms - The names of populated places in the Gavrilovo, Gzhdanovka, Kirsanov, and Umet Districts in Tambov Province; within the boundaries of 1959, p. 18.
- Vadim Rykovskii - The dialect of the village of Gromushka in the Zherdevka District of Tambov Province, p. 56.
- Vladimir Chernikovskii - Forms and methods of combining the physics classwork with the manual training of students, p. 70.
- TARTU, ULIKOOL** Toimetised, Uchenye zapiski Tarkutshogo gosudarstvennogo universiteta [UNIVERSITY, Studies], No. 174, 1965. Trudy po filosofii [Works in Philosophy], vol. 9, No. 175, 1965. Trudy po pravovedeniiu [Works in Jurisprudence], vol. 3, No. 177, 1965. Trudy po matematike i mekhanike [Works in Mathematics and Mechanics], vol. 5, No. 180, 1965. Trudy po zoologii [Works in Zoology], vol. 3, No. 185, 1965. Trudy po fiziologii i biokhimiit razvitiu [Works in Physiology and Biochemistry] vol. 2.
- TASHKENT, UNIVERSITET**, Nauchnye trudy [UNIVERSITY, Studies], No. 281, 1966. Materialy po istorii Srednei Azii [Articles on the history of Central Asia]. Table of contents translated.
- Rakhmanova, R. M. - Pre-revolutionary studies devoted to the ancient history of Central Asia, p. 5.
- Itat'kov, V. S. - Commercial contacts of the Kazakhs with Central Asia and Russia in the 18th century, p. 11.
- Sokolov, I. A. - History of the incorporation of the Tashkent region into the Kokand Khanate, p. 25.
- Khamraev, A. Kh. - Some data on slavery in the Uzbek Khanates of the 19th century, p. 31.
- Sadykov, A. S. - Artisans of the Khiva Khanate in the late 19th and early 20th centuries, p. 35.
- Chabrov, G. N. - Preparing a chronology of cultural life in pre-revolutionary Turkestan, 1865-1900, p. 43.
- Kovalev, P. A. - The mass struggle of 1916 and the members of the Duma in Turkestan, p. 53.
- Erzin, Kh. A. - How the bourgeois press covered social and political events in Turkestan in 1917, p. 65.
- Tashmukhammadov, A. M. - History of the agrarian movement in Uzbekistan on the eve of the October Revolution, March-October 1917, p. 72.
- Matveev, A. M. - History of the participation of the foreign-born Slavs in the social and political life of Turkestan in 1918-1920, p. 82.
- Glas, I. I. - Organization of the Communist Youth League in Bukhara, p. 94.
- Nurlov, A. N. - Work of the political sections of machine-tractor stations with the rural youth of Uzbekistan, 1933-1934, p. 97.
- Nikol'skii, G. B. - Some data on the history and ethnography of Uighurs in southern Turkmenistan, in the light of the amalgamation of nations, p. 104.
- TASHKENT, UNIVERSITET**, Trudy [UNIVERSITY, Transactions], No. 282, 1966. Nekotorye voprosy gosudarstva i prava [Some problems in the theory of the state and law]. Table of contents translated:
- Manetta, B. L. - The views of foreign communist parties on the unitary and federal form of the state, p. 5.
- Agzamkhodzhaev, A. A. - The Tajik A. S. S. R., as a part of the Uzbek S. S. R., p. 23.
- Gordienko, A. A. - Participation of native workers in the establishment of the Soviet regime in Turkestan, p. 34.
- Inandzhanov, Z. I. - History of the establishment of the Turkmen A. S. S. R., as a part of the R. S. F. S. R., p. 51.
- Samatova, Kh. S. - Establishment of the people's Soviet state in Khorezm Oasis, p. 63.
- Rasulev, A. Kh. - History of comrades courts in Uzbekistan, p. 74.
- Akhundzhanov, L. M. - Incorporation of the Kara-Kaipak A. S. S. R. into the Uzbek S. S. R. and the enactment of its Constitution, p. 87.
- Zakuski, S. G. - Some problems of correlation between the criminal and criminal procedure laws of the Uzbek S. S. R., p. 95.
- Pesin, I. A. E. - Some problems in the trial of divorce cases, p. 108.
- Akhmedov, B. A. - Development of higher legal education in Uzbekistan, p. 115.
- TOMSK, UNIVERSITET**, Trudy [UNIVERSITY, Transactions], Vol. 180, 1965. Voprosy mezhdunarodnykh otnoshenii, istoriografi i istochnikovedeniia; sbornik nauchnykh rabot kafedry novoi i novoi istorii [Problems in international relations, historiography, and the sources of history; collected studies of the Department of Modern and Recent History], no. 1. Table of contents translated:
- Balobayev, A. I. - Militaristic propaganda in Germany in 1908-1909, p. 3.
- Bisk, I. A. - History of the communist press in the Weimar Republic, p. 17.
- Volkov, S. V. - Political struggle in the ruling circles of the United States of America related to the problems of foreign policy, May-August 1951, p. 28.
- Zhigalov, D. S. - How capitalist monopolies influenced the policy of the U. S. Government in the Far East, 1903-1913, p. 48.
- Indukaeva, N. S. - Efforts of American diplomacy to establish U. S. control over the Chinese Eastern Railroad at the Washington Conference of 1921-1922, p. 71.
- Ivanov, V. V. - The principle of historicism in V. I. Lenin's method of scholarly study, based on his works published in 1893, p. 83.
- Pinigin, V. V. - Discussion of the problem of the second front in the English press, June-December 1942, p. 106.
- Chimist-Dorzhiev, Sh. L. - A visit to Russia of Tugloho, a leader of the Mongolian struggle against Manchurian domination, 1910-1911, p. 122.
- Dombrovskii, I. A. - The U. S. A. and the allotment of German colonies in the Pacific region during the First World War, p. 128.
- Balobayeva, Z. V. - Anglo-American relations from the position of Anglo-Saxon unity, p. 147.
- VOVGOGRAFI, GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT**, Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies], No. 18, 1964. Faculty of Natural Sciences and Geography. Table of contents translated.
- Asoskova, M. N. - Dynamics of fruit bud formation in the grapevine under conditions prevailing in Volgograd Province, p. 3.
- Kohlva, M. N. - Some data on vegetative reproduction of weeds in the northern part of the Voiga-Akhluks Floodplain, p. 11.
- Romantseva, A. A. - Inheritance of some morphological characters in hybrid grape seedlings, p. 23.
- Podobed, N. D., Karpushova, A. G. - Theory of photolabile dimeric filtration, p. 49.
- Gus'kova, M. K., Liskova, A. G. - From work practices in conducting practical work of students on the school geography plot, p. 63.
- Panin, I. I., Kazarhian, Z. A. - The Kanyshina industrial center, p. 70.
- Strulev, M. S. - Food industry at the Volgograd industrial center, p. 99.
- Krjukov, A. S. - Phytogeographical study of cities, p. 115.
- Nikitin, S. I. - Characteristics of soils of the Solonetz complex in the soil zones of the lower Voiga Valley, p. 120.
- Tsygankov, A. V., Nikitin, S. I., Aleshin, V. M. - Some opinions on the development of erosion, p. 141.
- Larikov, G. M. - Yasnaya Polyana superhorizon on the southeastern slope of the Voronezh Massif, p. 149.
- VORONEZH, UNIVERSITET**, Trudy [UNIVERSITY, Transactions], Vol. 63, 1965. Geological Papers. Table of contents translated:
- Sava Gavrillovich Vshnikov, p. 3.
- Ruzhitskii, V. O. - Deep faults as a factor conducive to the detection of kimberlites in the Russian Platform, p. 7.
- Chernyshev, N. M. - Some characteristics of the structure of the Akhtala ore field (northern Armenia) and basic stages in its development, p. 16.
- Chelverikov, L. I. - Some characteristics of observed variability of the parameters of mineral bodies as related to their structure and method of study, p. 24.
- Berezintseva, L. A., and others. - Stratigraphic correlation of Upper Cretaceous deposits of the southern slope of the Voronezh anticline based on the foraminifer fauna, p. 39.
- Krasnenkov, R. V. - Unusual structural terrace on the Cenomanian sands, p. 48.
- Frolov, S. M., Chernyshev, N. M. - Mineralogical and morphological characteristics of amygdulites and their significance in determining the structure and conditions of the formation of lava flows as exemplified by the effusive rocks of northern Armenia, p. 60.
- Skul'fin, P. K. - Relief features of effusive and intrusive rock in the orthoamphibolites and amphibole gneisses of the Kola series (northwestern part of the Kola Peninsula), p. 66.
- Kleshech, G. K. - Middle Paleozoic magmatic cycle of the Ormolu Massif and the western part of the Chukchi folded system, p. 70.
- Shurankova, G. V. - Spore and pollen complexes in the Neocomian deposits of the Central Chernozem Region, p. 85.
- Shufin, P. K. - Relief features of primary sediments in the paragneisses of the Kola series in the northwestern part of the Kola Peninsula, p. 97.
- Krasnenkov, R. V. - Large detached glacial block at the latitude of Voronezh, p. 107.
- Klimenko, M. A. - Some geomorphological signs of recent tectonic movements in the lower Voronezh Valley, p. 108.
- Gishchenko, M. N. - Geological age of the Yergeni strata of the Oka-Don Lowland, p. 112.
- Phasenko, N. A. - Monogram for determining the absolute magnetic and hematite content of hematite-magnetite ores and rocks on the basis of the data of chemical analyses, p. 117.
- Furman, I. A. - Hypothesis in geology, p. 120.
- Piobishvili, V. N. - Concerning M. S. Tsygankov's article "Geomorphological structure and age of the territory of Voronezh Province as the most important element in establishing soil regions," p. 135.
- Cheremukhin, D. A. - Geologists in the service of their country, p. 138.
- b POPULAR MAGAZINES**
- AMERIKA**, illiustirovannyi zhurnal [AMERICA ILLUSTRATED], Published by the United States Information Agency, Washington, D. C., no. 125, 1967.
- ANGLIA** [ENGLAND], London, no. 4, 1966; no. 1, 1967.
- BARVINOK** [PERWINKLE], Issued by Tsentral'nyi komitet Leninskogo komunisticheskogo soiuza molodi Ukrainy and Respublikansk'ia rada Vsesolunnoi pioners'koi organizatsii imeni V. I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers], Kiev, no. 12, Dec. 1966, no. 1, Jan. 1967.
- BELARUS'** [WHITE RUSSIA], Organ of Sotuz pis'mennitskan DSSR [Association of Writers of the White Russian S. S. R.], Minsk, vol. 24, no. 1(258), Jan. 1967.
- BIAROSKA** [THE LITTLE BIRCH], Issued by Tsentral'nyi komitet Leninskogo komunisticheskogo soiuza molodi Belarusi and Respublikanski Savet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers], Minsk, vol. 42, no. 12, Dec. 1966, vol. 43, no. 1, Jan. 1967.
- DADZIS** [THISTLE], Riga, nos. 1(241)-2(242), 1967. [In Latvian].
- KAPKAN**, chuvashskii satiricheski zhurnal [TRAP, Chuvash Satirical Magazine], Cheboksary, nos. 23(512)-24(513), Dec. 1966, nos. 1(514)-3(516), Jan.-Feb. 1967. [In Chuvash].
- KHOPUSHTAK** [HEDGEHOG], Dushanbe, nos. 22(173)-24(175), Nov.-Dec. 1966. [In Tajik].
- KITAI** [CHINA], Published by Izdatel'stvo literaturnykh i inostrannykhazykh [Publishing House for Literature in Foreign Languages], Peking, no. 9, 1966.
- KROKODIL** [CROCODILE], Issued by gazeta [Newspaper] "Pravda," Moscow, vol. 45, nos. 2(1832)-4(1834), Jan.-Feb. 1967.
- KRYLATI** [THE WINGED ONES], Issued by Tsentral'na upravu SUM [Central Committee of the Ukrainian Youth Association], New York, vol. 4, no. 11, Nov. 1966.
- KUBA** [CUBA], Havana and Moscow, no. 6(22), June 1966.
- KUL'TURA I ZHIZN'** [CULTURE AND LIFE], Issued by Sotuz sovetskikh obshchestv dushizh i kul'turnoi svyazi s zarubezhnyimi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries], Moscow, vol. 11, nos. 1-2, Jan.-Feb. 1967.
- KULTUR JA ELU** [CULTURE AND LIFE], Issued by Eesti NSV Kultuuriministeerium ja Eesti NSV Ameerika Ühendkõrgem Nõukogu [Ministry of Culture of the Estonian S. S. R. and the Council of Trade Unions of the Estonian S. S. R.], Tallinn, vol. 10, no. 1, Jan. 1967. [In Estonian].
- LIESMA** [FLAME], Issued by Latvijas LKJS Centrālā komiteja [Central Committee of the Lenin Communist Youth League of Latvia], Riga, no. 1(100), Jan. 1967. [In Latvian].
- LYSTY DO PRIYATELY, LETTERS TO FRIENDS**, Newark, N. J., vol. 14, no. 11-12(103-104), 1966.
- MIDENIET ZHENE TURMYS** [CULTURE AND LIFE], Issued by Ministerstvo kul'tury Kazakhskoi SSR [Ministry of Culture of the Kazakh S. S. R.], Alma-Ata, no. 1(103), Jan. 1967. [In Kazakh].

**MURZILKA** [Issued by Tsentral'nyi Komitet Vsesoiuznogo leninskogo kommunisticheskogo soyuza molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the V.I. Lenin All-Union Pioneer Organization]. Moscow, nos. 1-2, Jan.-Feb. 1967.

**MY I SVIT. WE AND THE WORLD**, Toronto, vol. 17, nos. 130-131, 133-135, Jan.-Apr., July-Dec. 1966, vol. 18, no. 136, Jan.-Feb. 1967.

**NIVA [FIELDS OF GRAIN]**, Moscow, no. 12, 1966; no. 1, 1967.

**NOORUS [YOUTH]** Issued by Eestiüha Leninliku Kommunistliku Noor-sõudajate Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia] Tallinn, vol. 22, no. 1213, Jan. 1967 [in Estonian].

**NOVAIA ALBANIA [NEW ALBANIA]** Tirana, no. 5, 1966.

**NOVOSTI AMERIKANSKOI KUL'TURY [NEWS OF AMERICAN CULTURE]**, Issued by Amerikanskoe posol'stvo [U.S. Embassy]. Moscow, no. 56, [1966].

**OBISHESTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]**, Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 10, nos. 11-12, 1966.

**OGONEK [THE LITTLE LIGHT]**, Moscow, vol. 45, nos. 4(2065) 6(2067), Jan.-Feb. 1967.

**PERETS' [PEPPER]**, Issued by Vydavnytstvo [Publishing House] "Radians'ka Ukraina," Kiev, no. 2(756), Jan. 1967.

**PIONIR [PIONEER]**, Issued by Tsentral'nyi Komitet Vsesoiuznogo leninskogo kommunisticheskogo soyuza molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers] Moscow, vol. 44, no. 1, Jan. 1967.

**PIONERIJA [PIONEERS]**, Issued by Tsentral'nyi Komitet Lenins'koho kommunisticheskogo soyuza molodi Ukrainy and Respublikans'ka Rada Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 44, no. 1(519), Jan. 1967.

**POL'SHA [POLAND]**, Warsaw, no. 2(150), 1967.

**RT; obshchestvenno-politicheski i ilustrirovannyi zhurnal [RT, Sociopolitical Illustrated Weekly]**, Issued by Komitet po radioveshchaniu i televideniiu pri Sovete Ministrov SSSR [Committee for Radio Broadcasting and Television, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, nos. 4(34) 8(38), 1967.

**RABOCHIE-KREST'YANSKII KORRESPONDENT [WORKERS AND PEASANTS' CORRESPONDENT]**, Published by Izd-vo [Publishing House] "Pravda," Moscow, no. 2, 1967.

**RODNYE DALI [BELOVED VISTAS]**, Hollywood, Calif., vol. 12, nos. 150-153, Sep.-Dec. 1966; vol. 13, nos. 154-155, Jan.-Feb. 1967.

**ROVESNIK [CONTEMPORARY]**, Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U.S.S.R.]. Moscow, vol. 4, no. 4(46), Apr. 1966; vol. 5, nos. 9(51), 11(53), Sep.-Nov. 1966.

**SEL'SKAIA MOLODEZII' [RURAL YOUTH]**, Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 1, Jan. 1967.

**SHMEL' [BUMBLEBEE]**, Alma-Ata, vol. 10, no. 12(131), Dec. 1966, vol. 11, no. 1(132), Jan. 1967. [In Kazakh].

**SLUOTA [THE BROOM]**, Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 24(205), Dec. 1966; nos. 1(206) 2(207), Jan. 1967. [In Lithuanian].

**SOGLASIE [CONCORD]**, Los Angeles, Calif., nos. 181-182, Oct.-Nov. 1966; no. 185, Feb. 1967.

**SOTSIALISTYCHNA KULTURA [SOCIALIST CULTURE]**, Organ of Ministerstvo kultury USSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, nos. 1-2, Jan.-Feb. 1967.

**SOVETSKII SOIUZ [SOVIET UNION]** Moscow, no. 2(204), 1967.

**SOVREMENNAIA MONGOLIA [CONTEMPORARY MONGOLIA]** Ulan Bator, vol. 11, no. 11(106), Nov. 1966.

**SVOBODNOE SLOVO, zhemeslaciunnyi kalendar-russkii zhurnal [FREE WORD, Calendar-Russian Monthly]**, Newark, vol. 8, nos. 7/8(91-92)-9/10(93-94), 1966, vol. 9, no. 1/2(97-98), Jan.-Feb. 1967.

**SVYTURYS [THE LIGHTHOUSE]** Vilnius, vol. 18, nos. 23(431)-24(432), Dec. 1966 [in Lithuanian].

**TAHEKE [THE LITTLE STAR]**, Issued by ELKNU Kesk-komitee and ENSV Pioneerorganisatsioon Nookogu [Central Committee of the Lenin Communist Youth League of Estonia and the Council of the Pioneers of the Estonian S.S.R.]. Tallinn, no. 5, 1965 [in Estonian].

**TURIST [TOURIST]**, Issued by VTsSPS [All-Union Central Council of Trade Unions]. Moscow, vol. 2, no. 1, 1967.

**UKRAINA [THE UKRAINE]**, Published by Vydavnytstvo "Radians'ka Ukraina" [Publishing House "Soviet Ukraine"], Kiev, vol. 26, no. 50(518), Dec. 1966, vol. 26, nos. 3(523), 5(525)-6(526), Jan.-Feb. 1967.

**URAL'SKII SLEDOPIYT [URAL PATHFINDER]**, Issued by Sverdlovskoe otdeleniye Soyuza pisatelei i Sverdlovskii promyshlennyi i sel'skii obkomy VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Industrial and Agricultural Committees of the All-Union Communist Youth League of Lenin]. Sverdlovsk, vol. 9, no. 12, Dec. 1966.

**UZBEKISTON [UZBEKISTAN]**, Tashkent, vol. 25, no. 12(300), Dec. 1966.

**VESELKA, THE RAINBOW**, Published by Ukrainian National Association, Jersey City, vol. 8, nos. 11(147)-12(148), Nov.-Dec. 1967.

**V'ETNAM [VIETNAM]**, Hanoi, Vietnam, nos. 11(10)-12(11), 1966.

**VOZHATYI [PIONEER GUIDE]**, Published by Tsentral'nyi Komitet Vsesoiuznogo leninskogo kommunisticheskogo soyuza molodezhi i Tsentral'nyi sovet Vsesoiuznoi pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 43, no. 1, Jan. 1967.

**VOZHNYK [HEDGEHOG]**, Minsk, vol. 26, no. 24(646), Dec. 1966, vol. 27, nos. 1(647)-2(648), Jan.-Feb. 1967.

**VSESVIT, THE WORLD**, Issued by Spilka pys'mennykh Ukrainy and Ukrain's'ke tovarystvo druzhby i kul'turnoho zyt'azku z zarubizhnyy krainamy [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol. 10, nos. 1(103)-2(104), Jan.-Feb. 1967.

**VYZVOL'NYI SHLIKH [LIBERATION PATH]**, London, vol. 20, nos. 1(226)-2(227), Jan.-Feb. 1967.

**ZHIZN' GLUKHIKH [LIFE OF THE DEAF]**, Issued by Vserossiiskoe obshchestvo gluhiikh [All-Russian Society of the Deaf]. Moscow, vol. 20, no. 2, Feb. 1967.

**ZHIZN' SLEPYKH [LIFE OF THE BLIND]**, Organ of Vserossiiskoe obshchestvo slepykh [All-Russian Society of the Blind]. Moscow, vol. 44, no. 1, Jan. 1967.

**ZVAIGZNE [THE STAR]**, Riga, vol. 17, nos. 1(305)-2(306), Jan. 1967. [In Latvian].

## 2. BIBLIOGRAPHY

### a. BIBLIOGRAPHY

**BIBLIOGRAFIJA INOSTRANNOI BIBLIOGRAFI PO KHIMII [BIBLIOGRAPHY OF FOREIGN BIBLIOGRAPHY ON CHEMISTRY]**, Issued by Biblioteka Akademii nauk SSSR [Library of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1966.

**INFORMATSIONNYI UKAZATEL' BIBLIOGRAFICHE-SKIKH SPIKOV I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION]**, Issued by Gosudarstvennaya biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol. 11, nos. 1-2, Jan. 1967.

**KNIZHNAIA LETOPIS' [BOOK CHRONICLE]**, Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 2-5, 1967.

**LATVIJAS PSR PRESESI IRONIKA. LETOPIS' PEECHIATU LATVIJSKII SSR [CHRONICLE OF PUBLICATIONS OF THE LATVIAN S.S.R.]**, Issued by Latvijas PSR gramatu palata [Book Chamber of the Latvian S.S.R.]. Riga, nos. 9 II, Sep.-Nov. 1966.

**LETAPIS DRUKU BSSR. LETOPIS' PEECHIATU BSSR [CHRONICLE OF THE PUBLICATIONS OF THE WHITE RUSSIAN S.S.R.]**, Issued by Dziai zhannala biblioteka BSSR and Knizhnaia palata BSSR [State Library of the White Russian S.S.R. and the Book Chamber of the White Russian S.S.R.]. Minsk, no. 9, Sep. 1966. Dapamozhnyia pokazal'niki [Indexes to nos. 1-12, Jan.-Dec. 1965], publ. 1966.

**LETOPIS' GAZETNYKH STATEI [CHRONICLE OF NEWSPAPER ARTICLES]**, Issued by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, no. 12, 1966.

**LETOPIS' ZHURNAL'NYKH STATEI [CHRONICLE OF PERIODICAL ARTICLES]**, Published by Vsesoiuznaia knizhnaia palata [All-Union Book Chamber]. Moscow, nos. 1-4, 1967. Vspomogatel'nye ukazatel'i k nos. 1-13 za 1966 g. [Indexes to nos. 1-12 for 1966].

**MOSCOW, PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seria 1: Fiziko-matematicheskie i khimicheskie nauki, nauki o zemle, tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences]**, Vol. 12, nos. 1-2, Jan. 1967.

**MOSCOW, PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seria 2: Biologicheskie nauki, sel'skoe i lesnoe khozjstvo, sel'skookhozjstvennye i lesokhozjstvennye nauki, zdorovokhnanie, meditsinskie nauki [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]**, Vol. 10, nos. 1-2, Jan. 1967.

**MOSCOW, PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seria 3: Obshche-stvennye nauki, khudozhestvennaya literatura, iskusstvo [PUBLIC LIBRARY, Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3: Social Sciences, Belles-Lettres, Art]**, Vol. 10, nos. 1-2, Jan. 1967.

**NOVAIA LITERATURA O NAUKE I NAUCHNO ISSLEDovATEL'SKOI RABOTE ZA RUBEZHOM [NEW LITERATURE ON SCIENCE AND RESEARCH ABROAD]**, Issued by Fundamental'nai biblioteka obshchestvennykh nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 10, 12, 1966.

**NOVAIA LITERATURA PO BOLGARI [NEW LITERATURE ON BULGARIA]**, Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others, Moscow, no. 11, 1966.

**NOVAIA LITERATURA PO CHEKHOSLOVAKII [NEW LITERATURE ON CZECHOSLOVAKIA]**, Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others, Moscow, no. 11, 1966; no. 1, 1967.

**NOVAIA LITERATURA PO GERMANSKOI DEMOKRATICHESKOI RESPUBLIKE [NEW LITERATURE ON THE GERMAN DEMOCRATIC REPUBLIC]**, Issued by Fundamental'nai biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others, Moscow, nos. 11-12, 1966.

**NOVAIA LITERATURA PO YUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no 9/10-17, 1968.

**NOVAIA LITERATURA PO POL'SHE [NEW LITERATURE ON POLAND]** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos. 11-12, 1968.

**NOVAIA LITERATURA PO RUMYNI [NEW LITERATURE ON RUMANIA]** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos. 11-12, 1968.

**NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, nos. 11-12, 1968.

**NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO STRANAM AZII I AFRIKI [NEW SOVIET AND FOREIGN LITERATURE ON THE COUNTRIES OF ASIA AND AFRICA]** Issued by fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 12, 1968.

**NOVAIA SOVETSKAIA LITERATURA O NAUKE I NAUCHNO-ISLEDovATEL'SKOI RABOTE V SSSR [NEW SOVIET LITERATURE ON SCIENCE AND GENERAL RESEARCH IN THE U.S.S.R.]** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1968.

**NOVYE KNIGI SSSR [NEW BOOKS OF THE U.S.S.R.]** Issued by Vsesoyuznoe obshchestvennoye "Mezhdunarodnaya kniga" [All-Union Association "International Book"] Moscow, nos. 2-4, Jan. 1967.

**NOVYE KNIGI ZA RUBEZHOM Seriya V: Biologiya, meditsina, sel'skoe khozaystvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]** Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. II, no. 1, Jan. 1967.

**NOVYE KNIGI ZA RUBEZHOM PO ODSHCHESTVENNYM NAUKAM, ekonomika, filosofiya, istoriya, mezhdunarodnye otnosheniya [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES: Economics, Philosophy, History, International Relations]** Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 9, no. II, Nov. 1966; vol. 10, no. 1, Jan. 1967.

**SOVETSKAIA BIBLIOGRAFIYA [SOVIET BIBLIOGRAPHY]** Issued by Vsesoyuznaya knizhnitsa palata [All-Union Book Chamber]. Moscow, no. 5, (87), 1961.

Table of contents translated.  
Fenotov, G. P. - Important problems. p. 3.  
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Table of contents translated.  
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**V MIRE KNIG [IN THE WORLD OF BOOKS]** Organ of Gosudarstvennyi Komitet Soveta Ministrov SSSR po pechatii [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, vol. 6, no. 10, Oct. 1966.

Table of contents translated.  
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**AKADEMIYA NAUK SSSR, Biblioteka, Noveye inostrannyye knigi, katalog novykh postuplenii... [ACADEMY OF SCIENCES OF THE U.S.S.R. Library New Foreign Books Catalog of New Accessions...]** Leningrad, no. 11(174), 1966.

**BIBLIOTEKAR' [THE LIBRARIAN]** Organ of Ministerstva kultury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 44, no. 1, Jan. 1967.

Table of contents translated.  
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### c. PRINTING & THE BOOK TRADE

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- Table of contents translated  
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POLIGRAFICHESKOE PROIZVODSTVO [PRINTING INDUSTRY]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no.9, Sep. 1963.

- Table of contents translated  
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MOSCOW. VSESOIUZNAIA GOSUDARSTVENNAIA BIBLIOTEKA INOSTRANNOI LITERATURY. Opyt raboty bibliotek i inostrannoi literatury [ALL-UNION STATE LIBRARY OF FOREIGN LITERATURE. Library Practices in Working With Foreign Materials]. Moscow, no.4, 1961.

- Table of contents translated.  
 Rudala, Z.I. - Description of foreign socioeconomic studies in classified catalogs. p.3.  
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POLIGRAFIYA [PRINTING]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechat' [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, nos.2,11, Feb., Nov. 1965, nos.1-10, 12, Jan.-Oct., Dec. 1966, no.1, Jan. 1967.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie Soluz'pechat' Ministerstva svyazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no.1, 1967.

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#### a. PHILOSOPHY

MOSCOW. UNIVERSITET. Vestnik. Seriya 8: Filosofiya [UNIVERSITY. Review. Series 8: Philosophy]. Vol.21, no.3, May-June 1966.

- Table of contents translated  
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NOVAIA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no.11, 1966.

NOVAIA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no.11, 1966.

VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY]. Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol.20, no.12, 1966.

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- Table of contents translated  
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## b RELIGION

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- BOZHYYA SHLIACHAM, ON GOD'S HIGHWAY. Issued by Marian House, London, vol. 14, no. 5(80), Sep.-Oct. 1966.
- DUKHOVNOE PROBUZHDENIE [SPIRITUAL AWAKENING]. Helsinki, vol. 46, nos. 1-2, 1967.
- HOLOS SPASYTELIA, REDEEMER'S VOICE. Issued by Obit Redemptoristy [Redemptorist Fathers], Yorkton, Canada, vol. 38, nos. 10-12, Oct.-Dec. 1966; vol. 39, no. 2, Feb. 1967.
- LIUDYNA I SVIT' [MAN AND THE WORLD]. Issued by Tovnistvo "Znanost" Ukrain's'kol RSR ["Knowledge" Society of the Ukrainian S.S.R.]. Kiev, vol. 7, no. 1(70), Jan. 1967.
- NAUKA I RELIGIJA [SCIENCE AND RELIGION]. Issued by Vsesoyuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society] Moscow, vol. 9, no. 1, 1967.
- NOVAIA SOVETSKAIA I INOSTRANNAIA LITERATURA PO VOPROSAM ATEIZMA I RELIGII [NEW SOVIET AND FOREIGN LITERATURE ON THE PROBLEMS OF ATHEISM AND RELIGION]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, nos. 11-12, 1966.
- RDNA TSERKVA [OUR BELOVED CHURCH]. Issued by Bohoslovsko-naukovyj Instytut Ukrain's'kol avtokefal'no-pravoslavnoi tserkvy na chuzhyj [Theological Institute of the Ukrainian Autocephalous Orthodox Church Abroad]. Munich, vol. 15, no. 68, Oct.-Dec. 1966.
- RUSSKO-AMERIKANSKII PRAVOSLAVNYI VESTNIK. THE RUSSIAN AMERICAN ORTHODOX MESSENGER. Organ of Miropolichii okrug Russkoi Pravoslavnoi Tserkvi v Amerike [Metropolitanate of the Russian Orthodox Church in America]. New York, vol. 63, no. 1, Jan. 1967.
- SVITLO, THE LIGHT. Issued by OO. Vasyliany [The Basilian Fathers]. Toronto, vol. 30, no. 1(229), Jan. 1967.
- TSERKOVNYI VESTNIK [CHURCH HERALD]. Organ of Pravoslavnaia tserkov' v Pol'she [Orthodox Church in Poland]. Warsaw, vol. 13, nos. 10, 12, Oct., Dec. 1966.
- UKRAINS'KE PRAVOSLAVNE SLOVO. UKRAINIAN ORTHODOX WORD. Organ of the Ukrainian Orthodox Church of the United States of America, South Bound Brook, N. J., vol. 17, nos. 8-12, Aug.-Dec. 1966, vol. 18, nos. 1-2, Jan.-Feb. 1967.
- VECHNOE [THE ETERNAL]. Paris, nos. 1(229)-2(230), Jan.-Feb. 1967.

VIRA I KULTURA, FAITH AND CULTURE. Organ of Ukrain's'ke naukovye bohoslav's'ke tovarystvo [Ukrainian Theological Society]. Winnipeg, vol. 30, no. 12(150), Oct. 1966, vol. 31, nos. 1/2(157)-3/4(171), Jan.-Apr. 1967.

- VOPROSY NAUCHNOGO ATEIZMA [PROBLEMS OF SCIENTIFIC ATHEISM]. Issued by Institut nauchnogo ateizma Akademii obshchestvennykh nauk pri TsK KPSS [Institute of Scientific Atheism of the Academy of Social Sciences, Attached to the Central Committee of the CPSU]. Moscow, no. 1, 1966.
- Table of contents translated:
- Okulov, A. F. - For profound scientific development of present-day problems of atheism. p. 7.
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- AKADEMIJA NAUK SSSR, Institut istorii. Srednie veka [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History. The Middle Ages]. Moscow, no. 29, 1966.
- Table of contents translated:
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- Table of contents translated:
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**MOSCOW, GOSUDARSTVENNYI ISTORIKO-ARKHIVNYI INSTITUT. Trudy [STATE INSTITUTE OF HISTORY AND ARCHIVES, Transactions],** Vol. 22, 1965. Historiography of the history of the U.S.S.R.

- Table of contents translated:
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**NOVAIA LITERATURA PO OBSHCHIM PROBLEMAM EVROPEISKIKH SOTSIALISTICHESKIKH STRAN [NEW LITERATURE ON THE GENERAL PROBLEMS OF THE EUROPEAN SOCIALIST COUNTRIES].** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others, Moscow, nos. 11-12, 1966

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**PALESTINSKII SBOENIK [PALESTINE REVIEW].** Issued by Rossiiskoe palestinskoe obshchestvo [Russian Palestine Society], Moscow, no. 16(79), 1966

Contents: Perepelkin, I. U. IA. [Private property in the conception of the Egyptians of the Old Kingdom] Chastnaya sobstvennost' v predstavlenii egiptian Starogo Isarstva. 127 p.

**UKRAINS'KYI ISTORYCHNYI ZHURNAL [UKRAINIAN HISTORICAL JOURNAL].** Issued by Institut istorii Akademii nauk URSS [Institute of History of the Academy of Sciences of the Ukrainian S.S.R.] and others, Kiev, vol. 10, no. 11, Nov. 1968

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Issued by Istorychna komisia Zarevo [Zarevo Historical Committee]. Littleton, Colo., vol. 1, no. 4, 1964, vol. 2, no. 1/2(5-6), 1965, vol. 3, no. 1/2(9-10), 1966.

#### VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstva oborony SSSR [Ministry of Defense of the U. S. S. R.]. Moscow, vol. 8, no. 12, Dec. 1966

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Issued by Institut arkheologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 10, no. 1, 1966.

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Contents: [Export of machinery and equipment by developed capitalist countries; a statistical manual] Eksport mashin i oborudovaniia razvityimi kapitalisticheskimi stranami; statisticheski spravochnik, 583 p.

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# **MOSCOW, INSTITUT NARODNOGO KHOZIAISTVA, Trudy [INSTITUTE OF THE NATIONAL ECONOMY, Transactions], No. 39, 1966. Problems of planning for national consumption.**

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# **NOVAIA SOVITSKAYA EKONOMICHESKAYA LITERATURA [NEW SOVIET ECONOMIC LITERATURE].** Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 10, 11, 1966.

# **PLANOVOE KHOZIAISTVO [PLANNED ECONOMY].** Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.], Moscow, vol. 43, no. 1, Jan. 1967.

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# **Sbornik pravil perevozok i tarifov richnogo transporta RSFSR [REGULATIONS GOVERNING RIVER TRANSPORTATION AND RATES IN THE R.S.F.S.R.].** Issued by Ministerstvo rechnogo flota RSFSR [Ministry of the River Fleet of the R.S.F.S.R.], Moscow, nos. 1-3, 1966.

# **UCHET I FINANSY V KOLHOZAKH I SOVKHOZAKH [ACCOUNTING AND FINANCE ON COLLECTIVE AND STATE FARMS].** Issued by Ministerstvo sel'skogo khozaiastva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 24, no. 1, Jan. 1967.

# **UKRAINSKYI HOPODARNYK. THE UKRAINIAN ECONOMIST.** New York, vol. 3, no. 6, 1956. [In Ukrainian]

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### RABOTNITSA [THE WOMAN WORKER]. Published by Izd-vo [Publishing House] "Pravda." Moscow, nos.1-2, Jan.-Feb. 1967.

### RABOTNITSA I SIALIANKA [THE WOMAN WORKER AND THE PEASANT WOMAN]. Issued by Tsentral'ny Kamitet Komunisticheskoy partii Belarusi [Central Committee of the Communist Party of White Russia]. Minsk, vol.43, no.1, Jan. 1967.

### SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi Komitet Soveta Ministrov SSSR po voprosam truda i zabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol.11, no.12, Dec.1966.

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### SOVETSKIE PROFSOJUZY [SOVIET TRADE UNIONS]. Issued by Vsesoyuznyi Tsentral'nyi Sovet Professional'nykh Sotuzov [All-Union Central Council of Trade Unions]. Moscow, vol.22, no.23(353), Dec.1963.

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## e SOCIOLOGY

- AZERBAIJAN GADYNY [AZERBAIJAN WOMAN]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Azerbaidzhana [Central Committee of the Communist Party of Azerbaijan]. Baku, no. 12, Dec 1966, no. 1, Jan 1967.
- KAZACH'IA ZHIHN' [COSSACK LIFE]. Issued by Vostochnii kazach'e-amerikanskogo narodnogo soluzh [Second Division of the Cossack American National Alliance, Inc.]. Providence, R.I., vol. 14, no. 162, Aug. 1966, vol. 15, no. 167, Jan. 1967.
- KAZAKHSTAN ELDERI [KAZAKHSTAN WOMAN]. Alma-Ata, no. 1, Jan. 1967. [in Kazakh]
- KOMSOMOL' SKAIA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluzh [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos. 1-2, Jan. 1967.
- NASHE ZHITIE. OUR LIFE. Issued by Soluzh ukrainok Ameriky [Ukrainian National Women's League of America, Inc.]. Philadelphia, vol. 23, nos. 8-9, II, Sep.-Oct., Dec. 1966, vol. 24, no. 1, Jan. 1967.
- NOUKOGUDE NAINI [SOVIET WOMAN]. Issued by EKP Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 1, Jan. 1967. [in Estonian]
- PADOMJU LATVIJAS SIEVIETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskas partijas Centrala Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 1(173), Jan. 1967. [in Latvian]
- RADIANS'KA ZHINKA [SOVIET WOMAN]. Kiev, vol. 22, no. 1(253), Jan. 1967.
- SMENA [THE YOUNGER GENERATION]. Organ of Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluzh [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, vol. 44, nos. 1(951)-4(954), Jan.-Feb. 1967.
- SOTSIAL'NOE OBESPECHENIE [SOCIAL SECURITY]. Issued by Ministerstvo sotsial'nogo obespecheniia RSFSR [Ministry of Social Security of the R. S. F. S. R.]. Moscow, vol. 41, no. 12, Dec. 1966.
- Table of contents translated:  
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SOVETSKII KRASNII KREST [SOVIET RED CROSS]. Organ of Ispolnitel'nyi komitet Soluzh obshchestva Krasnogo kresta i Krasnogo potomestitsa SSSR [Executive Committee of the Association of Societies of the Red Cross and Red Crescent of the U. S. S. R.]. Moscow, vol. 17, no. 1(91), Jan.-Feb. 1967.

## 6. POLITICAL SCIENCE

- AGITATOR. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluzh [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 2, Jan. 1962.
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**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Otdel propagandy i agitatsii Irkutskogo obkoma KPSS [Propaganda and Dissemination Section of the Irkutsk Province Committee of the CPSU]. Irkutsk, nos. 8, 13-14, 17-18, Apr., July-Sep. 1966.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Otdel propagandy i agitatsii Kurskogo obkoma KPSS [Propaganda and Dissemination Section of the Kursk Province Committee of the CPSU]. Kursk, no. 2, Jan. 1967.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Viddil propagandy i agitatsii Tsentral'nogo Komiteta Komunisticheskoi partii Ukrainy [Propaganda and Dissemination Section of the Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 24, nos. 1, 5, 14, 24, Jan., Mar., July, Dec. 1966. [In Ukrainian]

**CHASOVOI [THE SENTRY].** Organ of Rossiiskoe natsionalnoe dvizhenie [Russian National Movement]. Brussels, nos. 481(1), 486(12), July-Dec. 1966, nos. 487(1)-488(2), Jan.-Feb. 1967.

**EESTI KOMMUNIST [COMMUNIST OF ESTONIA].** Issued by Eestilinn Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, nos. 1-2, Jan.-Feb. 1967. [In Estonian]

**KAZAKHSTAN KOMMUNISTI [COMMUNIST OF KAZAKHSTAN].** Issued by the Communist Party of Kazakhstan. Alma-Ata, vol. 46, no. 1, Jan. 1967. [In Kazakh]

**KOMMUNIST [COMMUNIST].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 1(511)-2(512), Jan.-Feb. 1967.

**KOMMUNIST [COMMUNIST].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, vol. 43, no. 18, Dec. 1966.

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**KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE].** Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine], Kiev, vol. 41, no. 1, Jan. 1967. [In Ukrainian]

**KOMUNISTAS [COMMUNIST].** Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania], Vilnius, no. 1(51), Jan. 1967. [In Lithuanian]

**LENINIAN UGIUV [LENIN'S WAY].** Issued by Tsentral'nyi Komitet Komunisticheskoi partii Armenii [Central Committee of the Communist Party of Armenia], Erevan, vol. 45, no. 12, Dec. 1966; vol. 46, no. 1, Jan. 1967. [In Armenian]

**MEZHODUNARODNAIA ZHIZN' [INTERNATIONAL LIFE].** Published by Vsesoyuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society], Moscow, vol. 14, no. 1, 1967.

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PARTIYA TURMUSHI [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan]. Tashkent, no. 11, Nov. 1966. [In Uzbek]

PARTIYNAI ZHIZN' [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 1, Jan. 1967.

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PRAVOZNAVSTVO [JURISPRUDENCE]. Kiev, no. 1, 1965.

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PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol. 10, nos. 1(10) 2(102), Jan. -Feb. 1967.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo rossiiskikh emigrantov v Amerike [Russian Immigrants' Representative Association in America]. New York, vol. 8, no. 10(94), 12(99), Oct., Dec. 1966.

SOVIET DEPUTATOV TRUDIASHCHIKHSIA [SOVIETS OF WORKERS' DEPUTIES]. Issued by the Newspaper "Izvestia." Moscow, nos. 1(115)-2(116), Jan. -Feb. 1967.

TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN]. Organ of the Central Committee of the Communist Party of Turkmenistan. Ashkhabad, no. 12, 1966. [In Turkmen]

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan. Tashkent, vol. 39, no. 1, Jan. 1967. [In Uzbek]

VISNYK, THE HERALD, Organ of Organizatsiia oborony choty'r'okh svobod Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol. 20, nos. 11(213)-12(214), Nov. -Dec. 1966.

VOPROSY ISTORIИ KPCC [PROBLEMS IN THE HISTORY OF THE CPSU]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the CPSU]. Moscow, vol. II, no. 1, Jan. 1967.

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ZNAMIA ROSSII, organ ruskoj nezavisimoi monarchicheskoi mysli [THE BANNER OF RUSSIA: Organ of Russian Independent Monarchistic Thought]. New York, no. 273, Jan. 1967.

## 7. LAW

LATVIAN S.S.R. Augstaka Padome, Zinatolys [Supreme Soviet Gazette] Riga, no. 15, 40-52, Apr., Nov. - Dec. 1966.

OTVECHENIE NA VOPROSY RABOCHIKH I SLUZHASHCHIKH, iuridicheskie konsultatsii Profzadava [WE ANSWER WORKERS' AND EMPLOYEES' QUESTIONS: Legal Advice from the Trade-Union Publishing House]. Moscow, nos. 10, 21, 1966.

RADIANSKI KE PRAVO [SOVIET LAW]. Organ of Verkhovnyi Sud URSR [Supreme Court of the Ukrainian S.S.R.] and others, Kiev, vol. 20, no. 12, Dec. 1966.

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RUSSIA (1917 - R. S. F. S. R.) Verkhovnyi Sovet, Vedomosti [Supreme Soviet, Gazette], Moscow, vol. II, nos. 3-4, 0-7, Jan. - Feb. 1967.

RUSSIA (1917 - R. S. F. S. R.) Verkhovnyi Sud, Bulletin [Supreme Court, Bulletin], Moscow, no. 10, 1936, no. 1, 1967.

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**DOSHOL'NOE VOSPITANIE [PRESCHOOL EDUCATION].** Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, vol.39, no.12, Dec. 1966.

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**NARODNAIA ASVETA [PUBLIC EDUCATION].** Organ of Ministerstvo osvityi BSSR [Ministry of Education of the White Russian S.S.R.], Minsk, no.1, Jan. 1967.

**NARODNOE OBRAZOVANIE [PUBLIC EDUCATION].** Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no.12, Dec. 1966.

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**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Biulleten' [Ministry of Higher and Secondary Specialized Education, Bulletin].** Moscow, nos.11-12, Nov.-Dec. 1966.

**SEMIA I SHKOLA [FAMILY AND SCHOOL].** Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.], Moscow, vol.21, no.11, Nov. 1966.

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**SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY].** Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.], Moscow, vol.30, no.6, June 1966.

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- Table of contents translated:
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# VOSPITANIE SHKOL'NIKOV [EDUCATION OF STU- DENTS]. Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, vol. 2, no. 1, 1967.

## b PHYSICAL EDUCATION & GAMES

# FIZICHESKAYA KULTURA V SHKOLE [PHYSICAL EDU- CATION IN SCHOOLS]. Issued by Ministerstvo pro- sveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 1, 1967.

# FIZKUL'TURA I SPORT [PHYSICAL EDUCATION AND SPORTS]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations and Organizations of the U. S. S. R.]. Moscow, no. 1(123), Jan. 1967.

# KEIIAKULTUR [PHYSICAL CULTURE]. Organ of Eesti NSV Spordilinnite ja organisatsioonide Liit [Union of Sports Associations and Organizations of the Estonian S. S. R.]. Tallinn, vol. 28, no. 1(562), Jan. 1967. [In Estonian]

# LEGGKAA ATLETIKA [TRACK AND FIELD ATHLETICS] Organ of Tsentral'nyi sovet Soluza sportivnykh ob- shchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 12, no. 1(140), Jan. 1967.

# SAHS [CHESS]. Issued by Latvian SSR Sporta biedrību un organizāciju savienība and Saka federācija [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, nos. 21(79)-24(182), Nov. Dec. 1966. [In Latvian]

# SHAKHMATNYI BULLETEN' [CHESS BULLETIN]. Organ of Shakhmatnaya federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, vol. 13, no. 1, Jan. 1967.

# SHAKHMATY [CHESS]. Issued by Soluz sportivnykh obshchestv i organizatsii and Shakhmatnaya federatsiia Latvijas SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S. S. R.]. Riga, nos. 22-24, Nov. Dec. 1966; no. 1, Jan. 1967.

# SHAKHMATY V SSSR [CHESS IN THE U. S. S. R.]. Organ of Shakhmatnaya federatsiia SSSR [Chess Federation of the U. S. S. R.]. Moscow, no. 1, Jan. 1967.

# SOVET MAKTABI [SOVIET SCHOOL]. Organ of Min- isterstvo prosveshcheniia Uzbekskoi SSR [Ministry of Education of the Uzbek S. S. R.]. Tashkent, nos. 11-12, Nov. Dec. 1966. [In Uzbek]

# SPORT V SSSR [SPORTS IN THE U. S. S. R.]. Issued by the Periodical "Sovetskii Soluz" ["Soviet Union"]. Moscow, nos. 11(45)-12(46), 1966; no. 2(46), 1967.

# SPORTIVNAIA ZHIZN' ROSSII [SPORTS LIFE IN RUSSIA] Organ of Vsesoiuzskii sovet Soluza sportivnykh ob- shchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol. 11, nos. 1-2, 1967.

# SPORTIVNYE IGRY [ATHLETIC GAMES]. Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 12, nos. 11(138)-12(139), Nov. Dec. 1966; vol. 13, no. 1(140), Jan. 1967.

# START. Organ of Rada Soluza sportivnykh tovarystv i organizatsii Ukrain'skoi RSU [Council of the Union of Sports Associations and Organizations of the Ukrainian S. S. R.]. Kiev, no. 1, Jan. 1967.

# TEORIJA I PRAKTIKA FIZICHESKOI KULTURY [THEO- RY AND PRACTICE OF PHYSICAL CULTURE]. Organ of Tsentral'nyi sovet Soluza sportivnykh ob- shchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U. S. S. R.]. Moscow, vol. 20, no. 11, Nov. 1966. Table of contents translated. Party outline must be carried out! p. 2.



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## 9. MUSIC, THEATER & MOTION PICTURES

### a. MOTION PICTURES

AKTERY ZARUBEZHNOGO KINO [ACTORS OF THE FOREIGN CINEMA]. Moscow, no. 1, 1965.

ISKUSTVO KINO [CINEMA ART]. Organ of Ministerstvo kul'tury SSSR and Soluz rabotnikov kinematografii SSSR [Ministry of Culture of the U. S. S. R. and the Association of Cinematographic Workers of the U. S. S. R.]. Moscow, vol. 36, no. 12, 1968.

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### KINOMEKHANIK [MOTION-PICTURE OPERATOR].

Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po kinematografii [State Committee of the Council of Ministers of the U. S. S. R. for Motion Pictures]. Moscow, no. 1, 1967.

NOVYNY KINOEKRANU [CINEMA NEWS]. Kiev, no. 1(68), Jan. 1967.

SOVETSKII EKLAN [THE SOVIET SCREEN]. Organ of Komitet po kinematografii pri Sovete Ministrov SSSR and Soluz kinematografistov SSSR [Committee for Motion Pictures, Attached to the Council of Ministers of the U. S. S. R., and the Union of Motion-Picture Workers of the U. S. S. R.]. Moscow, nos. 1(241)-2(242), Jan. 1967.

SOVETSKOE RADIO I TELEVIDENIE [SOVIET RADIO AND TELEVISION]. Issued by Gosudarstvennyi komitet po radioveshchaniu i televideniiu pri Sovete Ministrov SSSR [State Committee on Radiobroadcasting and Television, Attached to the Council of Ministers of the U. S. S. R.]. Moscow, vol. 8, no. 3, 1959.

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## b MUSIC

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MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE]. Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol. 10, nos. 2(220)-4(222), Jan.-Feb. 1967.

VISTI, zhurnal muzychinoh ta mystets'koho zhytla HERALD, Music and Art Magazine. Issued by khori "Dnipro" v Twin Sili, Minn. Ukrainian Chorus "Dnipro" of the Twin Cities St. Paul, Minn., vol. 5, no. 4(19), Dec. 1966.

## c. THEATER

KLUB I KHUDOZHESTVENNAIA SAMODEIATEL'NOST' [THE CLUB AND AMATEUR ART ACTIVITIES]. Issued by Vsesoluznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions], Moscow, vol. 18, no. 2, Jan. 1967.

MOLODEZHNAIA ESTRADA [YOUNG PEOPLE'S STAGE]. Published by "Molodai gvardiia" ["Young Guard"], Moscow, no. 1(139), 1967.

NA DOPOMOHU KHUDOZHNIH SAMODIAL'NOSTI, 1968; no. 1(87), 1967.

SOVETSKAIA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no. 2(113), Feb. 1967.

TEATR [THEATER]. Organ of Ministerstvo kul'tury SSSR and Soluz pisatelei SSSR [Ministry of Culture of the U.S.S.R. and the Association of Writers of the U.S.S.R.]. Moscow, vol. 24, no. 7, July 1963.

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## 10. FINE ARTS

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ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others. Moscow, vol. 20, no. 10, 1966.

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SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Armianskoi SSR po kine-matografii [Ministry of Culture of the Armenian S.S.R. and the State Committee of the Council of Ministers of the Armenian S.S.R. for Motion Pictures]. Eriyan, no. 12, 1966. [In Armenian]

SOVETSKOE FOTO [SOVIET PHOTO]. Issued by Soluz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, nos. 1-2, Jan.-Feb. 1967.

## b ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE U.S.S.R.]. Organ of Gosudustvennyi Komitet po gradostroitel'stvo i arkhitektura pri Gos-stro SSSR and Soluz arkhitektorov SSSR [State Committee for Public Construction and Architecture, Attached to the State Planning Committee of the U.S.S.R. and the Association of Architects of the U.S.S.R.]. Moscow, no. 6, 1963.

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RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, tsvetivaya vysshikh uchilnykh zavedeni, stoitel'stvo i arkhitektura (Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Construction and Architecture). Moscow, vol. 9, no. 9, 1966.

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STROITEL'STVO I ARKHITEKTURA MOSKVI [CONSTRUCTION AND ARCHITECTURE IN MOSCOW]. Issued by Institut Moskovskogo gorodskogo Soveta deputatov i raditschikh [Executive Committee of the Moscow City Soviet of Workers' Deputies], Moscow, vol. 12, no. 6, June 1963.

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KEEL JA KIRJANDUS [LANGUAGE AND LITERATURE]. Issued by Eesti NSV Teaduste Akadeemia and Eesti NSV Kirjanduse Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.], Tallinn, vol. 10, no. 1, Jan. 1967. [In Estonian]

LIETUVOS TER AUKSTUJŲ MOKYKLŲ MOKSLO DARBAI: KALBOTYRA. Uchenye zapiski vysshikh uchebnykh zavedenii Litovskoi SSR: Iazykoznanie [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R. LINGUISTICS]. Vilnius, vol. 14, 1968.

NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNAANIU [NEW FOREIGN LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others, Moscow, nos. 11-12, 1966.

NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNAANIU [NEW SOVIET LITERATURE ON LINGUISTICS]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.], Moscow, nos. 11-12, 1966.

RUSSKII IAZYK V NATSIONAL'NOI SHKOLE [THE RUSSIAN LANGUAGE IN NON-RUSSIAN SCHOOLS]. Issued by Akademiya pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.], Moscow, no. 1, Jan.-Feb. 1967.

RUSSKII IAZYK V SHKOLE [RUSSIAN LANGUAGE IN SCHOOLS]. Issued by Ministerstvo prosvetsheniia RSFSR [Ministry of Education of the R.S.F.S.R.], Moscow, no. 1, Jan.-Feb. 1967.

UKRAINS'KA MOVA I LITERATURA V SHKOLI  
[UKRAINIAN LANGUAGE AND LITERATURE IN  
SCHOOLS]. Issued by Ministerstvo osvity URSR  
[Ministry of Education of the Ukrainian S.S.R.].  
Kiev, vol. 10, no. 12, Dec. 1966, vol. 17, nos. 1, 2,  
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UZBEK TILI VA ADABIYATI [UZBEK LANGUAGE AND  
LITERATURE]. Issued by Institut tazyka i literatury  
Akademii nauk Uzbekskoi SSR [Institute of Language  
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1966. [In Uzbek].

VOPROSY IAZYKOZNAANIA [PROBLEMS OF LINGUISTICS].  
Issued by Institut iazykoznanii Akademii nauk  
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Doblenkova, N. F. - Bibliography of works on Old  
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Dutchev, I. S. - Italian book on the history of Old  
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Maslennikova, N. N. - On the history of the origin of  
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Academic sessions of the Section of Old Russian  
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Academic sessions of the Group on the Study of Old  
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ALA-TOO, Literaturno khudozhestvennyi i obshchestvenno-politicheski zhurnal [ALA TOO, Literary and Sociopolitical Magazine] Organ of Soluz pisatelei Kirgizii and Ministerstva kul'tury Kirgizskoi SSR [Association of Writers of Kirgizia and the Ministry of Culture of the Kirgiz S.S.R.] Frunze, vol. 35, no. 10, Oct. 1966 [In Kirgiz]

AZERBAIJAN [AZERBAIJAN] Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan], Baku, no. 12, Dec. 1966 [In Azerbaijan]

BAKAL, Organ of Soluz pisatelei Baidariskoi ASSR [Association of Writers of the Baidar A.S.S.R.] Ulan-Ude, vol. 12, no. 6, Nov.-Dec. 1966.

BILA [JOINING], Issued by Tsentral'nyi komitet leninskogo kommunisticheskogo soluzu molodezhi Gruzii and Respublikanskii sovet organizatsii iunychi pionerov im. V. I. Lenina [Central Committee of the Lenin Communist Youth League of Georgia and the Republic Council of Lenin Pioneers], Tiflis, nos. 11-12, Nov.-Dec. 1966, [In Georgian]

DNIPRO [DNIEPER], Organ of Tsentral'nyi komitet Leninskogo kommunisticheskogo soluzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine], Kiev, vol. 41, no. 1, Jan. 1967.

DON, Organ of Soluz pisatelei RSFSR and Rostovskoe otdelenie Soluzu pisatelei [Association of Writers of the R. S. F. S. R. and the Rostov Branch of the Association of Writers], Rostov-on-Don, vol. 10, nos. 11-12, Nov.-Dec. 1966, vol. 11, no. 1, Jan. 1967.

DROSIA [THE BANNER], Published by the Publishing House of the Central Committee of the Communist Party of Georgia, Tiflis, no. 12, Dec. 1966; no. 1, Jan. 1967.

DRUZHBDA NARODOV [FRIENDSHIP OF PEOPLES], Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.], Moscow, vol. 28, no. 12, 1966, vol. 29, no. 1, 1967.

GRANI [FRONTIERS], Published by "Posev," Frankfurt/Main, vol. 21, no. 62, 1966.

INOSTRANNAIA LITERATURA [FOREIGN LITERATURE], Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.], Moscow, no. 12, Dec. 1966; no. 1, Jan. 1967.

IUNOST' [YOUTH], Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.], Moscow, vol. 13, nos. 1(140)-2(141), Jan.-Feb. 1967.

KAROGS [THE BANNER], Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Soviet Latvia], Riga no. 1, 1967. [In Latvian]

KHOTUGU SULUS [STAR OF THE NORTH], Yakutsk, no. 1, 1967. [In Yakut]

LITERATURA I ISKUSTVO NARODOV SSSR I ZARUBEZHNYKH STRAN, Bibliograficheski biulleten' [LITERATURE AND ART OF THE PEOPLES OF THE U. S. S. R. AND FOREIGN COUNTRIES, Bibliographical Bulletin], Issued by Vsesoiuznaia izdatel'skaia palata and Vsesoiuznaia gosudarstvennaia biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature], Moscow, no. 6, 1966.

LITERATURA V SHKOLE [LITERATURE IN SCHOOLS], Issued by Ministerstvo prosveshcheniia RSFSR [Ministry of Education of the R. S. F. S. R.], Moscow, vol. 28, no. 1, Jan.-Feb. 1967.

LITERATURNAAI ARMENIA [LITERARY ARMENIA], Organ of Pravleniia Soluzu pisatelei Armenii [Administration of the Association of Writers of Armenia], Eriuan, vol. 8, no. 12, Dec. 1966.

LITERATURNAAI GRUZIA [LITERARY GEORGIA], Organ of Soluz pisatelei Gruzii [Association of Writers of Georgia], Tiflis, vol. 10, no. 12, Dec. 1966, vol. 11, no. 1, Jan. 1967.

LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIJAN], Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan], Baku, vol. 25, no. 1, Jan. 1967.

LOOMING [CREATIVE WORK], Issued by Eesti NSV Kirjanite Liit [Association of Writers of the Estonian S.S.R.], Tallinn, no. 1, Jan. 1967 [In Estonian]

MOSKVA [MOSCOW], Organ of Soluz pisatelei RSFSR and Moskovskoe otdelenie Soluzu pisatelei RSFSR [Association of Writers of the R. S. F. S. R. and the Moscow Branch of the Association of Writers of the R. S. F. S. R.], Moscow, vol. 11, no. 1, 1967.

NASHI SOVREMENNIKI [OUR CONTEMPORARY], Organ of Soluz pisatelei RSFSR [Association of Writers of the R. S. F. S. R.], Moscow, nos. 1-2, Jan.-Feb. 1967

NEMAN [NEMAN RIVER], Organ of Soluz pisatelei BSSR [Association of Writers of the White Russian S. S. R.], Minsk, vol. 15, no. 12, Dec. 1966, vol. 16, no. 2, Feb. 1967.

NEVA, Organ of Soluz pisatelei RSFSR and Leningradskoe otdelenie Soluzu pisatelei [Association of Writers of the R. S. F. S. R. and the Leningrad Branch of the Association of Writers], Leningrad, no. 2, 1967.

NISTRUL [DNIESTER RIVER], Organ of the Association of Soviet Writers of the Moldavian S. S. R., Kishinev, vol. 35, no. 12, 1966. [In Moldavian]

NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE], Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.] and others Moscow, nos. 11-12, 1966.

NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE], Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.], Moscow, nos. 11-12, 1966.

NOVOE I ZABYTOE [THE NEW AND THE FORGOTTEN], Issued by Gosudarstvennyi literaturnyi muzei [State Literary Museum], Moscow, no. 1, 1966.

NOVYI MIR [THE NEW WORLD], Organ of Soluz pisatelei SSSR [Association of Writers of the U. S. S. R.], Moscow, vol. 39, no. 3, Mar. 1963.

Table of contents translated; Lofy ideology and artistic craftsmanship are the great strengths of Soviet literature and art; Comrade N. S. Khrushchev's speech at a meeting of party and government leaders with literary and artistic figures on March 8, 1963.

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PERGALE [THE VICTORY] Organ of Lietuvos TSR rasyjoju sajunga [Association of Writers of the Lithuanian S. S. R.] Vilnius, no. 1, 1967 [In Lithuanian]

PISATEL' I ZHIZN' [THE WRITER AND LIFE], Issued by Literaturnyi Institut and Soluz pisatelei SSSR [Literary Institute and the Association of Writers of the U. S. S. R.], Moscow, no. 3, 1966.

POLIARNAIA ZVEZDA [THE NORTH STAR], Organ of Soluz sovetskikh pisatelei Iakutii [Association of Writers of Yakutia], Yakutsk, no. 3, May-June 1963, no. 6, Nov.-Dec. 1964.

POLYMA [FLAME], Organ of Soluz pis'mennikov BSSR [Association of Writers of the White Russian S. S. R.], Minsk, no. 1(453), Jan. 1967.

PROSTOR [WIDE-OPEN SPACES], Issued by Soluz pisatelei and TsK LKSM Kazakhstana [Association of Writers and the Central Committee of the Lenin Communist Youth League of Kazakhstan] Alma-Ata, vol. 33, no. 12, Dec. 1966.

PUNALIPPU [THE RED BANNER], Issued by Soluz pisatelei Kareliiskoi ASSR [Association of Writers of the Karelian A. S. S. R.], Petrozavodsk, vol. 23, no. 8, 1966. [In Finnish]

RADUGA [THE RAINBOW], Organ of Pravleniia Soluzu pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine], Kiev, vol. 17, no. 1, Jan. 1967.

SHARK JULDURI [STAR OF THE EAST], Organ of the Association of Soviet Writers of Uzbekistan. Tashkent, vol. 34, no. 12, Dec. 1966. [In Uzbek]

SIBIRSKIE OGNI [SIBERIAN LIGHTS], Organ of Soluz pisatelei RSFSR and Novosibirskoe otdelenie Soluzu pisatelei [Association of Writers of the R. S. F. S. R. and the Novosibirsk Branch of the Association of Writers], Novosibirsk, vol. 46, no. 1, 1967.

SOVET EDEBIATY [SOVIET LITERATURE], Organ of Soluz sovetskikh pisatelei SSSR [Association of Soviet Writers of the Turkmen S. S. R.], Ashkhabad, no. 10, Oct. 1966; no. 1, Jan. 1967. [In Turkmen]

SOVETSKAIA UKRAINA [SOVIET UKRAINE], Organ of Pravleniia Soluzu pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine], Kiev, vol. 12, no. 4, Apr. 1962.

Table of contents translated;

Romanika, Nikolai. - "Translated by Petro Okhrymenko." p. 101.

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SUCHASNIŠT', literatura, mystatstvo, suspinane zhyttia  
 [OUR TIME, Literature, Art, and Social Problems]  
 Munich, vol. 7, no. 1 (73), Jan. 1967

URAL, issued by Sverdlovskoe otdelenie Soluza pisatelei  
 RSFSR [Sverdlovsk Branch of the Association of  
 Writers of the R. S. F. S. R.] Sverdlovsk, vol. 10,  
 no. 1, Jan. 1967

VITYCHYNA [OUR COUNTRY], Organ of Spilka pyshchen-  
 mykiv Ukrainy [Association of Writers of the Ukraine]  
 Kiev, vol. 35, no. 1, Jan. 1967

VOLGA, Organ of Pravlenie Soluza pisatelei RSFSR and  
 Sverdlovskoe otdelenie Soluza pisatelei RSFSR [Ad-  
 ministration of the Association of Writers of the  
 R. S. F. S. R. and the Sverdlovsk Branch of the Asso-  
 ciation of Writers of the R. S. F. S. R.] Sverdlovsk, vol. 2,  
 nos. 1-2, Jan.-Feb. 1967.

VOZROZHDENIE [RENAISSANCE] Paris, no. 182,  
 Feb. 1967.

ZNAMIA [THE BANNER], Organ of Soluza pisatelei SSSR  
 [Association of Writers of the U. S. S. R.] Moscow,  
 vol. 37, no. 1, Jan. 1967.

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ZVEZDA VOSTOKA [STAR OF THE EAST], Organ of  
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 of Uzbekistan]. Tashkent, vol. 34, no. 12, 1968.

## 12. GEOGRAPHY & GEOLOGY

### a. ETHNOLOGY

VOPROSY ANTROPOLOGII [PROBLEMS OF ANTHRO-  
 POLOGY], issued by Moskovskii gosudarstvennyi  
 universitet [Moscow State University]. Moscow,  
 no. 4, 1968.

#### Table of contents translated

Communist moral education and Soviet anthropology.  
 p. 3.  
 Bashkirov, P. N. - The role of anthropometry in  
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 Voronin, L. G. - Comparative physiological data on  
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AKADEMIA NAUK SSSR, Mezhdunarodnyy geofiziko-  
 zheologicheskii komitet, X razdel' programmy MGG, Sbornik  
 statei [ACADEMY OF SCIENCES OF THE  
 U. S. S. R. Interdepartmental Geophysical Committee,  
 10th Section of the IGY Program, Papers], Moscow,  
 no. 15, 1968, Okeanologicheskoe issledovanie  
 [Oceanological Research].

#### Table of contents translated

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 AKADEMIA NAUK SSSR, Mezhdunarodnyy geofiziko-  
 zheologicheskii komitet, X razdel' programmy MGG, Okeano-  
 logia, Sbornik statei [ACADEMY OF SCIENCES OF  
 THE U. S. S. R. Interdepartmental Geophysical Com-  
 mittee, 10th Section of the IGY Program, Oceanology,  
 Papers], Moscow, no. 16, 1968.  
 Contents. Kashin, K. I. [Wave heights in the northern  
 part of the Atlantic Ocean] Vysoty voln v severnoi  
 chasti Atlanticheskogo okeana. 84 p.

AKADEMIA NAUK SSSR, Okeanograficheskaya komis-  
 siya, Trudy [ACADEMY OF SCIENCES OF THE  
 U. S. S. R. Oceanographic Commission, Transactions].  
 Moscow, vol. 13, 1962, Protection from marine fouling.  
 Table of contents translated.

Iskra, E. V. - Modern methods of controlling fouling  
 p. 3.  
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Vol. 14, 1962, Methods and results of submarine re-  
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#### Table of contents translated.

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AKADEMIA NAUK SSSR, Sibirskoe otdelenie, Institut  
 geografii Sibiri i Dal'nego Vostoka. Doklady [ACADEMY  
 OF SCIENCES OF THE U. S. S. R. Siberian De-  
 partment, Institute of the Geography of Siberia and  
 the Far East, Reports], Irkutsk, no. 9, 1965.

Table of contents translated  
 Sochava, V. B. - Practical meaning of geographical  
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 p. 3.

Iilpponno, M. - Development of applied geography  
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No. 10, 1965.

#### Table of contents translated.

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- АКАДЕМІЯ НАУК УРСР, Київ, *Міжсхідногідрологічний Інститут. Труды [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Marine Hydrophysical Institute. Transactions]*, Kiev, vol. 37, 1980, Problems of physics of sea, transactions of anniversary session
- Table of contents translated
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- GEОГРАФИЧЕСКОЕ ОБЩЕСТВО ССР. *Алтайский отдел. Известия [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Altai Branch. Bulletin]*. Barnaul, no. 3, 1983.
- Table of contents translated.
- Mal'kov, R. A. - Labor resources of the Altai in the initial period of the formation of the Soviet laboring class. p. 3.
- Matolotko, A. M. - History of the study of the relief and unconsolidated deposits of the Salair Ridge. p. 15.
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- ГЕОГРАФИЧЕСКОЕ ОБЩЕСТВО ССР. *Одделение математической географии и картографии. Материалы [GEOGRAPHICAL SOCIETY OF THE U.S.S.R. Department of Mathematical Geography and Cartography. Materials]*. Leningrad, no. 2, 1982. Materials on cartography.
- Table of contents translated.
- Nikishov, M. I. - Present state of and problems in the field of agricultural cartography in the U.S.S.R. p. 4.
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- Table of contents translated:
- Popov, I. V. - Forest soils of the Chuna-Vikhovca watershed. p. 3.
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- Table of contents translated:
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- МИРОВОЙ ЦЕНТР ДАННЫХ D1. Каталог данных по океанографии [WORLD DATA CENTER D1. Catalog of Oceanographic Data] July-Dec. 1983; Jan.-June 1986. Moscow, 1986.
- МОСКОВ. УНИВЕРСИТЕТ. Вестник. Серия 5: География [UNIVERSITY. Review. Series 5: Geography]. Vol. 21, no. 6, Nov.-Dec. 1980.
- Table of contents translated:
- Shuka, A. E. - Basic characteristics of recent international migrations of population in the capitalist world. p. 3.
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\* OKEANOLOGIYA [OCEANOLOGY]. Issued by Okeanograficheskaya komissiya Akademii nauk SSSR [Oceanographic Commission of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 6, no. 5, 1968.

- Table of contents translated:
- Kallin, G. P., Markov, K. K., Suetova, I. A. - Level fluctuations of earth's reservoirs in recent geological past. Part 1. p. 737.
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PROBLEMY ARKTIKI [PROBLEMS OF THE ARCTIC].

Issued by Arkkticheskiy nauchno-issledovatel'skiy institut [Arctic Scientific Research Institute] Leningrad, no. 7, 1959.

- Table of contents translated:
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REFERATIVNIYI ZHURNAL GEOGRAFIYA [JOURNAL OF ABSTRACTS GEOGRAPHY]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, nos. 1-2, Jan.-Feb., 1967.

VOPROSY GEOGRAFIYI KAMCHATKI [PROBLEMS OF THE GEOGRAPHY OF KAMCHATKA]. Issued by Kamchatskiy otdel Geograficheskogo obshchestva SSSR pri Akademii nauk SSSR [Kamchatka Branch of the Geographical Society of the U.S.S.R., Attached to the Academy of Sciences of the U.S.S.R.]. Petropavlovsk-Kamchatskiy, no. 3, 1965.

- Table of contents translated:
- Kusakov, V. P., Lagunov, I. I. - Petropavlovsk-Kamchatskiy is 225 years old. p. 3.
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- Table of contents translated:
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- Table of contents translated:
- Tilov, V.I., Nakhitigal', G.P., Esmolenko, A.E. - Tectonics and characteristics of distribution of granitoid plutons in northeastern margin of Chingiz-Tarbagatay meganticlinorium. p. 3.
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- AKADEMIYA NAUK KAZAKHSTANSSKOY SSR, Alma-Ata.** Izvestiya. Seriya geologicheskaya [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Bulletin. Series in the Geological Sciences]. Alma-Ata, no. 6(57), 1968.
- Table of contents translated:
- Satpaev, K.I., Bok, I.I. - Academician Vladimir Afanas'evich Obruchov, on the centenary of his birth. p. 3.
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- \*AKADEMIYA NAUK SSSR. Izvestiya. Seriya geologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series]. Moscow, vol. 31, no. 12, Dec. 1968.**
- Table of contents translated.
- Reinforcement of Academy of Sciences of U.S.S.R. p. 3.
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- GEOLOGIYA I GEOFIZIKA [GEOLOGY AND GEOPHYSICS]** (issued by Sibirskoe otdeleniye Akademii nauk SSSR [Siberian Branch of the Academy of Sciences of the U.S.S.R.]) Novosibirsk, no. 9, 1968.
- Table of contents translated:
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- Table of contents translated
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- LENINGRAD. VSESOUZNYI GEOLOGICHESKII INSTITUT. Trudy [ALL-UNION GEOLOGICAL INSTITUTE. Transactions]. No 141, 1966. Paleopalinologia [Paleopalynology], vol. 3.**
- Contents [Tables of drawings and microphotographs of spores, pollen and other plant microfossils from sediments of Upper Pre-Cambrian, Pleistocene of U.S.S.R.] Tablitsy risunkov i mikrofotoografi spor, pylytsy i drugikh rastitel'nykh mikrofosilov iz otlozhenii verkhnego dokembriya - pleistotsena SSSR. 366 p.
- \*LITOLOGIYA I POLEZNYE ISKOPAYEMYE [LITHOLOGY AND MINERAL RESOURCES].** Issued by Akademii nauk SSSR and Gosudarstvennyi geologicheskii komitet SSSR [Academy of Sciences of the U.S.S.R. and the State Geological Committee of the U.S.S.R.]. Moscow, no. 6, Nov.-Dec. 1966.
- Table of contents translated:
- Emel'yanov, E.M. - Titanium in sediments of Mediterranean Sea. p.3.
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Issued by Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ya [All-Union Scientific Research Institute of Mineral Raw Materials]. Moscow, no. 12, 1966. New methods of mineralogical studies and examples of their present-day use.

- Table of contents translated
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MIROVOI TSENTR DANNYKH B1. Shestimestachnyi katalog po seismologii, tsunamii i gravimetrii [WORLD DATA CENTER B1. Seismological catalog of data on Seismology, Tsunamis, and Gravity] July-Dec. 1965. Moscow, 1966.

\*MOSKOVSKOE OBNCHESTVO ISPYATELEI PRIRODY [Moscow Naturalists' Society]. Bulletin. New series, vol. 71. Otdel geologicheskii [Geological Section] Moscow, vol. 41, no. 4, July-Aug. 1966.

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SOVETSKAYA GEOLOGIA [SOVIET GEOLOGY]. Organ of Gosudarstvennyi geologicheskii komitet SSSR [State Geological Committee of the U.S.S.R.], Moscow, vol. 9, no. 11, Nov. 1989.

- Table of contents translated
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- Table of contents translated
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AKADEMIYA NAUK AZERBAIDZHANSKOI SSR, Baku, Doklady [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Reports], Baku, vol. 18, no. 4, 1982.

- Table of contents translated
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EESTI LOODUS [ESTONIAN NATURE]. Issued by Eesti NSV Teaduste Akadeemia [Academy of Sciences of the Estonian S.S.R.]. Tallinn, no. 6, Nov.-Dec. 1966; no. 1, Jan.-Feb. 1967. [in Estonian]

FAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademii nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, nos. 11(143)-12(146), Nov.-Dec. 1966, [in Uzbek]

KHIMIYA I ZHIZN' [CHEMISTRY AND LIFE]. Issued by Akademii nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan. 1967.

MIROVOI TSENTR DANNYKH B1. Katalog publikatsii [WORLD DATA CENTER B1. Catalog of Publications]. July-Dec. 1962; Jan.-June 1965; July-Dec. 1965. Moscow, no. 8, 1962; no. 13, 1965; no. 14, 1966.

NAUKA I SUSPIL'STVO [SCIENCE AND SOCIETY]. Issued by Tovarystvo "Znannia" Ukrain'skoi RSR ["Znannia" Society of the Ukrainian S.S.R.], Kiev, vol. 16, nos. 1-2, Jan.-Feb. 1967.

NOVOSTI AMERIKANSKOI NAUKI I TEKHNIKI [NEWS OF AMERICAN SCIENCE AND TECHNOLOGY]. Issued by Amerikanskoe posol'stvo [U.S. Embassy]. Moscow, no. 25 [n.d.]

NOVYE KNIGI ZA RUBEZHOM. Seriya A: Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizicheskaya geografika [NEW FOREIGN BOOKS. Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]. Moscow, vol. 20, no. 1, Jan. 1967.

PRIRODA [NATURE]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 55, no. 12, 1966.

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REFERATIVNYI ZhURNAL: KIBERNETIKA [JOURNAL OF ABSTRACTS: CYBERNETICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1967.

ZNANIE - SILA [KNOWLEDGE IS POWER]. Organ of Gosudukhstvennyi komitet po professional'no-tekhnicheskoiu obrazovaniiu pri Gosplane SSSR [State Committee for Industrial Training, Attached to the State Planning Committee of the U.S.S.R.]. Moscow, vol. 42, no. 1, Jan. 1967.

ZNANNIA TA PRATSIA [KNOWLEDGE AND WORK]. Issued by Tsentrnyi komitet Lenins'koho komunistychnoho sojuzu molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no. 1(323), Jan. 1967.

## b. ASTRONOMY

AKADEMIYA NAUK SSSR. Mezhdunarodnyi geofizicheskii komitet. Issledovanie meteorov [ACADEMY OF SCIENCES OF THE U.S.S.R. Interdepartmental Geophysical Committee. Meteor Investigations]. Moscow, no. 2, 1967.

Contents: Kashcheev, B. L., Lebedinets, V. N., Lagutin, M. F. [Meteoritic phenomena in the earth's atmosphere] Meteoriznye lavleniya v atmosfere Zemli. 259 p.

ASTRONOMICHESKII TSIRKULAR [ASTRONOMICAL CIRCULAR]. Published by Biuro astronomicheskikh soobshchenii Akademii nauk SSSR [Bureau of Astronomical Information of the Academy of Sciences of the U.S.S.R.]. Kazan, no. 366, Oct. 1964.

- Table of contents translated:
- Barabashov, N. P. - Unusual formation on Venus. p. 1.
- Shklovskii, I. S. - Observability of light fronts due to supernova flares. p. 2.
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- Table of contents translated
- Rublev, S. V. - O Cel. electronic and Zanatia's temperatures according to the bright hydrogen lines. p. 1.
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- Kut'chuk, V. N. - Thermal radio emission of NGC 590 (M 33) and NGC 4258 (M 106). p. 5.

\* ASTRONOMICHESKII ZhURNAL [ASTRONOMICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 43, no. 6, Nov.-Dec. 1966.

- Table of contents translated
- Mustel', E. R. - Origin of quasi-stellar outflow of gases from active regions of Sun. Part I. p. 1221.
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- ETALONNOE VREMIA V SREDNIE MOMENTY PEREDACHII RADIOSIGNALOV [OFFICIAL TIME AT MEAN MOMENTS OF RADIO SIGNAL TRANSMISSIONS]. Issued by Vsesoyuznyi nauchno-issledovatel'skii institut fiziko-tekhnicheskikh i radiotekhnicheskikh izmerenii [All-Union Scientific Research Institute of Physical and Radio Measurements]. Moscow, June - July 1966.
- MIROVOI TSENTR DANNYKH B1. Katalog dannyykh po raketam i spustnikam [WORLD DATA CENTER B1. Catalog of Data on Rockets and Satellites]. Jan.-June 1966. Moscow, Aug. 1966.
- \* RUSSIA (1923- U.S.S.R.). Ministerstvo vysshego srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii: geodeziya i aerofotogrammetriya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning. Geodesy and Aerial Photography]. Moscow, no. 3, 1962.
- Table of contents translated:
- Luts, A. F. - Calculation method and the accuracy of geodetic work in building bridges. p. 3.

- Glotov, G. F. - Accuracy of altitude measurement in the design of reservoirs. p. 11.
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## c. BIOLOGY

AKADEMIA NAUK SSSR, *Izvestiya. Seriya biologicheskaya* [ACADEMY OF SCIENCES OF THE U.S.S.R., *Bulletin. Biological Series*]. Moscow, vol. 28, no. 3, May-June 1963.

## Table of contents translated:

- Sisakhan, N. M. - An important step in the development of biological science. p. 337.
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AKADEMIA NAUK SSSR, *Institut genetiki, Trudy* [ACADEMY OF SCIENCES OF THE U.S.S.R., *Institute of Genetics, Transactions*]. Moscow, no. 26, 1962.

## Table of contents translated:

- Fedorov, A. K. - Some characteristics of the development of winter crops. p. 5.
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Contents. Gorchakovskii, P. L. [Flora and vegetation of the Ural highlands] Flora i rastitel'nost' vysokogor'ii Urala. 270 p.

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AKADEMIA NAUK SSSR, *Zoologicheskii institut, Trudy* [ACADEMY OF SCIENCES OF THE U.S.S.R., *Zoological Institute, Transactions*]. Moscow, vol. 39, 1968.

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- IRKUTSK. UNIVERSITET. Biologo-geograficheskii nauchno-issledovatel'skii institut, izvestiya** [UNIVERSITY, Biogeographical Scientific Research Institute, Bulletin] Vol. 18, no. 1/2, 1968.
- Table of contents translated:
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- IUNYI NATURALIST** [YOUNG NATURALIST], Issued by Tsentral'nyi komitet Vsesoyuznogo Iunivskogo komunisticheskogo soюза molodezhi i Tsentral'nyi sovet Vsesoyuznogo pionerskoi organizatsii Imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers], Moscow, nos. 8, 11, 1966, no. 1, 1967.
- MIKROBIOLOGICHESKII ZHURNAL** [JOURNAL OF MICROBIOLOGY], Issued by Institut mikrobiologii Akademii nauk URSS [Institute of Microbiology of the Academy of Sciences of the Ukrainian S. S. R.], Kiev, vol. 28, no. 6, 1966.
- Table of contents translated:
- Bilal, V. I. - In Memory of Academician Danil Khilovich Zolotarev, the 100th anniversary of his birth. p. 3.
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- \*MIKROBIOLOGIJA [MICROBIOLOGY], Published by Akademiya nauk SSSR [Academy of Sciences of the U. S. S. R.], Moscow, vol. 31, no. 2, Mar.-Apr. 1962.
- Table of contents translated:
- The business of all the party is the business of all the people. p. I-II.
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- MOSCOW, GLAVNYI BOTANICHESKII SAD, Bulletin [MAIN BOTANICAL GARDEN, Bulletin]. No. 63, 1966.
- Table of contents translated:
- Germenak, V. A. - Wintering of introduced trees and shrubs during 1963/64 in Tiflis. p. 3.
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- MOSCOW, NAUCHNO-ISSLEDOVATELSKII INSTITUT VIRUSNYKH PREPARATOV, Trudy [SCIENTIFIC RESEARCH INSTITUTE OF VIRUS PREPARATIONS, Transactions], No. 3, 1965.
- Table of contents translated
- Gendon, I. U., and others. - Development of a method for preparing dry tissue smallpox vaccine. Report No. 1: Study of optimal conditions for the multiplication of smallpox vaccine virus in tissue culture. p. 3.
- Gendon, I. U., Milashov, V. A. - Development of a method for preparing dry tissue smallpox vaccine. Report No. 2: Study of smallpox vaccine virus multiplication cycle in cells of tissue culture. p. 15.
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- Table of contents translated
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- TYUMEN'. GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE. Studies].** Vol. 24, 1963. Kafedra zoologii [Department of Zoology], no. 2.
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- UKRAINS'KYI BIOKHEMICHNYI ZHURNAL [UKRAINIAN BIOCHEMICAL JOURNAL].** Published by Institut Biokhimi Akademii nauk URSS [Institute of Biochemistry of the Academy of Sciences of the Ukrainian S. S. R.], Kiev, vol. 38, no. 6, 1966.
- Table of contents translated.
- Panov, A. N., Fonyo, A. - Effect of corticosteroid hormones on NADH dehydrogenase activity in brain and heart mitochondria of rats. p. 567.
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- UKRAINS'KYI BOTANICHNYI ZHURNAL [UKRAINIAN BOTANICAL JOURNAL].** Issued by Institut botaniky Akademii nauk URSS [Institute of Botany of the Academy of Sciences of the Ukrainian S. S. R.], Kiev, vol. 20, no. 1, 1963.
- Table of contents translated.
- Bannikov, V. P. - Cytogenetics of remote hybrids. Report No. 1: Embryogenesis in the crossing of durum wheat and rye. p. 3.
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- \*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY].** Issued by Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.], Moscow, vol. 62, no. 3(10), Nov.-Dec. 1966.
- Table of contents translated.
- Bellina, E. M., Mazurik, V. K. - Enzymatic regulation of DNA biosynthesis in organisms. p. 313.
- Chenisev, I. U. S. - Structure and chemistry of cell nucleus as organoid of cellular ribosome synthesis. p. 324.
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- \*VOPROSY VIROLOGII [PROBLEMS OF VIROLOGY].** Issued by Ministerstvo zdoravookhraneniya SSSR [Ministry of Health of the U. S. S. R.], Moscow, vol. 6, no. 4, July-Aug. 1963.
- Table of contents translated.
- Gamborg, V. P. - Interferon and some problems of viral interference. p. 387.
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- Vol. 11, no. 5, Sep.-Oct. 1966.
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- Vol II, no 6, Nov-Dec. 1968
- Table of contents translated.
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- ZHURNAL OBIKHEI BIOLOGII [JOURNAL OF GENERAL BIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 28, no. 1, Jan.-Feb. 1967.
- Table of contents translated:
- Zaslavskiy, V. A. - Reproductive self-destruction as ecological factor, ecological aftereffects of genetic population relationships. p. 3.
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- ZOOLOGICHESKII ZHURNAL [ZOOLOGICAL JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 45, no. 11, 1968.
- Table of contents translated:
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- d CHEMISTRY
- AKADEMIA NAUK KAZAKHSTANSSKOI SSR, Alma-Ata. Institut khimicheskikh nauk. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Chemical Sciences. Transactions]. Alma-Ata, vol. 11, 1966. Catalysts for liquid phase hydrogenation.
- Table of contents translated:
- Sokol'skiy, D. V. - Studies of the kinetics and catalysis in Alma-Ata. p. 3.
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- \*AKADEMIA NAUK SSSR. Izvestiya, Neorganicheskoy khimii [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Inorganic Materials]. Moscow, vol. 2, no. 11, Nov. 1968.
- Table of contents translated:
- Andrianov, K. A., and others. - Poly(heterophosphoryl) titanoxane oligomers. p. 1013.

- Dol'shakov, K. A., and others. - Mechanism of coprecipitation of antimony and germanium in telluride process. p. 1921.
- Lev, E. I. A., Sysoeva, L. M., Kolomoets, N. V. - Action of impurities on the concentration of current carriers and thermal resistance of germanium telluride lattice. p. 1925.
- Kulkin, V. I., Azembash, E. I., Lazhnaia, N. P. - Phase diagram of the praseodymium-selenium system. p. 1930.
- Lin, U. L., Sorokin, V. S., Isakov, D. A. - Effect of certain factors on the process of formation and growth of gallium phosphide ingots. p. 1939.
- Ural, I. A., Blitvskaya, L. A., Gutsa, L. F. - Temperature dependence of the elasticity of indium phosphide dissociation. p. 1941.
- Korunskaya, N. E., and others. - Preparation and semiconductor properties of  $\text{In}_2\text{S}_3$  single crystals. p. 1948.
- Glavov, V. M., Glagoleva, N. N., Romantseva, L. A. - Change of short-range order structure in melts formed by magnesium compounds with group IV elements on heating. p. 1953.
- Nikulin, E. N., Zaitsev, V. K. - Electric and thermal properties of solid solution  $\text{Mg}_2\text{Si} - \text{Mg}_2\text{Sn}$ . p. 1961.
- Loshakova, G. V., and others. - Preparation and some properties of semiconductor compounds  $\text{ZnSnP}_2$  and  $\text{CdSnP}_2$ . p. 1966.
- Kuchma, A. I. A., Samsonov, G. V. - Formation of stable electronic configurations and some physical properties of carbides and nitrides of transition metals in the region of their homogeneity. p. 1970.
- Kuz'ma, I. U. B., Nych, O. V., Skolozdr, R. V. - System molybdenum - cobalt - boron. p. 1975.
- Murkin, V. I. A., Lysenko, L. A., Gladyshevskii, E. I. - System (titanium - iron - silicon. p. 1980.
- Budakov, P. P., Kulikov, N. V. - Preparation and properties of luminescent silicates and aluminates. p. 1985.
- Bazhenova, L. N., and others. - Microhardness of oxides of some elements. p. 1991.
- Davlan, I. A., Keler, E. K., Gushkova, V. B. - Effect of additions of germanium dioxide and yttrium and neodymium germanates on polymorphism of zirconium dioxide. p. 1998.
- Bessonov, A. F., Shalaginov, V. N., Tikhov, G. A. - Complex study of processes taking place during heating of a mixture of zirconium dioxide with calcium carbonate. p. 2003.
- Rode, E. I. A., Krupov, V. N., Eliseev, A. A. - Phase diagrams of systems  $\text{Nd}_2(\text{VO}_4)_2 - \text{SrWO}_4$  and  $\text{NaNd}(\text{WO}_4)_2 - \text{SrWO}_4$ . p. 2007.
- Didkovskaya, O. S., Klimov, V. V., Venetsev, I. U. N. - Structure and dielectric properties of solid solutions in the system  $\text{PbLi}_{1/3}\text{Nb}_{2/3}\text{W}_{1/3}\text{O}_3 - \text{Pb}_2\text{CdWO}_6$ . p. 2010.
- Bukhalova, G. A., Makhosova, I. V. - Complex formation in binary systems consisting of alkali metal fluorides and metaphosphates. p. 2015.
- Iutina, A. S., Zhukova, Z. D., Lysak, S. V. - Interaction of phosphoric acid with some forms of alumina. p. 2020.
- Botvinkina, O. K., Denisenko, O. N. - Ion exchange and increase in glass strength. p. 2029.
- Sidorov, T. A., Tikhon, V. A. - Electric paramagnetic resonance spectra of some irradiated two-component glasses. p. 2033.
- Sidorov, T. A., Tikhon, V. A. - Study of pyrocerams of the system  $\text{Li}_2\text{O} - \text{Al}_2\text{O}_3 - \text{SiO}_2$  by means of electron paramagnetic resonance. p. 2039.
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- Deglarova, E. V. - Transparent polycrystalline corundum ceramics. p. 2058.
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- Bellaev, L. M., Likhovitskaya, V. A., Spitsyna, V. D. - Crystallization of chromium tribromide. p. 2074.
- Abrikosov, N. Kh., Bankina, V. F. - Change in heat conduction of crystal lattice in the process of ordering of  $\text{Bi}_2\text{Te}_2\text{Se}$  compound. p. 2076.
- Bychkov, A. G., and others. - Some physical properties of semiconductor compound  $\text{CdSiP}_2$ . p. 2078.
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- Alidzhazov, M. A., Rustanov, P. G. - Some physical properties of solid solutions  $\text{Ga}_2\text{Se}_3 - \text{Ga}_2\text{Te}_3$ . p. 2082.
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- Table of contents translated.
- Turovskii, B. M., Nikitin, V. M. - Method of calculating the distribution of specific resistance along the length of crystals in mutual transport of donor and acceptor impurities into semiconductor crystals grown by Czochralski method. p. 2089.
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- \*ELEKTROKIMIIA [ELECTROCHEMISTRY] Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 2, no 11, Nov 1960.
- Table of contents translated.
- Morozov, A. M., Gligor'ev, N. B., Bagatskaya, I. A. - Study of the structure of double electric layer on gallium by method of electrocapillary curves. p. 1235.
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- \*KIMIJA HETEROTSIKLIKESKIKH SOEDINENII [CHEMISTRY OF HETEROCYCLIC COMPOUNDS], Issued by Akademiia nauk Latvinskoi SSR [Academy of Sciences of the Latvian S.S.R.], Riga, no. 6, 1960.

\*KHMIIA PRIRODNYKH SOEDINENII [CHEMISTRY OF NATURAL COMPOUNDS]. Issued by Akademiya nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no. 5, 1968.

Table of contents translated:

- Ovodo, I. U. S., Solov'eva, T. F. - Polysaccharides of *Panax ginseng*. p. 299.  
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\*KHMIIA V SHKOLE [CHEMISTRY IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 22, no. 1, Jan. 1967.

\*KOLLOIDNYI ZHURNAL [COLLOID JOURNAL]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 28, no. 6, Nov.-Dec. 1966.

Table of contents translated:

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\*KRISTALLOGRAFIYA [CRYSTALLOGRAPHY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 11, no. 6, Nov.-Dec. 1966.

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\*ZHURNAL ORGANICHESKOI KHIMII [JOURNAL OF ORGANIC CHEMISTRY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 2, no. 11, Nov. 1966.

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- Colubnev, V. A., and others. - Electron exchange interaction in free iminoyl tetraalkyls of diphenyl series. p. 1916.
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- Perepelkin, O. V., Bal'fan, Kh. V. - Synthesis and properties of allene hydrocarbon derivatives. Part 9: Interaction of lithium allenes and alkyl lithium adducts with enyne alcohols and carbonyl compounds. p. 1928.
- Cherkasov, L. N., Bal'fan, Kh. V., Korner, V. A. - Synthesis and properties of allene hydrocarbon derivatives. Part 10: Interaction of dimethylvinylacetylenecarbinol with organolithium compounds of aromatic and heterocyclic series. p. 1934.
- Cherkasov, L. N., Bal'fan, Kh. V., Korner, V. A. - Synthesis and properties of allene hydrocarbon derivatives. Part 11: Addition of organolithium compounds to vinylphenylacetylene and vinylalkylacetylenes. p. 1938.
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- Bagdasarian, G. B., Indzhikyan, M. G., Babalun, A. T. - Amines and ammonium compounds. Part 41: Alkaline cleavage of 1,4-diquaternary ammonium salts containing 2-chloro-3-methyl-2-butenyl common group. p. 1987.
- Babalun, A. T., and others. - Amines and ammonium compounds. Part 42: Alkaline cleavage of 1,4-diquaternary ammonium salts with 2-butenylene common radical. p. 1992.
- Macetina, I. A., Petrov, A. A. - Enyne and diyne amines. Part 6: Ethylene diamines. p. 1994.
- Novozhilov, A. V., Miagkova, G. I., Proobrazhenskii, N. A. - Study of higher acids of aliphatic series. Part 19: Synthesis of tetra-4, 8, 12-decatrienoic acid. p. 1997.
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# C. MATHEMATICS

- AKADEMIA NAUK GRUZINSKOI SSR, Tiflis. Vychislitel'nyi tsentr. Trudy [ACADEMY OF SCIENCES OF THE GEORGIAN S.S.R. Computational Center, Transactions]. Tiflis, vol. 3, 1962 [cover 1963].
- Table of contents translated:
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Contents: Khajishvili, G. L. [Optimal processes with delays] Optimal'nye protsessy s zapazdyvaniem. 81 p.

AKADEMIA NAUK SSSR. Komissiya po eksperimental'nykh vychislitel'nykh mashinam. Voprosy matematicheskoi eksperimental'noi vychislitel'nykh mashin [ACADEMY OF SCIENCES OF THE U.S.S.R. Committee on the Use of Computers. Problems of the Mathematical Use of Computers]. Moscow, no. 2, 1966. Standartnye podprogrammy dlya mashin tipa M-20 [Standard subprograms for the M-20 Computers], pt. 3. Linear Algebra.

- Table of contents translated:
- Shura-Bura, M. R. - Multiplication of matrices by vectors. SP-0033, p. 3.
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\*DIFFERENTIAL'NYE URAVNENIYA [DIFFERENTIAL EQUATIONS]. Minsk, vol. 2, no. 9, Sep. 1966.

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EESTI NSV TEADUSTI. AKADEEMIA. Kübernetika Instituut. Programmi dlya ETSVM "Minsk-2" [ACADEMY OF SCIENCES OF THE ESTONIAN S.S.R. Institute of Cybernetics. Programs for the "Minsk-2" Digital Computers]. Tallinn, nos. 2-4, 1966.

ISTORIKO-MATEMATICHESKIE ISSLEDOVANIYA [STUDIES IN THE HISTORY OF MATHEMATICS]. Moscow, no. 17, 1966.

Table of contents translated

- Wassing, H. - Genesis of the abstract conception of a group. p. 11.
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- \*KIBERNETIKA [CYBERNETICS] Organ of Odelskie matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainy SSR [Department of Mathematics, Mechanics and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 6, Nov. Dec. 1966.
- Table of contents translated
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MATEMATIKA V SHKOLE [MATHEMATICS IN SCHOOLS]. Issued by Ministerstvo prosvetshchenia RSFSR [Ministry of Education of the R. S. F. S. R.]. Moscow, no. 1, Jan.-Feb. 1967.

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- UKRAINSKII MATEMATICHESKII ZHURNAL [UKRAINIAN MATHEMATICAL JOURNAL]. Organ of Instytut matematiki Akademii nauk USSR [Institute of Mathematics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 18, no. 6, 1966.
- Table of contents translated
- Komarenko, A. M. - Problem concerning eigenvalues with parameter in boundary conditions for elliptic equations degenerate in part of domain boundary. p. 3
- Korovaylichenko, V. D. - Direct and inverse problems of V. A. Markov in complex region. Part II. p. 12
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- VYCHISLITEL'NAIA MATEMATIKA [COMPUTER MATHEMATICS] Kiev, no. 2, 1966
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- Movsesian, M. E., Chilingarian, I. U. S., Badalian, N. N. - Studying spectral characteristics of stimulated ruby radiation. p. 61
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- Table of contents translated
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- \*AKADEMIJA NAUK SSSR, Izvestia Sozitsiya fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physical Sciences], Moscow, vol. 30, no. 12, Dec. 1966
- Table of contents translated
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- AKADEMIJA NAUK SSSR, Institut fiziki Zemli, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Physics of the Earth, Transactions], Moscow, no. 37(204), 1966. Electric and mechanical properties of rocks under high pressures.
- Table of contents translated
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- AKADEMIJA NAUK SSSR, Mezhdunarodniy nauchno-issledovatel'skiy tsentr, III izdatel'skiy programmy MCG, Spornik strel [ACADEMY OF SCIENCES OF THE U.S.S.R. Interdepartmental Geophysical Committee, 3d Section of the IGY Program, Papers], Moscow, no. 8, 1964. Geomagnitnye issledovaniya [Geomagnetic Research].
- Table of contents translated
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- ALMA-ATA. KAZAKHISKII NAUCHNO-ISSLEDOVATELSKII GIDROMETEOROLOGICHESKII INSTITUT, Trudy [KAZAKH SCIENTIFIC RESEARCH HYDROMETEOROLOGICAL INSTITUTE, Transactions], Leningrad, no. 3, 1964.
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- CHEKHO-SLOVATSKII FIZICHESKII ZHURNAL, CZECHOSLOVAK JOURNAL OF PHYSICS Issued by Czechoslovak Academy of Sciences [Czechoslovak Academy of Sciences], Prague, vol. 17, no. 1, 1967.
- \*FIZIKA GORENIA I VZRYVA [PHYSICS OF COMBUSTION AND BLASTING], Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.], Novosibirsk, no. 3, 1966.
- Table of contents translated
- Berezin, I. U. A., Kurmullaev, R. Kh. - Cylindrical waves in rarefied plasma in presence of strong "collisionless" dissipation. p. 3.
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\*FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 7, July 1968.

Table of contents translated:

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Oksana, I. A., Smirnov, V. N. - High-frequency electroluminescence of semiconductor crystals. p. 2001

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\*GEOMAGNETIZM I AERONOMIA [GEOMAGNETISM AND AERONOMY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 6, no. 6, Nov.-Dec. 1966.

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\*JADERNIA FIZIKA, JOURNAL OF NUCLEAR PHYSICS. Issued by Akademiya nauk SSSR and Gosudarstvennyi komitet po ispol'zovaniyu atomnoi energii SSSR [Academy of Sciences of the U.S.S.R. and the State Committee on the Use of Atomic Energy of the U.S.S.R.]. Moscow, vol. 4, no. 5, Nov. 1966.

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- \*L'NINGRAD. GLAVNAYA GEOFIZICHESKAYA OBSERVATORIIA. Trudy [MAIN GEOPHYSICAL OBSERVATORY, Transactions], No. 190, 1968. Cloud physics and cloud modification. Table of contents translated
- Bachinov, N. V., Iartseva, N. N., Bromberg, A. V. - Studying ice-nucleating activity of methylglucol and phloroglucol acetate. p. 3
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- LENINGRAD. NAUCHNO-ISSLEDOVATELSKII INSTITUT GIDROMETEOROLOGICHESKOGO PHILOROSTROENIYA. Sbornik [SCIENTIFIC RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INSTRUMENT MANUFACTURE, Papers], Moscow, no. 28, 1966. Contents [Information materials on hydrometeorological instruments and observation methods] Informatsionnye materialy po gidrometeorologicheskimi priborami i metodami nabludenii. 63 p.
- LIETUVOS FIZIKOS RINKINYS. LIUVOSKII FIZICHESKII SBORNIK [LITHUANIAN PHYSICS PAPERS]. Issued by Lietuvos TSR Mokslu akademija and Lietuvos TSR mokslotoju mokykla [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol. 6, no. 2, 1968.
- \*METEOROLOGIA I GIDROLOGIA [METEOROLOGY AND HYDROLOGY]. Issued by Glavnye upravleniya gidrometeorologicheskimi sluzhby pri Sovete Ministrov SSSR [Main Administration of the Hydrometeorological Service, Attached to the Council of Ministers of the U.S.S.R.], Moscow, no. 12, Dec. 1968. Table of contents translated
- Burtsev, A. I., and others. - "Molnia-1" transmits pictures of earth from outer space. p. 3
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- MIROVOI TSENTR DANNYKH MGG B. Shestoi shestimestechnyi katalog natsionalnykh dannykh MGG po meteorologii [IGY WORLD DATA CENTER B. Sixth Semiannual Catalog of IGY Meteorological Data] July 1957 - June 1960. Moscow, 1960.
- MOSCOW. TSENTRAL'NYI INSTITUT PROGNOZOV. Trudy [CENTRAL WEATHER INSTITUTE, Transactions], No. 154, 1966. Interaction of processes in stratosphere and troposphere and long-range weather forecasting. Table of contents translated:
- Ur'teva, B. R. - Seasonal circulation and monthly weather forecasting. p. 3
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- NAL'CHIK. VYSOKOGORNYI GEOFIZICHESKII INSTITUT. Trudy [ALPINE GEOPHYSICAL INSTITUTE, Transactions], Leningrad, no. 3(5), 1966. Mechanism of formation and fall of hail. Table of contents translated:
- Khorugant, V. G. - Some characteristics of nature of interaction and coefficient of capture of cloud particles of comparable sizes. p. 7
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REFERATIVNYI ZHURNAL: FIZIKA [JOURNAL OF ABSTRACTS: PHYSICS] Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.] Moscow, no. 1, Jan. 1987

REFERATIVNYI ZHURNAL: GEOFIZIKA [JOURNAL OF ABSTRACTS: GEOPHYSICS] Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information], Moscow, nos. 1-2, Jan.-Feb. 1987.

\*RUSSIA (1923-U.S.S.R.) Ministerstvo vysshego i srednego obrazovaniya. *Uchebnye zadaniya i zadaniya k spetsial'nym kursam po fizike* Higher of the s).

Moscow, vol. 9, no. 6, 1986.

Table of contents translated

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RYBINSK. GIDROMETEOROLOGICHESKAYA OBSERVATORIA. Shchitnik i tabitsy [HYDROMETEOROLOGICAL OBSERVATORY. Paper]. No. 3, 1986. Hydrometeorological regime of upper Volga reservoirs.

Table of contents translated:

- Tachetov, S. N. - Methodology and results of observations on bottom soil temperatures of Rybinsk Reservoir. p. 3.
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SREDNEAZIATSKII NAUCHNO-ISSEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT. Trudy [CENTRAL ASIA HYDROMETEOROLOGICAL RESEARCH INSTITUTE. Transactions]. Leningrad, no. 27(42), 1986. Problems of glaciology of Central Asia.

Table of contents translated

- Suslov, V. F. - Some characteristics of glaciation of Kichik-Alay Range. p. 3.
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TIFLIS. ZAKAVKAZSKII NAUCHNO-ISSEDOVATEL'SKII GIDROMETEOROLOGICHESKII INSTITUT. Trudy [TRANSCAUCASIAN SCIENTIFIC RESEARCH HYDROMETEOROLOGICAL INSTITUTE. Transactions]. Leningrad, no. 11, 1983.

Table of contents translated:

- Bibilashvili, K. I. - Relationship between atmospheric processes in Transcaucasia and planetary upper front zones in Northern Hemisphere. p. 3.
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UKRAINSKYI FIZYCHNYI ZHURNAL [UKRAINIAN PHYSICS JOURNAL]. Issued by Viddit fizyky Akademii nauk URSS [Department of Physics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 11, no. 11, Nov. 1986.

Table of contents translated

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- \*USPEKHI FIZICHESKIKH NAUK [PROGRESS IN THE PHYSICAL SCIENCES].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.90, no.3, Nov. 1966.
- Table of contents translated:
- Alpert, I.A. - Outer layer of ionosphere and its transition into interplanetary space. p.405.
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- Vol.90, no.4, Dec. 1966
- Table of contents translated:
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- \*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.81, no.4(10), Oct. 1966.
- Table of contents translated:
- Bazaron, U.B., Porlugin, B.V., Bulgadov, A.V. - Using resonance method in measuring shear elasticity of fluids and their boundary layers. p.669.
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## MEDITSINSKAYA PARAZITOLOGIYA I PARAZITARNYE BOLEZNI [MEDICAL PARASITOLOGY AND PARASITIC DISEASES]. Issued by Ministerstvo zdorovokhraneniya SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 31, no. 5, Sep.-Oct. 1962.

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## MEDITSINSKIY ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdorovokhraneniya i Akademii nauk UzSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.], Tashkent, nos. 10-11, Oct.-Nov. 1966.

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- (DNLM)
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- Table of contents translated:
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- Table of contents translated.
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NOVOGODEZNETSK. GOSUDARSTVENNYI INSTITUT DLA USOVERSHENSTVOVANIA VRACHEI. Trudy [STATE INSTITUTE FOR POSTGRADUATE TRAINING OF PHYSICIANS, Transactions]. Kemerovo, vol. 32, 1965

- Table of contents translated
- Dogatin, D. A. - Predetermination of the localization of foreign bodies. p. 5.
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- Table of contents translated
- Mitkova, I. V. - Dependence of the reaction of the developing organism to iminaz on adrenocortical hormones [with summary in English]. p. 3.
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- Table of contents translated:
- Aleshina, E. N., and others. - Bacteriophage and mycelin in therapy of experimental plague induced by streptomycin-resistant forms of the plague bacillus. p. 3.
- Tinker, I. S., Aleshina, E. N., Makarovskaya, L. N. - Therapeutic effect of combinations of antibiotics used in experimental plague induced by streptomycin-resistant forms of the plague bacillus. p. 13.

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- Table of contents translated
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TOKSIKOLOGIYA NOVYKH PROMYSHLENNYKH KHIMICHESKIH VESICHESTV [TOXICOLOGY OF NEW INDUSTRIAL CHEMICAL SUBSTANCES]. Issued by Akademiya meditsinskikh nauk SSSR [Academy of Medical Sciences of the U.S.S.R.]. Moscow, no. 8, 1966.

- Table of contents translated
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VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY]. Published by Ministerstvo zdorov'ia i meditsiny SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 37, no. 3, May-June 1962.

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- VRACHEBNOE DELO [MEDICAL PRACTICE]. Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the Ukrainian S. S. R.]. Kiev, no 1, Jan 1967.
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- ZDRAVOOHRANENIE ROSSISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION]. Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R. S. F. S. R.]. Moscow, vol. 10, no. 1, Jan. 1967.
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- \***ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOLOGII (JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOLOGY)** Issued by Ministerstvo zdorovokhraiennia SSSR [Ministry of Health of the U.S.S.R.], Moscow, vol. 33, no. 6, June 1962.
- Table of contents translated
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- OPROSY OKHIRANY MATERNITVA I DETSTVA (PROBLEMS OF MATERNAL AND CHILD CARE).** Issued by Ministerstvo zdorovokhneniya RSFSR [Ministry of Health of the R. S. S. R.], Moscow, vol. 12, no. 2, Feb. 1987.
- NEUROLOGY & PSYCHIATRY**
- ZHURNAL NEVROPATOLOGI I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY].** Issued by Vsesoyuznoe obshchestvo nevropatologov i psikiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol. 63, no. 1, 1963.
- Table of contents translated.
- Bekhticheva, N. P., and others. - Use of multiple electrodes implanted in the subcortical structures of the human brain for the treatment of hyperkinesia. p. 3.
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- \*ZHURNAL VYSSHEI NERVOI DEIATEL'NOSTI [JOURNAL OF HIGHER NERVOUS ACTIVITY].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 12, no. 3, May-June 1962.
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VESTNIK OPHTALMOLOGII [REVIEW OF OPHTHALMOLOGY]. Published by Ministerstvo zdavookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, no. 1, Jan.-Feb. 1967. (CULM)

VESTNIK OTORINOLARYNGOLOGII [REVIEW OF OTORHINOLARYNGOLOGY]. Published by Ministerstvo zdavookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 27, no. 6, Nov.-Dec. 1966, vol. 28, no. 1, Jan.-Feb. 1967. (DNLN)

#### e. PATHOLOGY & THERAPEUTICS

KLINICHESKAIA ONKOLOGIJA [CLINICAL ONCOLOGY] Issued by Klevskii nauchno-issledovatel'skii rentgeno-radiologicheskii i onkologicheskii institut [Kiev Scientific Research Roentgenoradiological and Oncological Institute]. Kiev, no. 1, 1965.

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- Table of contents translated:
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- Table of contents translated:
- Alekseev, G. A., Kol'sa, E. K. - Experience in radioactive phosphorus ( $P^{32}$ ) treatment of 28 patients with metastatic myeloma. p. 3.
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- Vol. 8, no. 3, Mar. 1963.
- Table of contents translated:
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- TERAPEVICHESKII ARKHIV [THERAPEUTIC ARCHIVES].** Published by Ministerstvo zdorovokhnanosti SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 37, no. 12, 1965, vol. 38, no. 11, 1966. (DNLM)
- \*VOPROSY ONKOLOGII [PROBLEMS OF ONCOLOGY].** Issued by Ministerstvo zdorovokhnanosti SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 9, no. 3, 1963.
- Table of contents translated:
- Tsinoferskii, A. D. - Biology of the cancer cell, a survey of data from the Eighth International Cancer Research Congress. p. 3.
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- Table of contents translated.
- Koslov, P. N., and others. - Study of similarity and difference of specific antigens of human cancerous tumors. p. 3.
- Chekhovskaya, E. A., Puchkov, I. U. G., Kleinman, D. I. - Intra-muscular lipomas. p. 8.
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- Table of contents translated:
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- Agamova, K. A., Chaikov, I. M. - Possibilities of cytological examination in the diagnosis of breast tumors under the conditions of a polyclinic. p. 8.
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- \*ANTIBIOTIKI [ANTIBIOTICS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 11, no. 11, Nov. 1966.
- Table of contents translated:
- Shorin, V. A., Shapovalov, S. P. - Selection of new inhibitors of immunogenesis of a natural origin. p. 963.
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- \*APTECHNOLOGIJA [PHARMACY]. Organ of Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 12, no. 1, Jan.-Feb. 1963.
- Table of contents translated:
- Klinc, M. A. - Immediate problems of the pharmacy network. p. 1.
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- VOPROSY MEDITSINSKOI KHIMII [PROBLEMS OF MEDICAL CHEMISTRY]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 12, no. 6, Nov.-Dec. 1966.
- Table of contents translated:
- Sharovskaya, K. S., Murav'ova, N. I. - Biosynthesis of estradiol. p. 563.
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**\*GIGIENA I SANITARIYA [HYGIENE AND SANITATION].** Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 31, no. 12, Dec. 1966.

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**MLDITSINSKAIA SESTRA [MEDICAL NURSE].** Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 26, no. 2, Feb. 1967.

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**TRAVMATOLOGIJA [TRAUMATOLOGY]** Issued by Ukrainskii nauchno-issledovatel'skii institut ortopedii i travmatologii [Ukrainian Scientific Research Institute of Orthopedics and Traumatology], Kiev, no. 1, 1965.

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- VESTNIK DERMATOLOGII I VENEROLOGII [REVIEW OF DERMATOLOGY AND VENEREOLOGY]. Published by Ministerstvo zdorovokh armeniia SSSR [Ministry of Health of the U.S.S.R.], Moscow, no. 12, 1962.
- Table of contents translated:
- Turanova, N. M., Studitskaya, A. A. - Some problems in the organization of therapeutic and preventive care for patients with skin diseases in the U.S.S.R. p. 3.
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- Table of contents translated:
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- Table of contents translated:
- Davtian, G. S., Babatun, G. B. - Basic regularities of the agrochemical characteristics of soils in Armenia. p. 3.
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- AKADEMIYA NAUK ARMIAKSKOI SSR, Eriyan, Laboratoriya agrokhimii, soobshcheniya [ACADEMY OF SCIENCES OF THE ARMENIAN S S R Laboratory of Agrochemistry, Reports] Eriyan, no. 4, 1961.
- Table of contents translated:
- Davtian, G. S., Babatun, G. B. - Some data of agrochemical characteristics of soils in Armenia. p. 3.
- Aslatsulian, B. N. - Agrochemical studies of semi-desert rocky soils in piedmont zone of Armenia. p. 8.
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- GIDROTEKHNIKA I MELIORATSIYA [HYDRAULIC ENGINEERING AND RECLAMATION]. Issued by Ministerstvo sel'skogo khozaiatva SSSR i Ministerstvo melioratsii i vodnogo khozaiatva SSSR [Ministry of Agriculture of the U.S.S.R. and the Ministry of Reclamation and Water Resources Management of the U.S.S.R.], Moscow, vol. 18, no. 12, Dec. 1960.
- Table of contents translated:
- Borisenko, N. P., Il'inski, N. M. - Irrigation of lands using local runoff. p. 1.

- Aickseev, H. A., Eudishayev, V. D. - Some problems of the improvement of the operation of irrigation systems. p. 6
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- Table of contents translated
- Katrich, N. I. - Effectiveness of nitrate and ammoniacal forms of nitrogen fertilizers in deep Chernozem soils. p. 2
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- KREST'YANKA [THE PEASANT WOMAN].** Published by Izd-vo [Publishing House] "Pravda," Moscow, vol. 45, no. 1, Jan. 1967.
- MEKHANIZATSIYA I ELEKTRIFIKATSIYA SOTSIALISTICHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANIZATION AND ELECTRIFICATION OF SOCIALIST AGRICULTURE].** Issued by Ministerstvo sel'skogo khoziasitva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 24, no. 11, 1968.
- Table of contents translated:
- Ailobolevskii, I. I., Vasil'chenko, P. M., Dubrovskii, A. A. - Agricultural machinery and its modern problems. p. 2.
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- MOSCOW, UNIVERSITET DRUZHBY NARODOV. Trudy [UNIVERSITY OF THE FRIENDSHIP OF PEOPLES. Transactions].** Vol. 14, 1968. Sel'skokhoziasitvennoye nauki [Agricultural Sciences], no. 1.
- Table of contents translated:
- Zonn, S. V. - Characteristics of some types of soil formation in mountain tropical regions of south-eastern Asia. p. 3.
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- POCHIVNENNYE USLOVIA I EFFEKTIVNOST' UDONRENIY [SOIL CONDITIONS AND EFFECTIVENESS OF FERTILIZERS].** Issued by Zhitomirskii sel'skokhoziasitvennyi institut [Zhitomir Agricultural Institute]. Kishinev, no. 1, 1963.
- Table of contents translated.
- Kanivets, I. I. - Program of scientific research work of the Department of Soil Science and Agronomy and the Scientific Research Laboratory for Fertilizers of the Zhitomir Agricultural Institute. p. 5.
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- Shekhtina, L. L., Shashchuk, A. A., Kuznetsov, E. N. - Trace elements and yield of crop plants. p. 124.

- Lapa, V. G., and others. - Effect of trace elements on the yield of potatoes in Polesye. p. 131.
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- POCHVOVEDENIE [SOIL SCIENCE].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, Dec. 1966.
- Table of contents translated:
- Egorov, V. V., Lelunov, P. A. - State of meliorative soil science and the problems of soil improvement studies for the justification of the projects of irrigating and improving salinized soils. p. 1.
- Lupinovich, I. S., Skrymukova, I. N. - Problems and methods of studying bog and swampy soils in connection with the development of meliorative work in the non-Chernozem zone. p. 10.
- Zin, S. V., and others. - Establishment of the genetic classification of soils in Cuba. p. 17.
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- Bibliography. p. 107.
- PUSHIKIN. LENINGRADSKII SEL'SKOKHOZIAISTVENNIY INSTITUT.** Zapiski [LENINGRAD AGRICULTURAL INSTITUTE, Annals]. Leningrad, vol. 60, 1965. Mechanization and automation of agricultural production.
- Table of contents translated:
- Lur'e, A. B., Bazhenov, A. E. - Equations describing the motion of a mounted sowing unit. p. 5.
- Bazhenov, A. E. - Dynamics of the motion of a mounted sowing unit. p. 13.
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- SEL'SKAYA NOV' [RURAL NEWS].** Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Kiev, no. 1, Jan. 1967. (DNAL)
- SEL'SKII MEKHANIZATOR [THE RURAL MECHANIC].** Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, no. 12, Dec. 1966; vol. 10, no. 1, Jan. 1967.
- SEL'SKOE KHOZIAISTVO; sistematicheskii ukazatel' stolov i vnostrannykh zhurnalakh [AGRICULTURE; Classified Index of Articles in Foreign Periodicals].** Issued by Tsentrálnaya nauchnaya sel'skokhoziaistvennaya biblioteka i Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature]. Moscow, no. 10(128), 1966.
- SEL'SKOE KHOZIAISTVO BELORUSII [AGRICULTURE OF WHITE RUSSIA].** Issued by Ministerstvo sel'skogo khozaistva Belorusskoi SSR [Ministry of Agriculture of the White Russian S.S.R.]. Minsk, vol. 15, no. 1(21), Jan. 1967.
- SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHISTAN].** Issued by Tsentrálnyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan]. Alma-Ata, no. 1, Jan. 1967.
- SEL'SKOE KHOZIAISTVO KIRGIZII [AGRICULTURE OF KIRGHIZIA].** Issued by Ministerstvo sel'skogo khozaistva Kirgizskoi SSR [Ministry of Agriculture of the Kirghiz S.S.R.]. Frunze, vol. 13, no. 1, Jan. 1967.
- SEL'SKOE KHOZIAISTVO MOLDAVII [AGRICULTURE OF MOLDAVIA].** Issued by Ministerstvo sel'skogo khozaistva Moldavskoi SSR [Ministry of Agriculture of the Moldavian S.S.R.]. Kishinev, vol. 12, no. 1, Jan. 1967.
- SEL'SKOE KHOZIAISTVO ROSSII [AGRICULTURE OF RUSSIA].** Issued by Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R. S. F. S. R.]. Moscow, nos. 1-2, Jan.-Feb. 1967.
- SEL'SKOE KHOZIAISTVO TURKMENISTANA [AGRICULTURE OF TURKMENISTAN].** Issued by Ministerstvo sel'skogo khozaistva Turkmenskoi SSR [Ministry of Agriculture of the Turkmen S.S.R.]. Ashkhabad, vol. 10, no. 12, Dec. 1966.
- SEL'SKOE KHOZIAISTVO UZBEKISTANA [AGRICULTURE OF UZBEKISTAN].** Issued by Ministerstvo sel'skogo khozaistva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.]. Tashkent, nos. 10-11, Oct.-Nov. 1966.
- SEL'SKOKHOZIAISTVENNAIA BIOLOGIIA [AGRICULTURAL BIOLOGY].** Issued by Vsesoyuznaya akademiya sel'skokhoziaistvennykh nauk imeni V. I. Lenina [Lenin All-Union Academy of Agricultural Sciences]. Moscow, vol. 1, no. 6, 1966.
- Table of contents translated:
- Lysikov, V. N. - Some problems of experimental mutagenesis in corn. p. 783.
- Kuz'min, V. P. - Melioration of land and field crop breeding in northern Kazakhstan. p. 790.
- Zhdanov, L. A. - Breeding sunflower for high oil content. p. 797.
- Lutkov, A. N., Kovalenko, V. I. - Development of lines maintaining cytoplasmic male sterility in sugar beets. p. 804.
- Gavrilenko, V. F., Fatalieva, S. M. - Oxidative metabolism in the roots of peas and corn under various iron feeding. p. 809.
- Chukhidi, S. S., Motukhly, G. R., Sevast'yanov, V. I. - Intensity of photosynthesis in winter barley in fall. p. 816.
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- Rizhanova, E. I. - Effect of photoperiodic reaction on some species and varieties of leguminous plants. p. 826.
- Titova, Z. V., Andreenko, S. S. - Change in phosphorus metabolism under low temperatures in the 1001 zone. p. 835.
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- Tomme, M. F., Filipovich, E. G. - Effect of vitamin B12 on the requirement of swine and laboratory animals in methionine. p. 876.
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- Kurlov, I. V., and others. - Absorption and metabolism of feed digestion products by rumen walls. p. 890.
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- Kompaneis, M. K. - Outstanding scientist-biologist, breeder, and seed grower. p. 929.



**SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.]** Issued by Tsentrálnaia nauchnaia sel'skokhoziaistvennaya biblioteka [Central Agricultural Library] Moscow, no. 12, 1968.

**SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]** Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.], Moscow, vol. 5, no. 2, 1967.

**SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZ'IIA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY]** Issued by Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.] Saratov, vol. 13, no. 1, Jan. 1967.

**SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVL'RNOGO KAVKAZA I TSCHO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION]** Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.], Krasnodar, vol. 5, no. 2, Feb. 1967.

**SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIDIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST]** Issued by Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.], Omsk, vol. 11, no. 1, 1967.

**SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS]** Organ of Ministerstvo sel'skogo khoziaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.], Sverdlovsk, vol. 5, no. 1, Jan. 1967.

**SOTSIALISTLIK POLUMAJANDUS [SOCIALIST AGRICULTURE]** Issued by Eesti NSV Põllumajanduse Ministerium [Ministry of Agriculture of the Estonian S.S.R.], Tallinn, vol. 22, no. 2, Jan. 1967. [In Estonian]

**TIFLIS. GRUZINSKII NAUCHNO ISSEDOVATELSKII INSTITUT MEKHANIZATSI I ELEKTRIFIKATSI SEL'SKOGO KHOZIAISTVA**, Trudy [GEORGIAN SCIENTIFIC RESEARCH INSTITUTE FOR THE MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE, Transactions], Vol. 3, no. 2, 1962.

Table of contents translated.  
Gugushvili, M. M. - Improving the technology of tilling soil before sowing in the humid zone of western Georgia, p. 3.  
Khantadze, G. A. - For greater precision in calculating the energy balance during the process of filling an internal combustion engine, p. 17.  
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**ЎЗБЕКИСТОН КИШЛОҚ ХУЎՀАЛИҚИ [AGRICULTURE OF UZBEKISTAN]** Organ of Ministerstvo sel'skogo khoziaistva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.], Tashkent, nos. 11-12, Nov.-Dec. 1968. [In Uzbek]

**UZBEKSKAIA AKADEMIIA SEL'SKOKHOZIAISTVENNOYKH NAUK. Nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii mashinnoy zemledeliia. Nauchnye trudy [UZBEK ACADEMY OF AGRICULTURAL SCIENCES. Scientific Research Institute of the Mechanization and Electrification of Irrigation Farming. Studies]**, Tashkent, no. 5, 1959.

Table of contents translated.  
Amplevskii, S. V., Pak, M. S. - Some requirements for a self-propelled chassis used on irrigated cotton farms, p. 3.  
Rudakov, G. M., Kikukin, K. K. - Attachment to the plow for the plowing of alfalfa fields, p. 8.  
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**VISNYK SIL'SKOHOSPODARSKOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE]** Issued by Ministerstvo sil'skoho hospodarstva Ukrainy [Ministry of Agriculture of the Ukrainian S.S.R.], Kiev, vol. 10, no. 1, Jan. 1967.

**VSESOIUNNOE OBSHCHESTVO POCHVOVEDOV. Kirgizskii filial. Izvestiia [ALL-UNION SOCIETY OF SOIL SCIENTISTS. Kirghiz Branch. Bulletin]**, Frunze, no. 2, 1963.

Table of contents translated.  
Makarenko, V. A. - Some results of studying and prospects for development of soil science in our republic, p. 7.  
Mamytov, A. M., Rotchenko, G. I. - Soil map of Kirghizistan as example of mapping and zoning mountain regions, p. 13.  
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**KALININGRAD. KALININGRADSKII TEKHNIЧЕСKII INSTITUT RYBNOI PROMYSHLENNOSTI I KHOZIAISTVA. Trudy [KALININGRAD TECHNICAL INSTITUTE OF FISHERIES, Transactions]**, Vol. 15, 1962.

Table of contents translated.  
Arkhangolskii, A. G. - Problems of maximum utilization of the load capacity of ship launching and lifting units, p. 3.  
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**MOLOCHNAIA PROMYSHLENNOST' [DAIRY INDUSTRY]** Issued by Ministerstvo mlasnoi i molochnoi promyshlemosti SSSR and Tsentrálnoe pravleniye Nauchno-tekhnicheskogo obshchestva plishchevoi promyshlenosti [Ministry of the Meat and Dairy Industry of the U.S.S.R. and the Central Administration of the Scientific Technological Society of the Food Industry], Moscow, vol. 28, no. 1, Jan. 1967.

**MOLOCHNO-MIASNOE SKOTOVODSTVO [DAIRY AND BEEF CATTLE BREEDING]** Issued by Ministerstvo sel'skogo khoziaistva USSR [Ministry of Agriculture of the Ukrainian S.S.R.], Kiev, nos. 2-3, 1965. (DNL)

**MOSCOW. MOSKOVSKAIA VETERINARNNAIA AKADEMIA. Kafedra zoologii, biologii i promyshlennoi fauny [MOSCOW VETERINARY ACADEMY. Department of Zoology, Biology and the Hunting of the Moose]**, Moscow, no. 2, 1965.

Table of contents translated.  
Daminov, A. G. - Moose hunting, p. 3.  
Nasimovich, A. A. - Geographical distribution of moose, p. 9.  
Ustov, K. T. - Changes in moose range in West Siberian Plain, p. 17.  
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Table of contents translated.  
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- RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoziaistvu pri SNKh SSSR [State Committee for Fisheries, Attached to the Economic Council of the U. S. S. R.]. Moscow, vol. 42, no. 11, 1966.
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- VETERINARIYA [VETERINARY MEDICINE]. Organ of Ministerstva sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U. S. S. R.]. Moscow, vol. 43, no. 11, Nov. 1966.
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- Table of contents translated  
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- Table of contents translated:  
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- Table of contents translated  
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GORKIY, POLITEKHNICHESKII INSTITUT, Trudy [POLYTECHNIC INSTITUTE, Transactions]. Vol. 15, no. 2, 1950.

- Table of contents translated  
 Kalinov, I. V., Semenov, K. V., Klushenkov, L. N. - Investigating the GAZ steam-pneumatic die hammer. p. 5.  
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INFORMATSIONNYI UKAZATEL' STANDARTOV [INFORMATION INDEX OF STANDARDS]. Issued by Gosudarstvennyi komitet standartov, mekhanizatsionnykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, vol. 27, nos. 11-12, 1966.

IUNYI TEKHNIK [YOUNG TECHNICIAN]. Issued by TsK VLKSM and Tsentralnyi sovet pionerskoi organizatsii imeni V. I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the Lenin Pioneers]. Moscow, vol. 11, no. 2, Feb. 1967.

\*IZMERITEL'NAIA TEKHNIKA [MEASUREMENT TECHNIQUES]. Issued by Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov SSSR [State Committee of Standards, Measures, and Measuring Instruments of the U.S.S.R.]. Moscow, no. 6, June 1962.

- Table of contents translated:  
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IZOBRETEL'EL' I RATSIONALIZATOR [INVENTOR AND EFFICIENCY PROMOTER]. Issued by Vsesoyuznoe obshchestvo izobretatel' i ratsionalizatorov [All-Union Society of Inventors and Efficiency Promoters]. Moscow, no. 12(24), 1966.

- Table of contents translated:  
 Uman'skii, A. - The year 1966. p. 1.  
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\*IZOBRETIENIA, PROMYSHLENNYI OBRATZTSY, TOVARNYE ZNAKI [INVENTIONS, INDUSTRIAL SAMPLES, TRADEMARKS]. Issued by Komitet po delam izobretenii i otkrytii pri Sovete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, nos. 1-2, 1967.

LENINGRAD, POLITEKHNICHESKII INSTITUT, Trudy [POLYTECHNIC INSTITUTE, Transactions]. No. 261, 1965.

- Table of contents translated:  
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- L'VOV, POLITEKHNIČNII INSTITUT. Nauchnye zapiski [POLYTECHNIC INSTITUTE. Studies].** No. 80, 1962. Voprosy razvedochnoi geofiziki [Problems of prospecting geophysics], no. 2.
- Table of contents translated.
- Vosnachuk, S. I. - Theory of electric logging probes. p. 3.
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- MINSK, BELORUSSKII POLITEKHNIČESKII INSTITUT. Sbornik nauchnykh trudov [WHITE RUSSIAN POLYTECHNIC INSTITUTE. Papers].** No. 79, 1959.
- Table of contents translated.
- Treier, V. N. - Method for calculating ball bearings. p. 3.
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- Table of contents translated.
- From exhibition into production, experiences of the work of the Moscow Economic Region. p. 1.
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- Table of contents translated.
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- NOVYE KNIGI ZA RUBEZHOM. Seriya B. Tekhnika [NEW FOREIGN BOOKS. Series B. Technology].** Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature], Moscow, vol. II, no. 1, Jan. 1967.
- \* PMTF: zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF, Journal of Applied Mechanics and Technical Physics]. Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U.S.S.R.], Moscow, no. 3, May-June 1962.
- Table of contents translated.
- Liubli, L. A., Novitskii, A. S. - Motion of gas bubbles caused by pulsating pressure in a liquid in the absence of mass forces. p. 3.
- Zimin, E. P., Popov, V. A. - Determining the optimum compositions of gaseous mixtures in the case of an easily ionizable additive. p. 10.
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- PERM, POLITEKHNIČESKII INSTITUT. Nauchnye trudy [POLYTECHNIC INSTITUTE. Studies].** No. 12, pt. 1, 1962.
- Table of contents translated.
- Shecherbakov, O. A. - Kyn-Chesovaya highland and its development in Carboniferous. p. 3.
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- PROMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA].** Issued by Sovet narodnogo khoziaistva Armianskoi SSR [Economic Council of the Armenian S.S.R.], Yerevan, vol. 9, no. 10, 1960.
- Table of contents translated.
- The banner of the five-year plan. p. 3.
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# PROMYSHLENNOST' BELORUSSII [INDUSTRY OF WHITE RUSSIA]. Issued by Gosudarstvennyi planovoi komitet Soveta Ministrov BSSR and Vsesoyuznyi respublikanskii sovet NTO [State Planning Committee of the Council of Ministers of the White Russian S.S.R. and the Supreme Republic Council of the Scientific Technological Society]. Minsk, vol.9, no.12(103), Dec. 1966.

- Table of contents translated
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# VOПРОСЫ ИЗОБРЕТАТЕЛЬСТВА [PROBLEMS OF INVENTION]. Issued by Tsentralnyi nauchno-issledovatel'skii institut patentnoi informatsii i tekhniko-ekonomicheskikh issledovani [Central Scientific Research Institute of Patent Information and Technical Economic Studies]. Moscow, no.8, Aug. 1966.

- Table of contents translated:
- Basilov, A.G., Pladis, T.A. - Planning the efficiency of the introduction of inventions and innovations. p.3.
- Orkels, I.A. - Novelty of an invention and author's remuneration. p.7.
- Zemin, I.A. - Imported patents. p.9.
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Table of contents translated:

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Issued by Vsesoiuznoe dobrovol'noe obshchestvo sodeistviya armii, aviatzii i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, vol.17, no.9, Sep. 1966.

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### MOSCOW. AVIATIONNIYI TEKHNOLOGICHESKII INSTITUT. Trudy [TECHNOLOGICAL INSTITUTE OF AERONAUTICS, Transactions]. No.66, 1966. Structure and properties of aircraft steels and alloys.

- Table of contents translated:
- Vishniakov, D.I.A., Sovolova, A.A. - Effect of carbide forming elements on kinetics of isothermal transformations of austenite and mechanical properties of manganese-molybdenum steel. p.5.
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REFERATIVNYI ZHURNAL VOZDUSHNYI TRANSPORT [JOURNAL OF ABSTRACTS AIR TRANSPORTATION]. Issued by Institut mekhanicheskoi informatsii Akademi nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1967.

#### c. CHEMICAL TECHNOLOGY

- GAZOVAYA PROMYSHLENNOST' [GAS INDUSTRY]. Organ of Ministerstvo gazovoi promyshlennosti [Ministry for the Gas Industry] and others. Moscow, vol. 11, no. 11, 1966.
- Table of contents translated
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- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated:
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#### KHIMICHESKAIA PROMYSLLENOST' UKRAINY

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- Table of contents translated:
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- Table of contents translated
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- Table of contents translated:
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- STROITEL' [THE BUILDER]. Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR i Tsentral'nyi komitet Profsojuza iabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee for Construction of the U.S.S.R. and the Central Committee of the Trade Union of Construction and Building Materials Workers]. Moscow, vol. 12, nos. 1(136)-2(137), Jan.-Feb. 1967.

# TRANSPORTNOE STROITEL'STVO [CONSTRUCTION FOR THE TRANSPORTATION INDUSTRY]. Organ of Ministerstvo transportnogo stroitel'stva SSSR [Ministry of Construction for the Transportation Industry of the U.S.S.R.], Moscow, vol. 11, no. 11, Nov. 1961

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## VODOSNABZHENIE, KANALIZATSIA, GIDROTEKHNI-CHESKIE SOORUZHENIYA [WATER SUPPLY, SEWERAGE, HYDRAULIC STRUCTURES]. Kiev, no. 1, 1960. Industrial sewerage and purification of waste water.

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VSESOIUZNIY NAUCHNO-ISSLEDOVATELSKIY INSTITUT NOVIKH STROITEL'NYKH MATERIALOV.  
Sbornik trudov [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF NEW BUILDING MATERIALS. Papers].  
Moscow, no. 7(15), 1966. Glass plastics in building; collection of works.

- Table of contents translated:
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- Table of contents translated:
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\*AVTOMATIKA I TELEMETRIYA [AUTOMATIC AND REMOTE CONTROL]. Issued by Institut avtomaticheskoy telemekhaniki Akademii nauk SSSR [Institute of Automatic and Remote Control of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1966.

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AVTOMATYKA [AUTOMATIC CONTROL]. Issued by Institut kibernetiky Akademii nauk URSR [Institute of Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 11, no. 6, 1966.

- Table of contents translated
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- Table of contents translated
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\*ELEKTROSVIAZ' [TELECOMMUNICATION]. Organ of Ministerstvo svyazi SSSR i Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektrosvyazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 20, no. 12, Dec. 1966.

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**MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT ELEKTROENERGETIKI. Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ELECTRIC POWER ENGINEERING, Transactions].** No. 22, 1965.

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- RADIOTEKHNIKA I ELEKTRONIKA [RADIO ENGINEERING AND ELECTRONICS].** Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 11, no. 11 Nov. 1966
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- Tereshin, O. N., Gurov, A. E., Antipenko, I. I. - Antenna with limited excitation zone. p. 1944.
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- REFERATIVNYI ZHURNAL ELEKTRONIKA I EYE PRIMENENIYE [JOURNAL OF ABSTRACTS ELECTRONICS AND ITS APPLICATIONS]** Issued by Institut nauchoy informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, Jan. 1967.
- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya, Ispolnitsel vysshih uchebnykh zavedeniy, elektromekhanika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus].** Novosibirsk, vol. 9, no. 10, 1966.
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**MOSCOW, VSESOUZNYI NAUCHNO-ISSEDOVATELSKII INSTITUT ELEKTROENERGETIKI, Trudy [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF ELECTRIC POWER ENGINEERING, Transactions].** No. 22, 1966.

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**RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia [Vysshia vysshiikh uchebnykh zavedenii, elektronika i elektronika] [Ministry of Higher and Secondary Specialized Education] Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus] Novochetansk, vol. 9, no. 10, 1966.**

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**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiya legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of Light Industry].** Moscow, no. 5(53), 1966.

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**\* RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiya legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Technology of the Textile Industry].** Moscow, no. 5(54), 1966.

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**\*AVTOMETRIIA [AUTOMETRY].** Issued by Sibirskoe otdelenie Akademii nauk SSSR [Siberian Department of the Academy of Sciences of the U. S. S. R.]. Novosibirsk, no. 3, 1966.

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- Table of contents translated
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- Table of contents translated
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- Table of contents translated:
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- Table of contents translated
- Remikh, I. A. - Calculating no-load losses in crank presses. p. 3.
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- MOSCOW, MOSKOVSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA.** Trudy [MOSCOW INSTITUTE OF ENGINEERS OF RAILROAD TRANSPORTATION, Transactions]. No. 248, 1966. Application of mathematical analysis methods and computers in economic calculations.
- Table of contents translated:
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- Contents, Fedoseev, A. V. [Ways of raising car durability] Puti povysheniya prochnosti vagonov. 193 p.
- \* PRIKLADNAIA MEKANIKA [APPLIED MECHANICS].** Issued by Otdeleniye matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainy [Department of Mathematics, Mechanics, and Cybernetics of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 2, no. 11, 1966.
- Table of contents translated:
- Kil'chevskii, N. A., Konstantinov, A. Kh. - Lateral elastic impact of a ball on an anisotropic plate. p. 1.
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- SERIIA "VAGON I VAGONNOE KHOZIAISTVO" [SERIES "RAILROAD CARS AND CAR MAINTENANCE"].** Issued by Tsentrulnyi Institut nauchno-tekhnicheskoi informatsii i propagandy zheleznodorozhnogo transporta [Central Institute of Scientific and Technical Information and Propaganda of Railroad Transportation]. Moscow, no. 4, 1964.
- Contents: Popov, A. N., Rozinski, F. R. [Factory repair of freight cars and their nodes on conveyors] Zavodskoi remont kuzovnykh vagonov i ikh uzlov na konvelerakh. 39 p.
- No. 5, 1964.
- Contents: Chirkov, V. V. [Basic trends in developing car yards on foreign railroads, a review] Osnovnye tendentsii razvitiia vagonnogo parka na zarubezhnykh zheleznnykh dorogakh, obzr. 37 p.
- No. 6, 1964.
- Contents: Alekseev, V. D., Zirin, S. V. [Advanced technology in inspection and running maintenance of cars at points of technical inspection, information cards 1-8] Peredovaya tekhnologiya osmotra i tekhnicheskogo remonta vagonov na punktakh tekhnicheskogo osmotra, Informatsionnye karty No. 1-8. 25 p.
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- \* TEPILOENERGETIKA [HEAT ENGINEERING].** Organ of Akademii nauk SSSR [Academy of Sciences of the U. S. S. R.] and others. Moscow, vol. 8, no. 2, Feb. 1961.
- Table of contents translated:
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**ZHELEZNODOROZHNIYI TRANSPORT [RAILROAD TRANSPORTATION].** Organ of Ministerstvo putei soobshcheniya SSSR [Ministry of Railroad Transportation of the U. S. S. R.]. Moscow, vol. 46, no. 6, June 1966.

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- Table of contents translated:
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- \*GEOLOGIA RUDNYKH MESTOROZHENII [GEOLOGY OF ORE DEPOSITS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 8, no. 6, Nov. - Dec. 1986.
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- Table of contents translated:
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- Theoretical mechanics. Theory of elasticity.
- Table of contents translated:
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- \*LITENOE PROIZVODSTVO [FOUNDRY PRACTICE]. Organ of Gosudarstvennyi komitet po koordinatsii nauchno-issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research in the U.S.S.R.] and others. Moscow, no. 11, Nov. 1963  
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Table of contents translated:
- Barinov, E. A., Mukhin, B. M. - Apparatus TSM-3 for borehole measurement of three components of a magnetic field vector. p. 7.
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NEFTEGAZOVAYA GEOLOGIYA I GEOFIZIKA [PETROLEUM AND GAS GEOLOGY AND GEOPHYSICS]. Issued by Gosudarstvennyy komitet nefte dobyvayushchey promyshlennosti pri Gosplane SSSR and Tsentralfnyy nauchno-issledovatel'skiy institut tekhniko-ekonomicheskoy issledovaniy po nefliany, neftekhimicheskoy i gazovoy promyshlennosti [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R., and the Central Scientific Research Institute of Technological-Economic Studies on the Petroleum, Petrochemical, and Gas Industry]. Moscow, no. 12, 1986.

Table of contents translated:

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Table of contents translated:

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NETTIANIK [THE PETROLEUM WORKER]. Issued by Ministerstvo nefte dobyvayushchey promyshlennosti SSSR [Ministry of Petroleum Production of the U.S.S.R.] and others. Moscow, vol. 11, no. 11, Nov. 1986.

Table of contents translated:

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NETTIANIYA KHOZIAISTVO [PETROLEUM INDUSTRY]. Organ of Gosudarstvennyy komitet nefte dobyvayushchey promyshlennosti pri Gosplane SSSR [State Committee for Petroleum Production, Attached to the State Planning Committee of the U.S.S.R.] and others. Moscow, vol. 41, no. 9, Sep. 1983.

Table of contents translated:

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- Table of contents translated.
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**\*POROSHKOVAIA METALLURGIYA [POWDER METALLURGY]**, Organ of Institut metallurgiki i spetsial'nykh sployov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S.S.R.], Kiev, vol. 6, no. 11(47), Nov. 1966.

- Table of contents translated.
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**\*REFERATIVNYI ZHURNAL: METALLURGIYA [JOURNAL OF ABSTRACTS: METALLURGY]**, Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 1, Jan. 1967.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia, Izvestiia vysshih uchebnykh zavedenii, chernala metallurgii [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy]**, Moscow, vol. 9, no. 12, 1966.

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- BRATSTVO KOLYSHKIN VOLAKIV PERSHOI UKRAINSKOI DYVIZII UKRAINSKOI NARODNOI ARMI. Visti [BROTHERHOOD OF FORMER SOLDIERS OF THE FIRST UKRAINIAN DIVISION OF THE UKRAINIAN NATIONAL ARMY. News]. Munich, vol. 17, no. 122, 1966.
- KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavnoe politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy]. Moscow, vol. 3, no. 10, May 1963.
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- Gnydluk, B. - But the matter suffers. p. 56.
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- Matveev, M. - His life, an exploit. p. 88.
- News of party and political work. p. 93.
- Follow-up of unpublished letters. p. 95.

NASHI VESTI [OUR NEWS]. Published by Solaz Chlenov, Russkogo koi pusa [The Association of Members of the Russian Corps]. New York, vol. 22, no. 246, Dec. 1966, vol. 23, nos. 247-249, Jan.-Mar. 1967.

RODIMYI KRAI [NATIVE LAND]. Issued by Druzhba volkovoye ob'edinenie [Don Cossack Association]. Paris, no. 67, Nov.-Dec. 1966.

STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, no. 11, Jan. 1967.

VESTNIK PEROPOKHODNIKA [HILRALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravitskaya i politicheskaya obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Kuban Campaign]. Los Angeles, nos. 61-62, Oct.-Dec. 1966 - Jan. 1967.

VISTI KOMBATANTA, VETERANS' NEWS. Issued by United Ukrainian War Veterans in America and others. New York, no. 4/5 (25-26), 1966.

### b. NAVAL SCIENCE

- LENINGRAD, INSTITUT VODNOGO TRANSPORTA. Izdy [INSTITUTE OF WATER TRANSPORTATION. Transactions]. No. 81, 1965. Theory, design, and technical operation of vessels of the river fleet.
- Table of contents translated:
- Basin, A. M., Ivanitskii, I. U. P. - Integral characteristics of the dynamic course-keeping stability of a ship steered by an automatic pilot. p. 5.
- Gofman, A. D., Zalkov, V. I., Semonova-Tian-Shirskaia, A. V. - Calculating the maneuverability of the ship in wind. p. 21.
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- Braslavskii, M. I. - Improving the performance indices of marine auxiliary engines. p. 161.

## No. 82, 1965. Technology of shipbuilding and ship repair.

- Table of contents translated:
- Maidenski, V. P. - Overall mechanization of fitting operations in ship repair. p. 5.
- Nemkov, P. P. - Mechanizing the technological processes of part strengthening in ship repair. p. 11.
- Sokolov, B. K. - Effect of some operational factors on the rate of wear of the cylinder bushings of engines. p. 13.
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- Izak, G. D. - Effect of technological factors on the soundproofing capacity of bulkheads. p. 127.

## MORSKOI SBORNIK: zhurnal Voenno-Morskogo Flota Sotuzh SSR [NAVAL REVIEW, Magazine of the Soviet Navy]. Vol. 49(119), no. 10, Oct. 1966.

- Table of contents translated:
- By the Leninist course. p. 3.
- "All flags will be visiting us..." p. 7.
- Levchenko, G. I. - By order of the revolution. p. 10.
- Kuprovich, V. F. - On the "Samson" during the October Revolution. p. 14.
- Chernyshev, I. P. - The fire of desire serving the public. p. 19.
- Tuz, D. A., V'yunenko, N. P. - Surface ships are really becoming surface ships. p. 22.
- Zhilinskii, N. S., Tarkhanov, I. E. - Freedom of the open sea and the legal procedure of airplane flights. p. 26.

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- Smukh, A. O. - Development of self-contained means of saving the personnel of a sunken submarine. p. 82.

## MOSCOW, GOSUDARSTVENNYI PROEKTNO-KONSTRUKTORSKI I NAUCHNO-ISLEDOVATELSKI INSTITUT MORSKOI TRANSPORTA. Tudy [STATE DESIGN AND SCIENTIFIC RESEARCH INSTITUTE OF MARINE TRANSPORTATION. Transactions]. No. 7(13), 1965. Problems in the operation of the merchant marine.

- Table of contents translated
- Gorbatiy, M. M. - Problems in furnishing a basis for the optimal correlation of the cargo turnover and the traffic capacity of ports. p. 4.
- Gas'kov, L. M., Denisov, K. N. - Use of electronic digital computers in working out schedules for the movement of ships and the loading of ports. p. 17.
- Tikhonova, M. A. - Methodology of quantitative analysis of the productive activity of the merchant marine. p. 22.
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- Kaganov, S. M., Popov, V. P. - Basis for the choice of lifting devices for seagoing vessels. p. 104.
- Balinskii, O. K. - Consolidated calculation of the technological part of the design of ship repairing enterprises. p. 113.

## No. 9(16), 1966. Hydraulic construction work in ports.

- Table of contents translated:
- Gorlunov, B. F. - Some strength and stability reserves that can be realized in calculating sheet-piling on the basis of the limiting state. p. 4.
- Zlatoverkhovnikov, L. F. - Practical method of calculating the stability of the hydraulic structures of ports by the use of circular cylindrical slip surfaces. p. 15.
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- Pal'chinskii, O. V. - Calculating the reinforced concrete constructions of landing structures taking into account their creep. p. 85.
- Prigorodova, Z. N. - Nonlinear problem in the calculation of a continuous beam on yielding elastic supports. p. 101.

## TECHNOI TRANSPORT [INLAND WATER TRANSPORTATION] Issued by Ministerstvo tekhnogo flota [Ministry of the River Fleet]. Moscow, vol. 25, no. 12, 1966.

- Table of contents translated
- Egorov, B. - Increase positively the fixed capital of the shore-based economy. p. 1.
- Galsin, V. - On the way to a reform. p. 3.
- Blank, S. - Improving the wage scale for loading and unloading operations. p. 6.
- Chervinskii, R. - Establishing an optimal program for the building of the fleet. p. 9.
- Moshkin, V., Aksenov, I. U. - Improve the organization of combined railroad and waterway transportation of timber cargoes. p. 11.
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- Gulin, V. - New technology for the servicing of the fleet. p. 15.
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- Babin, V. - Hydraulic construction work in France and the creation of transcontinental waterway. p. 57.

## SUDOSTROENIE [SHIPBUILDING]. Organ of Ministerstvo sudostroitel'noi promyshlennosti SSSR and Nauchno-tekhnicheskoe obshchestvo sudostroitel'noi promyshlennosti [Ministry of the Shipbuilding Industry of the U. S. S. R. and the Scientific Technological Society of the Shipbuilding Industry]. Leningrad, vol. 28, no. 12(242), Dec. 1962.

- Table of contents translated:
- Gallitskii, V. A. - Passenger vessel for the Caspian Sea. p. 1.
- Bruk, V. S. - Architecture of ship smokestacks. p. 8.
- Stef'mashuk, V. N., Shostak, V. P. - Plotting interpolation curves of the stability of salvage ships. p. 11.
- Dubinskii, A. A. - Determining the diameter of the rudder stock of icebreakers and ships sailing in ice-infested waters. p. 13.
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# PART C

## List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

Agitator (6)	Agitator [Agitator]	Biul. MOIP. Old geol. (12c)	Moskovskoe obshchestvo ispytatelei prirody. Bulletin'. Oldel' geologicheskii [Moscow Naturalists' Society, Bulletin. Geological Section]
Agrokhimia (15a)	Agrokhimia [Agrochemistry]	Biul. mezhdu-nar. nauch. s"ezd., konf i kongr. (1a)	Bulleten' mezhdunarodnykh nauchnykh s"ezdov, konferentsii i kongressov [Bulletin of International Scientific Meetings, Conferences, and Congresses]
Aktinometr. ezhem. (13f)	Aktinometricheskii ezhesmeslachnik [Actinometric Monthly]	Biul. Min. vya. i sred. spets. obr. SSSR (8a)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Bulletin' [Ministry of Higher and Secondary Specialized Education Bulletin]
Antibiotiki (14f)	Antibiotiki [Antibiotics]	Biul. Verkh. Suda RSFSR (7)	Russia (1917- R.S.F.S.R.) Verkhovnyi Sud. Bulletin' [Supreme Court. Bulletin]
Apil. delo (14f)	Apteknoe delo [Pharmacy]	Bukhgh. uch. et (5a)	Bukhgaltorskii uch. et [Accounting]
Arkh. anat., gist. i embr. (13c)	Arkhiv anatomi, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]	Bum. i der. prom. (16f)	Bumazhnaia i derevoobrabatovashchaya promyshlennost' [Paper and Woodworking Industry]
Arkhitekt. SSSR (10b)	Arkhitektura SSSR [Architecture of the U.S.S.R.]	Bum. prom. (16f)	Bumazhnaia promyshlennost' [Paper Industry]
Astron. tsir. (13b)	Astronomicheskii tsirkular [Astronomical Circular]	Burenie (16b)	Burenie [Drilling]
Astron. zhur. (13b)	Astronomicheskii zhurnal [Journal of Astronomy]	Den. i kred. (5c)	Den'gi i kredit [Money and Credit]
Atom. energ. (16e)	Atomnaya energiya [Atomic Energy]	Der. prom. (16f)	Derevoobrabatovashchaya promyshlennost' [Woodworking Industry]
Atom. tekhn. za rub. (16a)	Atomnaya tekhnika za rubezhom [Nuclear Engineering Abroad]	Dif. urav. (13e)	Differentsial'nye uravneniia [Differential Equations]
Avi. dor. (16d)	Avtomobil'nye dorogi [Highways]	Dokl. AN Aizm. SSR (13a)	Akademii nauk Aizminskoi SSR, Eriuan. Doklady [Academy of Sciences of the Armenian S.S.R. Reports]
Avi. transp. (16g)	Avtomobil'nyi transport [Automotive Transportation]	Dokl. AN Azerb. SSR (13a)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S.S.R. Reports]
Avtom. i telom. (16e)	Avtomatika i telemekhanika [Automatic and Remote Control]	Dokl. AN BSSR (13a)	Akademii nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S.S.R. Reports]
Avtom. svar (16f)	Akademii nauk URSR, Kiev. Institut elektrozvarivaniia. Avtomaticheskaya svarka [Academy of Sciences of the Ukrainian S.S.R. Institute of Electric Welding. Automatic Welding]	Dokl. AN SSSR (13a)	Akademii nauk SSSR. Doklady [Academy of Sciences of the U.S.S.R. Reports]
Avtomatyka (14e)	Avtomatyka [Automatic Control]	Dokl. AN Tadzh. SSR (1a)	Akademii nauk Tadzhikskoi SSR, Dushanbe. Doklady [Academy of Sciences of the Tajik S.S.R. Reports]
Avtometriia (16g)	Avtometriia [Autometry]	Dokl. Inst. geog. Sib. i Dal'n. Vost. (12b)	Akademii nauk SSSR. Sibirskoe otdelenie. Institut geografii Sibiri i Dal'nego Vostoka. Doklady [Academy of Sciences of the U.S.S.R. Siberian Department, Institute of the Geography of Siberia and the Far East. Reports]
Azerb. med. zhur. (14a)	Azerbaidzhan tıbbi zhurnali. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal]	Dop. AN URSR (13a)	Akademii nauk URSR, Kiev. Dopovidy [Academy of Sciences of the Ukrainian S.S.R. Reports]
Azerb. nefi. khoz. (16b)	Azerbaidzhanskoe neftianoe khozaistvo [Azerbaijan Petroleum Industry]	Doshk. voosp. (8a)	Dashkol'noe voospitanie [Preschool Education]
BIKI [Prilozh.] (5a)	Bulleten' inostrannoi kommerscheskoi informatsii; prilozhenie [Bulletin of Foreign Commercial Information; Supplement]	Ekonom. i mat. metod. (5b)	Ekonomika i matematika
Bet. i zheol. - bet. (16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]	Ekonom. nefteob. prom. (5b)	Ekonomika i nefti
Bezop. truda v prom. (16a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	Ekonom. sel'khoz. (5b)	Ekonomika i sel'skoe khoz. i kul'tura
Bibl. (nostr. bibl. po khim. (2a)	† Bibliografiia inostrannoi bibliografi po khimii [Bibliography of Foreign Bibliography on Chemistry]	Ekonom. stroit. (5b)	Ekonomika i stroitel'stvo
Bibliotekar' (2b)	Bibliotekar' [The Librarian]	Eksper. khim. i anal. (14h)	Eksp. i anal. [Experimental and Analytical]
Biofizika (13e)	Biophysika [Biophysics]	Elek. i topl. tiaga (16g)	Elektrichesk. i topl. tiaga
Biokhimia (13c)	Biokhimia [Biochemistry]	Elek. sta. (16e)	Elektrichesk. i energ. [Electricity and Energy]
Biol. i prom. losia (15b)	† Moscow. Moskovskaya veterinarnaia akademiia. Kafedra zoologii, biologii i promysel losia [Moscow Veterinary Academy. Department of Zoology, Biology and the Hunting of the Moose]	Elektrichesk. istochn. (16e)	Elektrichesk. i energ. [Electricity and Energy]
Biol. res. vod. Mold. (13c)	Biologicheskoe resursy vodocomov Moldavi [Biological Resources of the Bodies of Water of Moldavia]	Elektro-khimia (13d)	Elektrokhimiia
Biul. eksp. biol. i med. (14a)	Bulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]		
Biul. Glav. bot. sada (13c)	Moscow. Glavnyi botanicheskii sad. Bulletin' [Main Botanical Garden, Bulletin]		
Biul. Ispol. kom. Mosk. gor. sov. (8)	Moscow. Ispolnitel'nyi komitet. Bulletin' [Executive Committee, Bulletin]		

Mol. komm (6)	Molodoi kommunist [The Young Communist]	Nov lit po Bolg (2a)	Novaya literatura po Bolgarii [New Literature on Bulgaria]
Mont i spets. rab v stroit. (16d)	Montazhnye i spetsial'nye raboty v stroitel'stve [Assembly and Specialized Operations in Construction]	Nov lit po Chexk (2a)	Novaya literatura po Chexoslovaki [New Literature on Czechoslovakia]
Mor. sbor (17b)	Morskoi sbornik, zhurnal Voenno-Morskogo Flota SSSR [Naval Review, Magazine of the Soviet Navy]	Nov lit po Ger Dem Resp. (2a)	Novaya literatura po Germanской Demokraticeskoi Respublike [New Literature on the German Democratic Republic]
Muk - elev, prom (16f)	Mukomol'no-elevatornaya promyshlennost' [Flour Milling and Grain Storage]	Nov lit po IUG (2a)	Novaya literatura po Iugoslavii [New Literature on Yugoslavia]
Na stroit Ros. (16d)	Na stroitakh Rossii [At Russian Construction Projects]	Nov. lit. po obshch. probl. evrop. sots. stran (4a)	Novaya literatura po obshchim problemam evropeiskikh sotsialisticheskikh stran [New Literature on the General Problems of the European Socialist Countries]
Nar Az i Afr (4a)	Narody Azii i Afriki, istoriya, ekonomika, kul'tura [Peoples of Asia and Africa, History, Economics, Culture]	Nov. lit. po Pol'. (2a)	Novaya literatura po Pol'she [New Literature on Poland]
Nar obr (8a)	Narodnoe obrazovanie [Public Education]	Nov. lit. po Rum (2a)	Novaya literatura po Rumynii [New Literature on Rumania]
Nauch. rab. stud. Tamb. gos. ped. inst. (1a)	Tambov Gosudarstvennyi pedagogicheskii institut. Nauchnye raboty studentov: Filologiya, istoriya, pedagogika [State Pedagogical Institute. Student Research Papers: Philology, History, Pedagogy]	Nov. lit. po Veng. (2a)	Novaya literatura po Vengrii [New Literature on Hungary]
[Nauch. trudy] ENIKMASHa (16g)	Moscow. Eksperimental'nyi nauchno-issledovatel'skii institut kuznechno-pressovogo mashinostroyeniya. (Nauchnye trudy) [Experimental Scientific Research Institute for Press Forging in Machinery Manufacture Studies]	Nov mir (11b)	Novyi mir [The New World]
Nauch. trudy Perm. politekh. inst. (16a)	Perm. Politehnicheskii institut. Nauchnye trudy [Polytechnic Institute. Studies]	Nov. sov. ekon. lit. (5b)	Novaya sovetskaya ekonomicheskaya literatura [New Soviet Economic Literature]
Nauch. trudy TashGU (1a)	Tashkent. Universitet. Nauchnye trudy [University. Studies]	Nov. sov. i inostr. lit. po stran. Az. i Afr. (2a)	Novaya sovetskaya i inostrannaya literatura po stranam Azii i Afriki [New Soviet and Foreign Literature on the Countries of Asia and Africa]
Nauch. trudy UZNIIME (15a)	Uzbeckskaia akademiya sel'skokhoziaistvennykh nauk. Nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii oroshayemogo zemledeliya. Nauchnye trudy [Uzbek Academy of Agricultural Sciences. Scientific Research Institute of the Mechanization and Electrification of Irrigation Farming. Studies]	Nov. sov. i inostr. lit. po vop. ateiz. i rel. (3b)	Novaya sovetskaya i inostrannaya literatura po voprosu ateizma i religii [New Soviet and Foreign Literature on the Problems of Atheism and Religion]
Nauch. zap. LPI (16a)	L'vov. Politehnicheskii institut. Nauchnye zapiski [Polytechnic Institute. Studies]	Nov. sov. i inostr. lit. o nauke i nauch. issled. v SSSR (2a)	Novaya sovetskaya literatura o nauke i nauchnom issledovanii [New Soviet Literature on Science and General Research in the U.S.S.R.]
Neft. i gaz. prom. (16h)	Neftianaya i gazovaya promyshlennost' [Petroleum and Gas Industry]	Nov. sov. lit. po fillos. (3a)	Novaya sovetskaya literatura po filiosofii [New Soviet Literature on Philosophy]
Neft. khoz. (16h)	Neftianoe khoziaistvo [The Petroleum Industry]	Nov. sov. lit. po laz. (11a)	Novaya sovetskaya literatura po lazykoznaniiu [New Soviet Literature on Linguistics]
Neftegaz. geol. i geofiz. (16h)	Neftegazovaya geologiya i geofizika [Petroleum and Gas Geology and Geophysics]	Nov. sov. lit. po ist., arkh. i etn. (4a)	Novaya sovetskaya literatura po istorii, arkhologii i etnografii [New Soviet Literature on History, Archaeology, and Ethnography]
Neftekhimiya (16c)	Neftekhimiya [Petrochemistry]	Nov. sov. lit. po lit. (11b)	Novaya sovetskaya literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
Nefteprom. delo (16h)	Neftepromyslovoe delo [Petroleum Production]	Nov. vrem. (6)	Novoe vremia [New Times]
Neftianik (16h)	Neftianik [The Petroleum Worker]	Obog. rud (16h)	Obogashchenie rud [Ore Dressing]
Nov. inostr. ekon. lit. (5b)	Novaya inostrannaya ekonomicheskaya literatura [New Foreign Economic Literature]	Okeanologiya (12b)	Okeanologiya [Oceanology]
Nov. inostr. knig., kat. nov. pristup. (2b)	Akademiya nauk SSSR. Biblioteka. Noveye inostrannye knigi, katalog novykh postuplenii. [Academy of Sciences of the U.S.S.R. Library. New Foreign Books; Catalog of New Accessions. . .]	Okhr. truda i sots. strakh. (5d)	Okhraneniye truda i sotsial'nogo strakhovaniya [Protection of Labor and Social Insurance]
Nov. inostr. lit. po fillos. (3a)	Novaya inostrannaya literatura po filiosofii [New Foreign Literature on Philosophy]	Opyt. rab. bibliot. s inostr. lit. (2b)	Moscow. Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury. Opyt raboty bibliotek s inostrannoi literaturoi [All-Union State Library of Foreign Literature. Library Practices in Working With Foreign Materials]
Nov. inostr. lit. po laz. (11a)	Novaya inostrannaya literatura po lazykoznaniiu [New Foreign Literature on Linguistics]	PMTF (16a)	PMTF; zhurnal prikladnoi mekhaniki i tekhnicheskoi fiziki [PMTF; Journal of Applied Mechanics and Technical Physics]
Nov. inostr. lit. po ist., arkh. i etn. (4a)	Novaya inostrannaya literatura po istorii, arkhologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]	Paleont. zhur. (12a)	Paleontologicheskii zhurnal [Paleontological Journal]
Nov. inostr. lit. po lit. (11b)	Novaya inostrannaya literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]	Palest. sbor. (4a)	Palestinetskii sbornik [Palestine Review]
Nov. knigi SSSR (2a)	Noveye knigi SSSR [New Books of the U.S.S.R.]	Paraz. zhiv. i rast. (13c)	Parazitny zhiivotnykh i rastenii [Parasites of Animals and Plants]
Nov. knigi za rub. Ser. A (13a)	Noveye knigi za rubezhom. Seriya A: Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizicheskaya geografiya [New Foreign Books: Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]	Part. zhizn' (8)	Partiinaya zhizn' [Party Life]
Nov. knigi za rub. Ser. B (16a)	Noveye knigi za rubezhom. Seriya B: Tekhnika [New Foreign Books. Series B: Technology]	Pat. fiziol. i eksp. terap. (14c)	Patologicheskaya fiziologiya i eksperimental'naya terapiya [Pathological Physiology and Experimental Therapy]
Nov. knigi za rub. Ser. V (3a)	Noveye knigi za rubezhom. Seriya V: Biologiya, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]	Plav. v red. zhur. eksper. i teoret. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki. Plavaniye v redaktsii [Journal of Experimental and Theoretical Physics. Letters to the Editors]
Nov. knigi za rub. po obshchestv. naukam (2a)	Noveye knigi za rubezhom po obshchestvennykh naukam; ekonomika, filiosofiya, istoriya, mezhdunarodnye otnosheniya [New Foreign Books on the Social Sciences: Economics, Philosophy, History, International Relations]	Plan. khoz. (5b)	Plannovoe khoziaistvo [Planned Economy]
Nov. lit. o nauke i nauch. issled. rab. za rub. (2a)	Novaya literatura o nauke i nauchno-issledovatel'skoi rabote za rubezhom [New Literature on Science and Research Abroad]	Plast. massy (16c)	Plasticheskiye massy [Plastics]
		Pochv. ust. i effek. udob. (16a)	Pochvonnnye usloviya i effektivnost' udobrenii [Soil Conditions and Effectiveness of Fertilizers]
		Pochvovedenie (15a)	Pochvovedenie [Soil Science]

Poligr. proizv (3c)	Poligraficheskoe proizvodstvo [Printing Industry]	Sbor. nauch. rab. SIBNIVI (15b)	Omsk. Sibirskii nauchno-issledovatel'skii veterinarnyi institut. Sbornik nauchnykh rabot [Siberian Scientific Research Veterinary Institute, Papers]
Porosh. met. (16h)	Poroshkovaya metallurgiya [Powder Metallurgy]	Sbor. nauch. trud. Bel. politekh. inst. (16a)	Minsk. Belorusskii politekhnicheskii institut. Sbornik nauchnykh trudov [White Russian Polytechnic Institute, Papers]
Pravoznavstvo (7)	Pravoznavstvo [Jurisprudence]	Sbor. post. VTSSPS (5d)	Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soizuzov. Sbornik postanovlenii [All-Union Central Council of Trade Unions, Decisions]
Prikl. biokhim. i mikrobiol. (13c)	Priladnaya biokhimiya i mikrobiologiya [Applied Bio- chemistry and Microbiology]	Sbor. rab. Koms. GMO (13f)	Komsomol'skiy (Saratov Province) Gidrometeorologich- eskaya observatoriya, Sbornik rabot [Hydrometeorological Observatory, Papers]
Prikl. mekh. (16g)	Priladnaya mekhanika [Applied Mechanics]	Sbor. rab. Ryb. gidromet. obser. (13f)	Rybinsk. Gidrometeorologicheskaya observatoriya, Sbornik rabot [Hydrometeorological Observatory, Papers]
Priroda (13a)	Priroda [Nature]	Sbor. st. III razd. prog. MGG (13f)	Akademii nauk SSSR, Mezhdunarodnyy geofizicheskii komitet. III razdel programmy MGG. Sbornik statei [Academy of Sciences of the U. S. S. R. Interdepartmental Geophysical Committee, 3d Section of the IGY Program, Papers]
Probl. Arkt. (12b)	Problemy Arktiki [Problems of the Arctic]	Sbor. st. X razd. prog. MGG (12b)	Akademii nauk SSSR, Mezhdunarodnyy geofizicheskii komitet. X razdel programmy MGG. Sbornik statei [Academy of Sciences of the U. S. S. R. Interdepartmental Geophysical Committee, 10th Section of the IGY Pro- gram, Papers]
Probl. endok. i gorm. (14a)	Problemy endokrinologii i gormonoterapii [Problems of Endocrinology and Hormone Therapy]	Sbor. st. X razd. prog. MGG, Okean. (12b)	Akademii nauk SSSR, Mezhdunarodnyy geofizicheskii komitet. X razdel programmy MGG, Okeanologiya, Sbor- nik statei [Academy of Sciences of the U. S. S. R. Inter- departmental Geophysical Committee, 10th Section of the IGY Program, Oceanology Papers]
Probl. gemat. i pere- krovi (14c)	Problemy gematologii i perekrivaniya krovi [Problems of Hematology and Blood Transfusion]	Sbor. trud. asp. i mol. nauch. sotr. VIR (15d)	Leningrad. Vsesoiuznyi institut rastenievodstva, Sbornik trudov aspirantov i molodykh nauchnykh sotrudnikov [All- Union Institute of Plant Culture, Papers by Graduate Students and Young Research Workers]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]	Sbor. trud. ROSNIMS (16d)	Moscow. Respublikanskii nauchno-issledovatel'skii institut metallurgicheskikh stroitel'nykh materialov. Sbornik trudov [Republican Scientific Research Institute of Local Building Materials, Papers]
Prom. Bel. (16a)	Promyshlennost' Belorussii [Industry of White Russia]	Sbor. trud. UkrNIIB (16c)	Kiev. Ukrainskii nauchno-issledovatel'skii institut tsel- luloznoi i bumazhnoi promyshlennosti. Sbornik trudov [Ukrainian Scientific Research Institute for the Wood- pulp and Paper Industries, Papers]
Prom. energ. (16e)	Promyshlennaya energetika [Industrial Power]	Sbor. trud. VNIINSM (16d)	Vsesoiuznyi nauchno-issledovatel'skii institut rovykh stroitel'nykh materialov. Sbornik trudov [All Union Scientific Research Institute of New Building Materials Papers]
Prom. stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]	Sel'. stroi. (16d)	Sel'skoe stroitel'stvo [Rural Construction]
Prom. zdan. (16d)	Promyshlennyye zdaniya [Industrial Buildings]	Sel'. khoz., biol. (16a)	Sel'skokhoziaistvennaya biologiya [Agricultural Biology]
Put' i put. khoz. (16d)	Put' i putevoy khoziaistvo [Railroad Tracks and Roadway Maintenance]	Sel'. khoz., lit. SSSR (16a)	Sel'skokhoziaistvennaya literatura SSSR [Agricultural Literature of the U. S. S. R.]
Rad. pravo (7)	Radians'ke pravo [Soviet Law]	Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Radobiologiya (13c)	Radobiologiya [Radiobiology]	Ser. "Vag. i vag. khoz." (16g)	Seriya "Vagony i vagonnoe khoziaistvo" [Series "Railroad Cars and Car Maintenance"]
Radiotekh. i elektron. (16e)	Radiotekhnika i elektronika [Radio Engineering and Elec- tronics]	Shakhl. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Rast. res. (13c)	Rastitel'nye resursy [Plant Resources]	Shestimes. kat. nau. dan. MGG po meteor. (13f)	Mirovoi tsentr dannykh B1, Shestimesiachnyi katalog po seizmologii, tsunami i gravimetrii [World Data Center B1, Semiannual Catalog of Data on Seismology, Tsunamis, and Gravity]
Razved. i okh. nedr (16h)	Razvedka i okhrana nedr [Prospecting and Conserva- tion of Mineral Resources]	Soob. Lab. agrokhim. AN Arm. SSR (16a)	Akademii nauk Armianskoi SSR, Erivan. Laboratoriya agrokhimii. Soobshcheniya [Academy of Sciences of the Armenian S. S. R. Laboratory of Agrochemistry, Reports]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]	Sots. obesp. (5c)	Sotsial'noe obespecheniye [Social Security]
Ref. sbor. Ekonom. prom. (5b)	Referativnyi sbornik Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]	Sots. trud (6d)	Sotsialisticheskiy trud [Socialist Labor]
Ref. zhur.: Elek. i ee prim. (16e)	Referativnyi zhurnal Elektronika i ee primeneniye [Journal of Abstracts: Electronics and its applications]	Sots. zakon. (7)	Sotsialisticheskaya zakonnoost' [Socialist Legality]
Ref. zhur.: Fiz. (13f)	Referativnyi zhurnal. Fizika [Journal of Abstracts: Physics]	Sov. arkheol. (4b)	Sovetskaya arkheologiya [Soviet Archaeology]
Ref. zhur.: Geofiz. (13f)	Referativnyi zhurnal: Geofizika [Journal of Abstracts: Geophysics]	Sov. bibl. (2a)	Sovetskaya bibliografiya [Soviet Bibliography]
Ref. zhur.: Geog. (12b)	Referativnyi zhurnal: Geografiya [Journal of Abstracts: Geography]	Sov. geol. (12c)	Sovetskaya geologiya [Soviet Geology]
Ref. zhur.: Gbr. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]	Sov. iust. (7)	Sovetskaya iustitsiya [Soviet Justice]
Ref. zhur.: Kib. (13a)	Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics]	Sov. med. (14a)	Sovetskaya meditsina [Soviet Medicine]
Ref. zhur.: Met. (16h)	Referativnyi zhurnal: Metallurgiya [Journal of Abstracts: Metallurgy]		
Ref. zhur.: Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation]		
Ref. zhur.: Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]		
Rost krist. (13d)	Rost kristallov [Growth of Crystals]		
Ryb. khoz. (16b)	Rybnoe khoziaistvo [Fisheries]		
Sbor. NIIGMP (13f)	Leningrad. Nauchno-issledovatel'skii institut gidrometeoro- logicheskogo priborostroeniya. Sbornik [Scientific Re- search Institute of Hydrometeorological Instrument Man- ufacture, Papers]		
Sbor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekhn. AN SSSR (5b)	Akademii nauk SSSR, Nauchnyi sovet po effektivnosti osnovnykh fondov kapital'nykh vlozhenii i novoi tekhniki, Sbornik nauchnoi informatsii [Academy of Sciences of the U. S. S. R. Scientific Council on the Effectiveness of Capital Investment Funds and New Technology, Scientific Information]		

Elektrosv'iaz' (16e)	Elektrosv'iaz' [Telecommunication]	Inform. ukaz. stand. (16a)	Informatsionnyi ukazatel' standartov [Information Index of Standards]
Elektrotexnika (16e)	Elektrotexnika [Electrical Engineering]	Iskusstvo (10a)	Iskusstvo [Art]
Energ. stroi (16e)	Energeticheskoe stroitel'stvo [Power Construction]	Isal meteor. (13b)	Akademii nauk SSSR. Mezhdudovomstvennyi geofizicheskii komitet. Issledovanie meteorov [Academy of Sciences of the U.S.S.R. Interdepartmental Geophysical Committee. Meteor Investigations]
Energokhoz. za rub. (16e)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries, Supplement to the Periodical "Electric Power Stations"]	Ist. SSSR (4a)	Istoriia SSSR [History of the U.S.S.R.]
Energomashino-stroenie (16g)	Energomashino-stroenie [Power Machinery Construction]	Izm. tekhn. (16a)	Izmeritel'naya tekhnika [Measurement Techniques]
Etal. vrem. v sred. mom. pered. radioisig (13b)	Etalonnoe vremia v srednie momenty poriadach radioisignalov [Official Time at Mean Moments of Radio Signal Transmissions]	Izobr. i rate. (16a)	Izobretatel' i ratsionalizator [Inventor and Efficiency Promoter]
Fin. SSSR (5c)	Finansy SSSR [Finance of the U.S.S.R.]	Izobr. prom. obraz., tov. znak. (16a)	Izobretenia, promyshlennye obrabztsy, tovarnye znaki [Inventions, Industrial Samples, Trademarks]
Fiz. gor. i vziyva (13f)	Fizika gorenii i vziyva [Physics of Combustion and Blasting]	Izv. AN Arm. SSR, Fiz. (13f)	Akademii nauk Armianskoi SSR, Erivan. Izvestiia. Fizika [Academy of Sciences of the Armenian S.S.R. Bulletin. Physics]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]	Izv. AN Arm. SSR, Ser. tekhn. nauk (16a)	Akademii nauk Armianskoi SSR, Erivan. Izvestiia. Seriya tekhnicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in the Technological Sciences]
Fiziol. zhur. (13c)	Fiziologicheskii zhurnal SSSR [Physiological Journal of the U.S.S.R.]	Izv. AN Azerb. SSR, Ser. nauk o zem. (12c)	Akademii nauk Azerbaidzhanakoi SSR, Baku. Izvestiia. Seriya nauk o zemle [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series of the Earth Sciences]
Gas. prom. (16c)	Gazovaya promyshlennost' [Gas Industry]	Izv. AN Kazakh. SSR, Ser. geol. (12c)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriya geologicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Geological Series]
Gen., sel. i sem. kuk. (15d)	Akademii nauk Moldavskoi SSR, Otdel genetikii rastenii. Genetika, selektsiia i semenovodstvo kukuruzy [Academy of Sciences of the Moldavian S.S.R. Department of Plant Genetics, Genetics, Breeding and Seed Production of Corn]	Izv. Ak. Kazakh. SSR, Ser. geol. nauk (12c)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Izvestiia. Seriya geologicheskikh nauk [Academy of Sciences of the Kazakh S.S.R. Bulletin. Series in the Geological Sciences]
Geol. i geofiz. (12c)	Geologiya i geofizika [Geology and Geophysics]	Izv. AN Mold. SSR (1a)	Akademii nauk Moldavskoi SSR. Izvestiia [Academy of Sciences of the Moldavian S.S.R. Bulletin]
Geol. nefli i gaza (10h)	Geologiya nefli i gaza [The Geology of Petroleum and Gas]	Izv. AN SSSR, Neorg. mat. (13d)	Akademii nauk SSSR. Izvestiia. Neorganicheskie materialy [Academy of Sciences of the U.S.S.R. Bulletin. Inorganic Materials]
Geol. rud. mestorozh. (10h)	Geologiya rudnykh mestorozhdenii [Geology of Ore Deposits]	Izv. AN SSSR, Ser. biol. (13c)	Akademii nauk SSSR. Izvestiia. Seriya biologicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin. Biological Series]
Geomag. i aer. (13i)	Geomagnetizm i aeronomiia [Geomagnetism and Aeronomy]	Izv. AN SSSR, Ser. fiz. (13f)	Akademii nauk SSSR. Izvestiia. Seriya fizicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin. Physical Series]
Gidr. i mel. (15a)	Gidrotekhnika i melioratsiia [Hydraulic Engineering and Reclamation]	Izv. AN SSSR, Ser. geol. (12c)	Akademii nauk SSSR. Izvestiia. Seriya geologicheskikh nauk [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]
Gidr. stroi. (16d)	Gidrotekhnicheskoe stroitel'stvo [Hydrotechnical Construction]	Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk (13a)	Akademii nauk Turkmenakoi SSR, Ashkhabad. Izvestiia. Seriya fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Physical and Technological, Chemical, and Geological Sciences]
Gidroliz. i lesokhim. prom. (10e)	Gidrolizatsiia i lesokhimicheskaya promyshlennost' [Hydrolysis and Wood Chemistry Industry]	Izv. AN Turk. SSR, Ser. obshchestv. nauk (1a)	Akademii nauk Turkmenakoi SSR, Ashkhabad. Izvestiia. Seriya obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]
Gor. zhur. (10h)	Gornyi zhurnal [Mining Journal]	Izv. Alt. otd. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR, Altaiiskii otdel. Izvestiia [Geographical Society of the U.S.S.R. Altai Branch. Bulletin]
Iad. fiz. (13f)	Iadernaya fizika. Journal of Nuclear Physics	Izv. Biol. - geog. nauch. - issl. inst. Irk. un. (13c)	Irkutsk. Universitet. Biologo-geograficheskii nauchno-issledovatel'skii institut. Izvestiia [University. Biogeographical Scientific Research Institute. Bulletin]
Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 1 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-matematicheskie i khimicheskie nauki; nauki o zemle; tekhnika i tekhnicheskoe nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1: Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences]	Izv. Kir. fil. Vses. ob-va pochl. (15a)	Vsesobuznoe obshchestvo pochl. Kirgizskii filial. Izvestiia [All-Union Society of Soil Scientists. Kirghiz Branch. Bulletin]
Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 2 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 2: Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdoravookhraneniye, meditsinskoe nauki [Public Library. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2: Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]	Izv. SO AN SSSR, Ser. obshchestv. nauk (1a)	Akademii nauk SSSR, Sibirskoe otdelents, Izvestiia. Seriya obshchestvennykh nauk [Academy of Sciences of the U.S.S.R. Siberian Department. Bulletin. Series in the Social Sciences]
Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Len. Ser. 3 (2a)	Moscow. Publichnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 3: Obshchestvennye nauki, khudozhestvennaya literatura, iskusstvo [Public Library. Information Bulletin of New Foreign Books Received by the Lenin Library. Series 3. Social Sciences, Belles-Lettres, Art]	Izv. Sev. - Oset. nauch. - issl. inst. (1a)	Ordzhonikidze. Severo-Osetinskii nauchno-issledovatel'skii institut. Izvestiia [North Ossetian Scientific Research Institute. Bulletin]
Inform. biul. Sov. antark. eksp. (1a)	Sovetskaya antarkicheskaya ekspeditsiia, 1955-1958. Informatsionnyi biulleten' [Soviet Antarctic Expedition, 1955-1958. Information Bulletin]	Izv. Vost. - Sib. otd. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR, Vostochno-Sibirskii otdel. Izvestiia [Geographical Society of the U.S.S.R. East Siberian Branch. Bulletin]
Inform. biul. VDNKH (16a)	Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. Informatsionnyi biulleten' [Exhibition of Achievements of the National Economy of the U.S.S.R. Information Bulletin]	Izv. vys. ucheb. zav.; chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Ferrous Metallurgy]
Inform. ukaz. bibl. spis. i kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh opisok i kartotek, sostavlenykh bibliotekami Sovetskogo Soюза [Information Index of Bibliographical Lists and Card Files. Compiled by the Libraries of the Soviet Union]		



Izv. vys. ucheb. zav., elektromekh. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus]	Klin. onk. (14e)	‡ Klinicheskaia onkologiya [Clinical Oncology]
Izv. vys. ucheb. zav., energ. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, energetika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Power Engineering]	Knizh. let. (2a)	Knizhnnaia istoriia' [Book Chronicle]
Izv. vys. ucheb. zav., geod. i aerof. (13b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geodeziia i aerofototekhnika [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Geodesy and Aerial Photography]	Knizh. torg. (2c)	Knizhnnaia torgovlia [Book Trade]
Izv. vys. ucheb. zav., geol. i razv. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geologiya i razvedka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Geology and Prospecting]	Koks i khim. (18c)	Koks i khimii [Coke and Chemistry]
Izv. vys. ucheb. zav., gor. zhur. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, gornyi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mining Journal]	Koii. zhur. (13d)	Kolloidnyi zhurnal [Colloid Journal]
Izv. vys. ucheb. zav., mat. (13c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, matematika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Mathematics]	Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]
Izv. vys. ucheb. zav., radiofiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radiofizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Physics]	Komm. Vooruzh. Sil. (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]
Izv. vys. ucheb. zav., radiolekh. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, radioelekhnika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]	Kommunist. (6)	Kommunist [Communist]
Izv. vys. ucheb. zav., siloi i arkh. (10b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, stroitel'stvo i arkhitektura [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Radio Engineering]	Konts. napriazh. (18g)	‡ Kontsentratsiia napriazhenii [Concentration of Stresses]
Izv. vys. ucheb. zav.; tekh. leg. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii; tekhnologiya legkoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry]	Kristallografiia (13d)	Kristallografiia [Crystallography]
Izv. vys. ucheb. zav., tekh. tekst. prom. (16f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologiya tekstilnoi promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of the Textile Industry]	Kryl. rod. (16b)	Kryl'ia rodnii [Wings of the Motherland]
Kat. dan. po okean. (13b)	‡ Mirovoi tsentr dannykh BI. Katalog dannykh po okeanografii [World Data Center BI. Catalog of Oceanographic Data]	Kuz. - shlam. proizv. (16g)	Kuznechno-shlampovoznoe proizvodstvo [Forging and Stamping]
Kat. dan. po rak. i sput. (13b)	Mirovoi tsentr dannykh BI. Katalog dannykh po raketam i sputnikam [World Data Center BI. Catalog of Data on Rockets and Satellites]	Lab. delo (14e)	Laboratornoe delo [Laboratory Work]
Kat. publ. Mir. tsentra dan BI. (13a)	‡ Mirovoi tsentr dannykh BI. Katalog publikatsii [World Data Center BI. Catalog of Publications]	Leh. prom. (16f)	Lehka promyslovist' [Light Industry]
Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]	Let. druk. BSSR. (2a)	Letapki druku BSSR. Letopis' pechatii BSSR [Chronicle of the Publications of the White Russian S.S.R.]
Khim. i tekh. topl. i masel (18c)	Khimiia i tekhnologiya topliv i masel [Chemistry and Technology of Fuel and Oil]	Let. gazet. st. (2a)	Letopis' gazetnykh statei [Chronicle of Newspaper Articles]
Khim. prirod. soed. (13d)	Khimiia prirodnykh soedinenii [Chemistry of Natural Compounds]	Let. izobr. isk. (10a)	Letopis' izobrazitel'nogo iskusstva [Chronicle of Fine Arts]
Khim. prom. (18c)	Khimicheskaya promyshlennost' [Chemical Industries]	Let. zhur. st. (2a)	Letopis' zhurnal'nykh statei [Chronicle of Periodical Articles]
Khim. prom. [Ukr.] (10c)	Khimichna promyslovist' [Chemical Industries]	Lis. hosp., lis., pap. i der. prom. (18f)	‡ Lisova hospodarsivo, lisova, papirova i derevobrobna promyslovist' [Forestry, Forest, Paper, and Wood-working Industry]
Khim. prom. Ukr. (10c)	Khimicheskaya promyshlennost' Ukrainy [Chemical Industries of the Ukraine]	Lit. i isk. nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries]
Khim. v sel'. khoz. (15a)	Khimiia v sel'skom khoziaistve [Chemistry in Agriculture]	Lit. i pol. iskop. (12c)	Litologiya i poleznye iskopaemye [Lithology and Mineral Resources]
Khirurgiya (14h)	Khirurgiya [Surgery]	Lit. proizv. (16h)	Lit. proizv. [Literature]
Khol. tekh. i tekh. (16c)	Kholodil'naya tekhnika i tekhnologiya [Refrigeration Equipment and Technology]	Mash. i nefl. obr. (16h)	Mashiny i neflianoe obrabotanie [Machinery and Petroleum Equipment]
Kibernetika (13e)	Kibernetika [Cybernetics]	Masl. - zh. prom. (16c)	Maslo-zhitovaya promyshlennost' [Oil and Fat Industry]
		Mat. GKZ (10h)	Materialy GKZ po metodike razvedki, promyshlennoi oislenko i podschetu zapasov mestorozhdenii poleznykh iskopaemykh [Materials of the State Committee on Mineral Resources Dealing with Prospecting Methods, Evaluation, and Calculation of the Amount of Mineral Deposits]
		Mat. kul't. Ustr. (4b)	‡ Material'naya kul'tura Ustrushany [Material Culture of Ustrushana]
		Mat. Otd. mat. geog. i karl. Geog. ob-va SSSR (12b)	Geograficheskoe obshchestvo SSSR. Otdeleniye matematicheskoi geografi i kartografi. Materialy [Geographical Society of the U.S.S.R. Department of Mathematical Geography and Cartography. Materials]
		Med. paraz. i paraz. bol. (14a)	Meditsinskaya parazitologiya i parazitarnye bolezni [Medical Parasitology and Parasitic Diseases]
		Med. rad. (14a)	Meditsinskaya radiologiya [Medical Radiology]
		Med. ref. zhur. (14a)	Meditsinskiy referativnyi zhurnal [Medical Abstracts]
		Meteor. i gidrol. (13f)	Meteorologiya i gidrologiya [Meteorology and Hydrology]
		Metod. i tekh. razved. (16h)	‡ Metodika i tekhnika razvedki [Prospecting methods and Equipment]
		Mezhdunar. zhizn' (8)	Mezhdunarodnaya zhizn' [International Life]
		Mikrobiol. zhur. (13c)	Mikrobiologichnyi zhurnal [Journal of Microbiology]
		Mikrobiologiya (13c)	Mikrobiologiya [Microbiology]
		Min. syr'a (12c)	Mineral'noe syr'e [Mineral Raw Materials]

Sov. pedagog (8a)	Sovetskaya pedagogiya [Soviet Pedagogy]	Trudy Gidropromekta (18d)	Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut "Gidropromekta" [All-Union Scientific Research Institute "Gidropromekta"]
Sov. potrebn. kooper. (5a)	Sovetskaya potrebitel'skaya kooperatsiya [Soviet Consumer Cooperation]	[Trudy] Gos. nauch.-issl. protivochum. inst. (14a)	Novosibirsk, Gosudarstvennyi nauchno-issledovatel'skii institut protivochum. [State Scientific Research Institute "Protyochum"]
Sov. profsoyuz. (13d)	Sovetskii profsoyuz [Soviet Trade Unions]	Trudy IQI (16h)	Akademii nauk SSSR, Institut goruchikh i tekhn. [Academy of Sciences of the U.S.S.R. Institute of Mineral Fuels, Transactions]
Sov. radio i tel. (9a)	Sovetskoe radio i televideniye [Soviet Radio and Television]	Trudy INKh (5b)	Moscow, Institut narodnogo khozyaystva [Institute of the National Economy, Transactions]
Sov. shakht. (16h)	Sovetskii shakhter [Soviet Miner]	Trudy Inst. biol. UFAN SSSR (13c)	Akademii nauk SSSR, Ural'skii filial, [Academy of Sciences of the U.S.S.R. Ural Branch, Institute of Biology, Transactions]
Sov. targ. (5a)	Sovetskaya torgovlya [Soviet Commerce]	Trudy Inst. fiz. Zem. (13f)	Akademii nauk SSSR, Institut fiziki Zemli, [Academy of Sciences of the U.S.S.R. Institute of Physics of the Earth, Transactions]
Sov. Ukr. (11b)	Sovetskaya Ukraina [Soviet Ukraine]	Trudy Inst. gen. (13c)	Akademii nauk SSSR, Institut genetik, [Academy of Sciences of the U.S.S.R. Institute of Genetics, Transactions]
Spir. prom. (10c)	Spirtovalaya promyshlennost' [Distilling Industry]	Trudy Inst. im. N. V. Sklif. (14a)	Moscow, Institut imeni N. V. Sklifosovskogo [Institute of N. V. Sklifosovskii, Transactions]
Sred. veka (14a)	Akademii nauk SSSR, Institut istorii Sredole veka [Academy of Sciences of the U.S.S.R. Institute of History, The Middle Ages]	Trudy Inst. khim. nauk AN Kazakh. SSR (13d)	Akademii nauk Kazakhskoi SSR, Alma-Ata, [Academy of Sciences of the Kazakh S.S.R. Institute of Chemical Sciences, Transactions]
Stal'. (16h)	Stal' [Steel]	Trudy Inst. met. i obog. AN Kazakh. SSR (16h)	Akademii nauk Kazakhskoi SSR, Alma-Ata, [Academy of Sciences of the Kazakh S.S.R. Institute of Metallurgy, Transactions]
Steklo i keramika (16c)	Steklo i keramika [Glass and Ceramics]	Trudy Irk. un. (1a)	Irkutsk, Universitet, Trudy [University, Transactions]
Stroitel'stvo i arkhitektura (10b)	Stroitel'stvo i arkhitektura [Construction and Architecture]	Trudy Kal. tekhn. inst. ryb. prom. i khoz. (15b)	Kaliningrad, Kaliningradskii tekhnicheskii i rybnol. promyshlennost' i khozyaystva, [Technical Institute of Fisheries, Transactions]
Stroitel'stvo i arkhitektura Len. (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]	Trudy KazNI GMI (13f)	Alma-Ata, Kazakhskii nauchno-issledovatel'skii meteorologicheskii institut, Trudy [Kazakh Research Hydrometeorological Institute, Transactions]
Stroitel'stvo i arkhitektura Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]	Trudy LIVT (17b)	Leningrad, Institut vodnogo transporta, [Institute of Water Transportation, Transactions]
Stroitel'stvo i arkhitektura Uzb. (10b)	Stroitel'stvo i arkhitektura Uzbekistana [Construction and Architecture of Uzbekistan]	Trudy LPI (16a)	Leningrad, Politehnicheskii institut, Trudy [Polytechnical Institute, Transactions]
Stroitel'stvo i dor. mash. (16g)	Stroitel'stvo i dorozhnye mashiny [Construction and Road Machinery]	Trudy LPMI (14b)	Leningrad, Pediatricheskii meditsinskii institut, [Pediatric Medical Institute, Transactions]
Subtrop. kul't. (15d)	Subtropicheskie kul'tury [Subtropical Crops]	Trudy Lab. inzh. gidrogeol. VODGEO (18d)	Moscow, Vsesoyuznyi nauchno-issledovatel'skii institut vodopribzheniya, kanalizatsii, gidroelektricheskoi sooruzhenii i inzhenernoi gidrogeologii, [All-Union Scientific Research Institute of Water Supply, Sewerage, Engineering Structures, and Engineering Hydrogeology, Transactions]
Sudostroenie (17b)	Sudostroenie [Shipbuilding]	Trudy MATI (18b)	Moscow, Aviatsonnyi tekhnologicheskii institut, [Aeronautical Technological Institute of Aeronautics, Transactions]
Svetotekhnika (16a)	Svetotekhnika [Illuminating Engineering]	Trudy MGIAI (14a)	Moscow, Gosudarstvennyi istoriko-arkhivnyi institut, Trudy [State Institute of History and Archives, Transactions]
Teatr (9c)	Teatr [The Theater]	Trudy MIIT (18g)	Moscow, Moskovskii institut inzhenerov i tekhn. [Moscow Institute of Engineers and Technicians, Transactions]
Tekstil'naya prom. (16f)	Tekstil'naya promyshlennost' [Textile Industry]	Trudy MKHTI (16c)	Moscow, Khimiko-tekhnologicheskii institut, Trudy [Institute of Chemical Technology, Transactions]
Teor. elektro-tekhn. (16e)	Teoreticheskaya elektrotekhnika [Theoretical Electrical Engineering]	Trudy MMBI (13d)	Akademii nauk SSSR, Murmanskii morskoi biologicheskii institut, Trudy [Academy of Sciences of the U.S.S.R. Murmansk Marine Biology Institute, Transactions]
Teor. i prakt. fiz. kul't. (8b)	Teoriya i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]	Trudy Mor. gidrofiz. inst. AN URSS (12b)	Akademii nauk URSS, Kiev, Morskoy gidrofiz. inst., [Academy of Sciences of the U.S.S.R. Marine Hydrophysical Institute, Transactions]
Teplotekhnika (16g)	Teplotekhnika [Heat Engineering]	Trudy Mosh. nauch.-issl. inst. virus. prep. (13c)	Moscow, Nauchno-issledovatel'skii institut virusnykh preparatov, Trudy [Scientific Research Institute of Virus Preparations, Transactions]
Toks. nov. prom. khim. veshch. (14a)	Toxikologiya novykh promyshlennykh khimicheskikh veshchestv [Toxicology of New Industrial Chemical Substances]	Trudy NIIZHR (18d)	Akademii stroitel'stva i arkhitektury SSSR, Institut zhelezobetona, Perovo, Trudy [Academy of Construction and Architecture of the U.S.S.R. Institute of Reinforced Concrete, Transactions]
Torg. za rub. (5a)	Torgovlya za rubezhom [Trade Abroad]	Trudy Novo-kuz. GIDUva (14a)	Novokuznetsk, Gosudarstvennyi institut dlya uchebnogo i nauch. podgotovki vrachei, Trudy [State Institute for Postgraduate Training of Physicians, Transactions]
Trakt. i sel'khoz. mash. (16g)	Traktory i sel'khoz. mashiny [Tractors and Agricultural Machinery]		
Transp. i khran. nefti i nefteprod. (16h)	Transport i khraneniye nefti i nefteproduktov [Transportation and Storage of Petroleum and Petroleum Products]		
Transp. stroit. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]		
Traumatologiya (14h)	Traumatologiya [Traumatology]		
Trudy AANII (12b)	Leningrad, Arkhticheskii i antarkhticheskii nauchno-issledovatel'skii institut, Trudy [Arctic and Antarctic Scientific Research Institute, Transactions]		
Trudy Ekon. fak. Kir. gos. un. (5b)	Frunze, Universitet, Ekonomicheskii fakul'tet, Trudy [University, Faculty of Economics, Transactions]		
Trudy GGO (13f)	Leningrad, Glavnaya geofizicheskaya observatoriya, Trudy [Main Geophysical Observatory, Transactions]		
Trudy GISI (18d)	Gorkiy, Inzhenerno-stroitel'nyi institut, Trudy [Civil Engineering Institute, Transactions]		
Trudy GPI (16a)	Gorkiy, Politehnicheskii institut, Trudy [Polytechnical Institute, Transactions]		
Trudy GRUZ-NIIMESKHA (15a)	Tiflis, Gruzinskii nauchno-issledovatel'skii institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva, Trudy [Georgian Scientific Research Institute for the Mechanization and Electrification of Agriculture, Transactions]		

Trudy ODRL (11b)	Akademii nauk SSSR, Institut russkoi literatury. Otdel drevnerusskoi literatury. Trudy [Academy of Sciences of the U.S.S.R. Institute of Russian Literature. Section of Ancient Russian Literature. Transactions]	Uch. zap. Kal. gos. ped. inst. (1a)	Kalinin, Pedagogicheskii institut. Uchenye zapiski [Pedagogical Institute. Studies]
Trudy Okean. kom. (12b)	Akademii nauk SSSR, Okeanograficheskaya komissiya. Trudy [Academy of Sciences of the U.S.S.R. Oceanographic Commission. Transactions]	Uch. zap. LGU (1a)	Leningrad, Universitet, Uchenye zapiski [University Studies]
Trudy PINRO (15b)	Murmansk, Polarnyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografii. Trudy [Arctic Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]	Uch. zap. MGPI (1a)	Moscow, Moskovskii gosudarstvennyi pedagogicheskii institut, Uchenye zapiski [Moscow State Pedagogical Institute Studies]
Trudy 1-go MMI (14a)	Moscow, Periy meditsinskii institut, Trudy [First Medical Institute. Transactions]	Uch. zap. Mord. gos. un. (1a)	Saransk, Mordovskii gosudarstvennyi universitet, Uchenye zapiski [Mordvin State University Studies]
Trudy Soizuz-MorNIIPRO-oki (17b)	Moscow, Gosudarstvennyi proektiro-konstruktorskii nauchno-issledovatel'skii institut morskogo transporta. Trudy [State Design and Scientific Research Institute of Marine Transportation. Transactions]	Uch. zap. Pod. inst. Gerts. (1a)	Leningrad, Gosudarstvennyi pedagogicheskii institut im. A. I. Gertsena, Uchenye zapiski [A. I. Herzen State Pedagogical Institute. Studies]
Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. (13f)	Sredneaziatskii nauchno-issledovatel'skii gidrometeorologicheskii institut, Trudy [Central Asia Hydrometeorological Research Institute. Transactions]	Uch. zap. Tium. gos. ped. inst. Kal. zool. (13c)	Tyumen' Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]
Trudy TGU (1a)	Tomsk Universitet, Trudy [University. Transactions]	Uch. zap. Tuv. nauch.-issl. inst. iaz. lit. i ist. (1a)	Kyzyl, Tuvinskii nauchno-issledovatel'skii institut iazyk literatury i istorii. Uchenye zapiski [Tuva Scientific Research Institute of Language, Literature, and History Studies]
Trudy TSIP (13f)	Moscow, Tsentral'nyi institut prognozov. Trudy [Central Weather Institute. Transactions]	Uch. zap. Volg. gos. ped. inst. (1a)	Volgograd, Gosudarstvennyi pedagogicheskii institut, Uchenye zapiski [State Pedagogical Institute. Studies]
Trudy TSNII MPS (16g)	Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut zhelezнодорожного транспорта, Trudy [All-Union Scientific Research Institute of Railroad Transportation. Transactions]	Ugol' (16h)	Ugol' [Coal]
Trudy TashGU (1a)	Tashkent Universitet, Trudy [University. Transactions]	Ukr. biokhim. zhur. (13c)	Ukrains'kyi biokhimichnyi zhurnal [Ukrainian Biochemistry Journal]
Trudy TSentr.-chern. gos. zap. (13c)	TSentral'no-chernozemyi gosudarstvennyi zapovednik, Trudy [Central Black Earth Preserve. Transactions]	Ukr. bot. zhur. (13c)	Ukrains'kyi botanichnyi zhurnal [Ukrainian Botanical Journal]
Trudy UkrNIGMI (13f)	Kiev, Ukrainskii nauchno-issledovatel'skii gidrometeorologicheskii institut, Trudy [Ukrainian Scientific Research Hydrometeorological Institute. Transactions]	Ukr. fiz. zhur. (13f)	Ukrains'kyi fizichnyi zhurnal [Ukrainian Physics Journal]
Trudy Un. družb. nar. Sel'khoz nauki (15a)	Moscow, Universitet družby narodov, Trudy, Sel'skokhoziaistvennye nauki [University of the Friendship of Peoples. Transactions. Agricultural Sciences]	Ukr. ist. zhur. (4a)	Ukrains'kyi istorichnyi zhurnal [Ukrainian Historical Journal]
Trudy VGI (13f)	Nal'chik, Vysokogornyi geofizicheskii institut, Trudy [Alpine Geophysical Institute. Transactions]	Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Trudy VGU (1a)	Voronezh, Universitet, Trudy [University. Transactions]	Ukr. mat. zhur. (13a)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]
Trudy VNIID (10c)	Leningrad, Vsesoiuznyi nauchno-issledovatel'skii institut tsellulozno-bumazhnoi promyshlennosti, Trudy [All-Union Scientific Research Institute for the Wood and Paper Industries. Transactions]	Usp. fiz. nauk (13f)	Uspekhi fizicheskikh nauk [Progress in the Physical Sciences]
Trudy VNIIE (16e)	Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut elektroenergetiki, Trudy [All-Union Scientific Research Institute of Electric Power Engineering. Transactions]	Usp. khim. (13d)	Uspekhi khimii [Progress in Chemistry]
Trudy VNIIRT (10e)	Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut magnitnoi zapisi i tekhnologii radioveshchaniia i televideniia, Trudy [All-Union Scientific Research Institute of Magnetic Recording and Radiobroadcasting and Television Engineering. Transactions]	Usp. sovr. biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Trudy VNIISNDV (16c)	Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut sinteticheskikh i natural'nykh dushistykh veshchestv, Trudy [All-Union Scientific Research Institute of Synthetic and Natural Perfumes. Transactions]	Uzb. geol. zhur. (12c)	Uzbekskii geologicheskii zhurnal [Uzbek Geological Journal]
Trudy VSEGEI (12c)	Leningrad, Vsesoiuznyi geologicheskii institut, Trudy [All-Union Geological Institute. Transactions]	V mire knig (2a)	V mire knig [In the World of Books]
Trudy Vych. tsentra AN Gruz. SSR (13a)	Akademii nauk Gruzinskoi SSR, Tiflis, Vychislitel'nyi tsentr, Trudy [Academy of Sciences of the Georgian S.S.R. Computation Center. Transactions]	Vech. sred. shkola (8a)	vecherniia sredniaia shkola [Evening Secondary School]
Trudy ZakNIGMI (13f)	Tiflis, Zakavkazskii nauchno-issledovatel'skii gidrometeorologicheskii institut, Trudy [Transcaucasian Scientific Research Hydrometeorological Institute. Transactions]	Ved. Verkh. Sov. RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy Zool. inst. (13c)	Akademii nauk SSSR, Zoologicheskii institut, Trudy [Academy of Sciences of the U. S. S. R. Zoological Institute. Transactions]	Ved. Verkh. Sov. SSSR (7)	Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
TSement (16d)	TSement [Cement]	Vest. AMN SSSR (14a)	Akademii meditsinskikh nauk SSSR, Moscow, Vestnik [Academy of Medical Sciences of the U. S. S. R. Journal]
TSitologiya (13a)	TSitologiya [Cytology]	Vest. AN Kazakh. SSR (1a)	Akademii nauk Kazakhskoi SSR, Alma-Ata, Vestnik [Academy of Sciences of the Kazakh S. S. R. Journal]
Uch. zap. CHNIIALIE (4a)	Chelobkary, Chuvashskii nauchno-issledovatel'skii institut iazyka, literatury, istorii i ekonomiki, Uchenye zapiski [Chuvash Scientific Research Institute of Language, Literature, History, and Economics. Studies]	Vest. AN SSSR (1a)	Akademii nauk SSSR, Vestnik [Academy of Sciences of the U. S. S. R. Journal]
Uch. zap. GGPI (1a)	Gorkiy, Gosudarstvennyi pedagogicheskii institut, Uchenye zapiski [State Pedagogical Institute. Studies]	Vest. dermat. ven. (14i)	Vestnik dermatologii i venerologii [Review of Dermatology and Venereology]
Uch. zap. Kaf. sov. ekon. vss. part. shkoly (5b)	Kommunisticheskaya partiia Sovetskogo Soiuza, Vysshaya partiinaya shkola, Kafedra sovetiskoi ekonomiki, Uchenye zapiski [Communist Party of the Soviet Union, Higher Party School, Department of Soviet Economics. Studies]	Vest. mashinost. (16g)	Vestnik mashinostroiia [Machinery Manufacture Review]
		Vest. Mosk. un. Ser. 2: Khim. (13d)	Moscow, Universitet, Vestnik, Seriya 2: Khimiia [University. Review. Series 2: Chemistry]
		Vest. Mosk. un. Ser. 5: Geog. (12b)	Moscow, Universitet, Vestnik, Seriya 5: Geografiia [University. Review. Series 5: Geography]
		Vest. Mosk. un. Ser. 6: Biol., pochv. (13c)	Moscow, Universitet, Vestnik, Seriya 6: Biologiya, pochvovedeniie [University. Review. Series 6: Biology, Soil Science]
		Vest. Mosk. un. Ser. 8: Filoz. (3a)	Moscow, Universitet, Vestnik, Seriya 8: Filosofiya [University. Review. Series 8: Philosophy]
		Vest. obshchestv. nauk AN Arm. SSR (1a)	Akademii nauk Armianskoi SSR, Erivan, Vestnik obshchestvennykh nauk [Academy of Sciences of the Armenian S. S. R. Review of Social Sciences]

Vest. rent. i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]	Vop. onk. (14e)	Voprosy onkologii [Problems of Oncology]
Vest. stat. (5b)	Vestnik statistiki [Statistical Review]	Vop. psikh. (3a)	Voprosy psikhologii [Problems of Psychology]
Vest. svyazi (16o)	Vestnik svyazi [Communications Review]	Vop. radiobiol. (14a)	Voprosy radiobiologii [Problems of Radiobiology]
Vest. vys. shkoly (8a)	Vestnik vysshei shkoly [Review of Schools for Higher Education]	Vop. virus. (13c)	Voprosy virusologii [Problems of Virology]
Veterinaria (15b)	Veterinaria [Veterinary Medicine]	Vych. ml. [Kiev] (13e)	Vychislitel'naya matematika [Computer Mathematics]
Vod. i san. tekhn. (16d)	Vodosnabzhenie i sanitarnaya tekhnika [Water Supply and Sanitary Engineering]	Vys. khim. soed. (13d)	Vysokomolekulyarnye soedineniya [Macromolecular Compounds]
Vod. ,kau , gidr. soor. (16d)	Vodosnabzhenie, kanalizatsiya, gidrotekhnicheskie sooruzheniya [Water Supply, Sewerage, Hydraulic Structures]	Za tekhn. prog. (16a)	Za tekhnicheskii progress [For Technological Progress]
Vod. khoz. (16d)	Vodnye khozaystvo [Water Resources Management]	Zap. LGI (16h)	Leningrad. Gornyi institut. Zapiski [Institute of Mining. Records]
Voenn.-ist. zhur. (4a)	Voennno-istoricheskiy zhurnal [Military History Journal]	Zap. LSKH (16a)	Pushkin. Leningradskii sel'skokhozyaistvennyi institut. Zapiski [Leningrad Agricultural Institute. Annals]
Vop. antropol. (12a)	Voprosy antropologii [Problems of Anthropology]	Zashch. rast. (15d)	Zashchita rastenii [Protection of Plants]
Vop. ekon. (5h)	Voprosy ekonomiki [Problems of Economics]	Zemledelie (15d)	Zemledelie [Agriculture]
Vop. filos. (3a)	Voprosy filosofii [Problems of Philosophy]	Zhel. dor. transp. (16g)	Zheleznodorozhnyi transport [Railroad Transportation]
Vop. geogr. Kamch. (12b)	Voprosy geografii Kamchatki [Problems of the Geography of Kamchatka]	Zhitel'stvo (16d)	Zhizishchnoe stroitel'stvo [Housing Construction]
Vop. lingv. (11a)	Voprosy lingvistik [Problems of Linguistics]	Zhur. anal. khim. (13d)	Zhurnal analiticheskoi khimii [Journal of Analytical Chemistry]
Vop. ist. (4a)	Voprosy istorii [Problems of History]	Zhur. eksp. i teor. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki [Journal of Experimental and Theoretical Physics]
Vop. ist. KPSS (6)	Voprosy istorii KPSS [Problems in the History of the CPSU]	Zhur. fiz. khim. (13d)	Zhurnal fizicheskoi khimii [Journal of Physical Chemistry]
Vop. ist. slav. (4a)	Voprosy istorii slavian [Problems in the History of the Slavs]	Zhur. mikrobiol., epid. i immun. (14a)	Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immunobiology]
Vop. ist. Urala (4a)	Voprosy istorii Urala [Problems in the History of the Urals]	Zhur. nauch. i prikl. fot. i kin. (16c)	Zhurnal nauchnoi i prikladnoi fotografii i kinematografii [Journal of Scientific and Applied Photography and Cinematography]
Vop. izob. (16a)	Voprosy izobretel'stva [Problems of Invention]	Zhur. neorg. khim. (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
Vop. kul't. i rech. (11a)	Voprosy kul'tury rechi [Problems in Speech Culture]	Zhur. nerv. i psikh. (14c)	Zhurnal nevrologii i psikhiiatrii [Journal of Neuropathology and Psychiatry]
Vop. mat. ekspl. vych. mash. (13c)	Akademii nauk SSSR. Komissiya po ekspluatatsii vychislitel'nykh mashin. Voprosy matematicheskoi ekspluatatsii vychislitel'nykh mashin [Academy of Sciences of the U.S.S.R. Committee on the Use of Computers. Problems of the Mathematical Use of Computers]	Zhur. org. khim. (13d)	Zhurnal organicheskoi khimii [Journal of Organic Chemistry]
Vop. med. khim. (14f)	Voprosy meditsinskoi khimii [Problems of Medical Chemistry]	Zhur. V KHO (13d)	Vsesoyuznoe khimicheskoe obshchestvo imeni D. I. Mendeleeva. Zhurnal [D. I. Mendeleev All-Union Chemical Society Journal]
Vop. nauch. ateiz. (3b)	Voprosy nauchnogo ateizma [Problems of Scientific Atheism]	Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatelnosti [Journal on Higher Nervous Activity]
		Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]

# SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

## ACTH

- Changes in some peripheral blood indices under the influence of ACTH in healthy persons and children with pneumonia S. A. Dzhalalova. *Azeib med zhur* 10 no 4 38-44 Ap '63
- Effect of adrenocorticotrophic hormone on the development of the Atthus phenomenon and on the morphological composition of the exudate in inflammation. B. M. Mynbayeva. *Bul eksp biol i med* 53 no 5 51-53 Nov '63
- Effect of the somatotrophic hormone and ACTH on the regenerative process in an experimental wound. A. A. Volkovich. *Bul eksp biol i med* 55 no 6 92-97 Jan '63
- Use of ACTH in treating exudative pleurisy. M. P. Fendley. *Azeib med zhur* no 6 11-11 Ag '62

## ACTH—PHYSIOLOGICAL EFFECT

- Effect of ACTH on the content of glycogen in tissues of rats with acute hypoxia. B. M. Gevorgian. *Vop. med. i him* 12 no 6 603-603 N-D '66.

## ACTH—THERAPEUTIC USE

- Preventive and therapeutic effect of ACTH and cortisone in intoxication with mercury preparations. A. V. Kuznetsov, M. I. Remizova. *Tруды ЛПИ* no. 32 62-66 '65

## ABDOMEN

- Electrocalactivity of the muscles of the anterior abdominal wall in A. V. Vishnevskii's lumbar novocaine block. A. V. Lyshits. *Izvestiya khim i med* 8 no 6 57-59 N-D '63
- Milestones in the evolution and homology of lymph nodes in the human abdominal cavity. M. S. Spivak. *Arkhi anat., gist i embi* 41 no 3 91-102 Mar '63

## ABDOMEN—CANCER

- Metastasis of malignant tumors into the spleen. Vop. onk. 9 no 3 58-61 '63.
- Methodology for postmortem cytologic examination of washings of the thoracic duct in malignant abdominal tumors. V. A. Babanova. *Izvestiya khim i med* 8 no 6 17-19 N-D '63

## ABDOMEN—DISEASES

- Acute surgical diseases of the organs of the abdominal cavity in elderly persons. L. I. Skafin. *Sov med* 26 no 3 28-32 Mar '63

## ABDOMEN—FOREIGN BODIES

- Unusual foreign body in the abdominal cavity. E. D. Pastykovskaya. L. S. Panarina. *Tруды Novokuz GIDUVA* 32:105-106 '65

## ABDOMEN—RADIOGRAPHY

- Method of inducing artificial pneumoperitoneum in X-ray diagnosis of tumorlike neoplasms in the abdominal cavity. A. A. Akperbekov. *Azeib med zhur* no 3 48-53 Mar '62.
- Unusual foreign body in the abdominal cavity. E. D. Pastykovskaya. L. S. Panarina. *Tруды Novokuz GIDUVA* 32:105-106 '65

## ABDOMEN—SURGERY

- Acute surgical diseases of the organs of the abdominal cavity in elderly persons. L. I. Skafin. *Sov med* 26 no 3 28-32 Mar '63

## ABDOMEN—TUMORS

- Method of inducing artificial pneumoperitoneum in X-ray diagnosis of tumorlike neoplasms in the abdominal cavity. A. A. Akperbekov. *Azeib med zhur* no 3 48-53 Mar '62.

## ABKHAZIA—COMMUNIST PARTY OF THE SOVIET UNION

- Gogokhila, D. V. [Abkhazian organization of the Communist Party of Georgia during the building of communist society, 1959-1965] *Abkhazskaya organizatsiya Kommunisticheskoi partii Gruzii v period stroitel'stva kommunisticheskogo obshchestva (1959-1965 gg.)*. Sukhumi, Abkhazia, 1966, 119 p.

## ABKHAZIA—ECONOMIC CONDITIONS

- Gogokhila, D. V. [Abkhazian organization of the Communist Party of Georgia during the building of communist society, 1959-1965] *Abkhazskaya organizatsiya Kommunisticheskoi partii Gruzii v period stroitel'stva kommunisticheskogo obshchestva (1959-1965 gg.)*. Sukhumi, Abkhazia, 1966, 119 p.

## ABKHAZIA—RADISHES—VARIETIES

- Selection of productive winter radish and common radish varieties for the fall and winter season in Abkhazia. G. A. Khvatyshi. *Sbornik nauch. i med. nauch. soob. VSR* no. 2 20-21B '61

## ABKHAZIAN ART see Art, Abkhazian

## ABLATION (AEROTHERMODYNAMICS) see subdivision under Sokh Valley

## ABORTION—COMPLICATIONS AND SEQUELAE

- Granat, N. E. [After effects of abortion] *Posledstviya aborta*. Moscow, Meditsina, 1966, 31 p. (Nauchno-populnaya meditsinskaya literatura) (DNLMI)

## ABORTION IN ANIMALS

- (see also subdivision under Tashkent Province)
- Large-scale abortions in pregnant sheep after their vaccination with strain No. 19. I. A. Kostlov. *Sbornik nauch. soob. SibNII* no 11 73-81 '62

## ABRAMOV, KUZ'MA GRIGOR'EVICH

- Chronicler of the national folk. R. Nedoshekin. *V mire knig* 6 no. 11 26-27 N '66.

## ABRASIVES

- Effect of some formula and technological factors on the abrasion of plastics. I. I. Chibrikova and others. *Plast. massy* no. 9 35-38 '62.

- Introducing new "abrasive number" parameter into characteristics of weighted muds. A. K. Yuskait. M. V. Chervich. T. Kh. Mustafayev. *Azeib med zhur* 45 no 9 46-19 S '66

## ABSCISSA

- Phytohormone abscission. A. A. Shamshtul. *Priroda* 57 no 12 60-61 '66

## ABSOLUTE DIFFERENTIAL CALCULUS see Calculus of tensors

## ABSORPTION

- Absorptive properties of loams in White Russia. K. I. Lukashov, I. A. Dobrovolskaya. *Dokl. AN SSSR* 6 no 8 607-609 Ag '62.
- Oxidation of isotactic polypropylene. Part I: Kinetics of oxygen absorption. V. S. Puklov and others. *Neftokhimiya* 3 no 5 713-719 S-O '63

## ABSORPTION (PHYSIOLOGY)

- Absorption and metabolism of food digestion products by rumen walls. N. V. Kurilov and others. *Sob'khoz. biol.* 1 no. 9 860-869 '66.
- Photosynthetic activity and yield of peas as related to the absorbing capacity of the root. V. G. Blokhin, G. P. Ustenko, I. M. Fetisov. *Agrokhimiya* no. 12 54-57 D '66.
- Study of the so-called absorbing function of the stomach under clinical conditions. I. A. S. Tsimmerman. *Sov. med.* 29 no 12 18-21 D '66.

## ABSORPTION OF LIGHT

- Absorption and dispersion of light in the formation of molecular excitations. A. S. Davydov, T. N. Mifanukov. *Dokl. AN SSSR* 171 no. 5 1060-1071 D '66.

## ABSORPTION OF SOUND

- Sound absorption in NH<sub>4</sub>Cl single crystals during their phase transition. O. A. Smatin, I. A. Yakovlev, T. S. Veitshkina. *Pis'ma v red. Zhur. eksper. i teoret. fiz.* 5 no. 1 6-9 Jan '67.

- Theory of sound absorption in alloys with a hexagonal tightly packed crystal lattice. L. O. Sverhinnenko. *Dop. AN URSSR* no. 11 432-435 '62.

## ABSORPTION SPECTRA

- Absorption spectra and stability of complexes formed in the interaction of thiophene analogs of chalcogens with chloroform and antimony pentachloride. V. M. Lohmanov, O. I. Boborov, V. F. Lavrushev. *Dop. AN URSSR* no 11 151-157 '66
- Effect of thermal inactivation on the differential absorption spectra of purple photosynthesizing bacteria. N. V. Kariyatjan, I. N. Krakhmalova. *Dokl. AN SSSR* 171 no. 5 1201-1201 D '66.
- Fine structure of the infrared absorption spectrum of aluminum. V. A. Tomichov, A. P. Lukatskii. *Izv. vuzov. fizika* 8 no 7 2104-2108 JI '66
- Infrared absorption spectra of di-(2-glycidoxy-1-naphthyl) methyl imides of the bicyclic acids. I. V. Il'yumskoe, K. A. Kornov. *Khim. prom. Ukr.* no. 6 24-27 N-D '66

- Notes on the absorption coefficient and spectrum of non-scattering inhomogeneous media. L. N. Bell. *Biofizika* 8 no 5 620-632 '63

- Role of anion and cation vacancies in formation of aggregation centers in KCl crystals activated by silver and thallium. N. V. Tsai, M. V. Pashkovskii, R. I. Dublyk. *Izv. vuzov. fizika* 8 no 7 2015-2021 JI '66

- Study of chemical structure of the anthracene aldehyde. Report No. 5: Study of absorption spectra in ultraviolet active and inactive aldehyde fractions. G. I. Lavrenova, N. A. Podkulnina. *Vest. Mosk. univ. Ser. 2: Khim.* 17 no 5 87-89 S-O '62.

- Width of spectral line of water vapor absorption at 1.30 92 mm. V. A. Radev, N. L. Pashov. *Izv. vuzov. fizika* 8 no 5 87-89 S-O '62.

## ABSTRACTING AND INDEXING SERVICES

- Vysokomuznyi institut nauchnoi i tekhnicheskoi informatsii. [Classification scheme of abstracts in publications of the U.S.S.R. for 1966] *Rubrikator referativnykh izdaniy SSSR*, 1966 god. Pod red. V. I. Gorkovoi. Moskva, 1966, 466 p. (CAOTU)

## ABYZOV, VLADIMIR

- V. Abyzov's first book "The discrete signal." *A. I. Edinocov. V mire knig* 6 no. 12 25 D '66

## ACADEMY OF SCIENCES OF THE KAZAKH S.S.R.

- Basic trends in the research of the Academy of Sciences of the Kazakh S.S.R. *Vest. AN Kazakh SSR* 22 no. 10 3-8 O '66.

- The most important research work completed by the Academy of Sciences of the Kazakh S.S.R. in the field of the heavy industry of Kazakhstan. K. I. Satpov. *Vest. AN Kazakh SSR* 10 no. 1 3-27 Jan '63

- Resolution of the Academy of Sciences of the U.S.S.R. "On the basic trends in scientific research and the structure and measures of assistance to the Academy of Sciences of the Kazakh S.S.R." passed on July 20, 1966. *Vest. AN Kazakh SSR* 22 no. 10 9-15 O '66.

## ACADEMY OF SCIENCES OF THE TURKMEN S.S.R.

- Annual meeting of the Academy of Sciences of the Turkmen S.S.R. *Izv. AN Turk SSR. Sci. fir. i tekhn. i khim. i geol. nauk* no. 2 124 '61.

## ACADEMY OF SCIENCES OF THE U.S.S.R.

- Appointments and transfers. *Vest. AN SSSR* 38 no. 12 96 D '66.
- Reinforcement of Academy of Sciences of U.S.S.R. *Izv. AN SSSR Ser. geol.* 31 no 12 3-16 D '66.
- V. I. Lenin and the All-Union Academy of Sciences. V. Bonch-Bruyevich. *V mire knig* 6 no. 11 15 N '66.

## ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R.

- Discussion of the reports by Academician B. (M. Palon and Member Correspondent H. S. Pytsarenko. *Dop. AN URSSR* no. 7 973-975 '63.

- Miscellaneous information. *Dop. AN URSSR* no. 11 1513 '66.

## ACANTHOCEPHALA

- Practices in the vermifugal treatment of ducks in groups against Polymorphus infestation. Report No. 1. A. S. Selivanova. *Sbornik nauch. soob. SibNII* no. 11 203-204 '62.









## AERONAUTICS IN SURVEYING

Aerial thermal surveying in geological research and prospects for interpretation of abyssal thermal fields of plateau and oceanic regions. A. P. Svetitskii. *Geol. i geofiz.* no. 126-127 '66.

## AEROSOL THERAPY

Effect of a concentration of aerosols of vaccine strain No. 19 on the development in sheep of unsensitization to brucellosis. A. V. Selivanov. *Sbornik nauch. rab. SibNIPI* no. 117-119 '62.

Problem of the aerosol immunization of swine against hog cholera using powder vaccine of the avirulent dry lapinized virus vaccine strain. A. V. Selivanov, G. A. Gritsenko. *Sbornik nauch. rab. SibNIPI* no. 1135-117 '62.

Studying the morphological changes in sheep during their aerosol immunization against brucellosis. A. V. Selivanov. *Sbornik nauch. rab. SibNIPI* no. 1121-27 '62.

Testing the aerosol method of vaccinating sheep against brucellosis under field conditions. Report No. 1. A. V. Selivanov. *Sbornik nauch. rab. SibNIPI* no. 1124-31 '62.

## AEROSOLS

Study of processes of capture of aerosol in cloud by method of tagged atoms. L. I. Butsuev and others. *Laudy VGI* no. 363-78 '66.

## AEROSOLS—MICROBIOLOGY

Effect of air humidity on the vitality of micro-organisms in aerosols. V. V. Vlodavets. *Mikrobiologiya* 31 no. 2 350-356 Jan-Apr '62.

## AEROSPACE TECHNOLOGY

Kokovin, N. S. [Radiotermometry of atmospheric sounding] *Radiotermometriya zondirovaniya atmosfery* Leningrad, Gidrometeoizdat, 1966. 161 p.

## AESTHETICS

According to the laws of beauty. V. Karlovskaya. *Agitation* 31 no. 1-13-16 Jan '67.

Aesthetic attitude toward work. R. G. Alenikhat, Vozn. Mosk., un. Ser. 8, Filos. 21 no. 5-56-61 S-O '66.

Dubovaya, A. G. [Remarks about the beautiful, the aesthetic ideal, beauty and harmony in works of art] *Zametki o prekrasnom, estestvennom, ideal, krasota i garmoniya v khudozhestvennom proizvedenii*. Moskva, Znaniye, 1967. 30 p. (Novoe v zhizni, nauke, tekhnike, Vseser. literaturno, no. 1)

Mal'gin, V. A. [The sublime in the world of aesthetics] *O vozvyshennom v mire estestva* [Leningrad] Lenzizdat, 1966. 157 p.

Necessary work. M. Baskin. *Tenti* 21 no. 7-123-125 Jan '63.

Objectivity of aesthetic evaluation. Stefan Morawski. *Voprosy* 20 no. 12 89-100 '66.

Special features of the reflection of reality in aesthetic taste. L. B. Smirnov. *Vest. Mosk. un. Ser. 8, Filos.* 31 no. 5 62-71 S-O '66.

V. I. Lenin's aesthetic tastes. M. Parkhomenko. *Mol. komm.* no. 11 51-59 N '61.

## AESTHETICS—STUDY AND TEACHING

(see also subdivision under Kazan)

Art comes to the younger school children. V. Shilov. *Nar. obr.* no. 12 66-67 D '66.

V. I. Lenin and the problems of aesthetic education. G. Seleznev. *Izudy GSI* no. 16-128-144 '63.

## AFFORESTATION see subdivision under Russia, Southern; Ukraine

## AFGHAN WARS

Military action of the Afghan armies during the War of Independence in 1918. A. Iaguzov. *Izv. VN Tur. SSR. Ser. obshchestv. nauk* no. 418-23 '66.

## AFGHANISTAN—GEOLOGY, STRUCTURAL

Mechanism of formation of structure of sedimentary mantle and nature of recent tectonic deformations of Afghan-Pak depression in light of some geological and geophysical data. I. U. G. Leonov. *Iz. l. MOIR Oid. geol.* 41 no. 1-70-10 Jan-Apr '66.

## AFRICA—BIBLIOGRAPHY

[New Soviet and foreign literature on the countries of Asia and Africa] *Nov. sov. i inostr. lit. po stran. Az. i Afr.* no. 12 '66.

## AFRICA—ECONOMIC ASSISTANCE, RUSSIAN

Faithful friend of the African peoples. P. Seifull'ullin. *Agitation* no. 2 16-47 Jan '62.

## AFRICA—ECONOMIC CONDITIONS

Akademii nauk SSSR. Institut Afriki. [Economic history of Africa] *Ekonomicheskaya istoriya Afriki, sbornik statei*. Moskva, Nauka, 1966. 192 p.

## AFRICA—GOVERNMENT OWNERSHIP

Shpil', A. I. U. [Expansion of foreign state monopoly capital in Africa] *Ekspansiya inostrannogo gosudarstvenno-monopolisticheskogo kapitala v Afrike*. Moskva, Nauka, 1966. 192 p.

## AFRICA—HISTORY—SOURCES

Valuable sources for the history of Africa. I. U. M. Kuchuk. *Ph. i. i. zhurn.* 10 no. 1130-110 N '66.

## AFRICA—INVESTMENTS, FOREIGN

Shpil', A. I. U. [Expansion of foreign state monopoly capital in Africa] *Ekspansiya inostrannogo gosudarstvenno-monopolisticheskogo kapitala v Afrike*. Moskva, Nauka, 1966. 192 p.

## AFRICA—LABOR AND LABORING CLASSES

Akademii nauk SSSR. Institut Afriki. [The laboring class of Africa] *Rabochii klass Afriki*. Moskva, Nauka, 1966. 275 p.

## AFRICA—MAPS

Recent cartographic materials on Asian and African countries. T. N. Y. P. O. I. A. Mat. Oid. nauch. geogr. i kart. Geogr. obzr. SSSR no. 4 68-101 '62.

## AFRICA—MONETARY UNIONS

Monetary unions of African countries in the system of the franc area. R. Logovinskaya. *Den. i kred.* 21 no. 12 76-85 D '66.

## AFRICA—POLITICS

Africa continues its struggle. O. Kizhina. *Mol. obratn.* no. 110-110 Apr '61.

The African revolution: its achievements and problems. K. Bututs. *Mirovaia zhizn'* 11 no. 128-39 '67.

Characteristics of the present-day national liberation movement in Asia and Africa. M. Kh. Muratov. *Trudy* 191 no. 261101-111 '66.

One-party system in Africa. P. T. G. I. A. M. *Mirovaia zhizn'* 11 no. 1257-126 '67.

## AFRICA—SOCIAL CLASSES

Darb, Raymond. [Social classes in Black Africa, Translated from the French] *Obshchestvennye klassy v Chernoi Afrike*. Pod red. I. A. Dadasheva. Moskva, Progress, 1966. 215 p. (CSI-II)

## AFRICA, WEST—PLYWOOD INDUSTRY

Plywood industry of Africa. K. T. Tschukov. *Den. i kred.* 15 no. 12 26-27 D '66.

## AFRICAN LANGUAGES

Ideophones as part of speech in African languages. B. V. Zhurkovskii. *Nar. Az. i Afr.* no. 6111-115 '66.

Moskovskii gosudarstvennyi nauch. tsentr. Institut vostochnykh iazykov. [Languages of Africa: problems of structure, history, and typology] *Izvyki Afriki, voprosy struktury, istorii i tipologii*. Moskva, Nauka, 1966. 206 p.

## AGAR

Composition and biological properties of agar-agar preparations. M. A. Mironov, V. A. Lebedev. *Veterinarnia* 43 no. 1210-50 D '66.

## AGE

Comparison of the radiosensitivity of mice of A and C3H (Hank) lines in various age periods. S. N. Aleksandrov, N. A. Pronina. *Vop. i issled.* 125-31 '61.

## AGE (PSYCHOLOGY)

The sailor's age. A. G. Danilov. *Mor. sbor.* 19 no. 10 10-17 O '66.

## AGGREGATES see Set theory

## AGGREGATES (BUILDING MATERIALS)

Base for complex processing of gravel-sandy materials. P. I. Ivanov, N. A. Ialovets. *Avi. i kor.* 29 no. 12-16 D '66.

Effect of aggregates on properties of concrete. V. N. Puzanov. *Stroitel'stvo* 4 no. 4 12-14 Apr '65.

Establishing the requirements for the granular composition of the different fractions of concrete fillers during their grading. G. I. Gershtenfeld. *Stroitel'stvo* 33 no. 813-16 Aug '63.

Obtaining lightweight aggregates from Shakhmaty (topols) and using them in the manufacture of concrete. B. S. Zaidenberg, E. S. Kozlovich. *Sbornik nauch. rab. ROSSNIMS* no. 2181-88 '62.

## AGING

Age-related changes in the lichen content in tissues and DNA preparations of white rats. B. I. Gol'dshchik, S. G. Rud', L. L. Polinkova. *Vop. med. khim.* 12 no. 6 626-621 N-D '66.

Analysis of the characteristics of the electrical activity of the cerebral cortex after section of the brain stem (by the Bremer technique) in dogs at different age periods. I. I. Gol'dshchik, I. A. Kozlenko. *Bull. eksp. biol. i med.* 55 no. 614-19 Jan '63.

Dependence of the reaction of the developing organism to an increase in adrenocortical hormones. I. V. Mironov. *Probl. endok. i gorm.* 9 no. 1-3-7 Jan-Feb '63.

Fragmentation of liver DNA as related to animal age. V. V. Iosadina, B. I. Gol'dshchik, S. H. Rud', U. I. blokhin. *zhur.* 38 no. 6 580-584 '65.

Some data on the incidence of fractures of the femoral neck and their age-related frequency. E. P. Podolskii. *Tr. anatomich. no. 1100-192 '65.*

## AGRANULOCYTOSIS

Acute idiopathic agranulocytosis with the presence of atypical antineutrophil autoantibodies developing after treatment with therapy. V. D. Lyagin, R. K. Kuznetsov. *Probl. geriat. i geront.* 4 no. 1 52-53 Jan '63.

## AGRICULTURAL CHEMICALS

[What we have gained from chemistry] *Chto nam dala khimiya*. Moskva, Sovetskaya Rossiya, 1965. 137 p. (Tuzhenikam sela—ob intensivnoi sisteme zemledel'ia) (DNAI)

## AGRICULTURAL CHEMICALS—TOXICOLOGY

Kagan, I. U. S., F. N. Burdakov, and I. I. Spynin. [Prevention of poisoning with toxic chemicals; abstracts of lectures] *Profilaktika otravlenii i doklady nauch. konf.* Moskva, In-1 sanitarnogo prosvetsheniya, 1965. 67 p. [DNAI MICROFILM]

## AGRICULTURAL CONTRACTS see Contracts, Agricultural

## AGRICULTURAL CREDIT

(see also subdivision under Belgorod Province; Kazakhstan, Stavropol Territory, Ukraine)

Issuing credit to state farms. Z. Ojdnova. *Den. i kred.* 21 no. 12 51-56 D '66.

## AGRICULTURAL GEOGRAPHY

(see also subdivision under Zhitomir Province)

Use of land in preparing in solving certain problems of agricultural geography. A. V. Gorokhova, M. R. Komarovskii, A. I. Shvachkin. *Dokl. i teoz. geogr. Sib. D. I. Vost.* no. 10-12-78 '65.

## AGRICULTURAL INSURANCE see Insurance, Agricultural

## AGRICULTURAL LABORATORIES

Work results of central agricultural laboratories and centers in 1967. V. M. Yurishin, I. P. Fedotkin. *Khim. v sel. khoz.* 1 no. 1 56-58 D '66.

## AGRICULTURAL LAWS AND LEGISLATION

Centralized guidance and independence of management. A. Denisov. *Ekonomichesk.* 12 no. 1110-122 N '66.

[Consultations on the new legislation] *Konsultatsii po novomu zakonodatel'stvu*. [Moscow] Profizdat, 1966. 78 p. (Biblioteka sel'skogo profsoznogo aktivista, no. 23(71))

Problems of the codification of agricultural law. P. D. Indukhin. *Pravovaya* 12 no. 1 56-61 '66.

Use of land should be regulated by law. L. G. Semina. *Ekonomichesk.* 12 no. 12 89-93 D '66.

What is new in legislation. I. O. Buzinova. *Ekonomichesk.* 12 no. 12 113-115 D '66.

## AGRICULTURAL MACHINERY

(see also subdivision under Kazakhstan)

Cultivator and plant feeder for row crops. Inform. bul. VDNKh no. 8-23 Ag '62.

Elements of the theory of optimal parameters for mobile agricultural machinery units. H. K. Kizhina. *Trakt. i sel'kh. mash.* no. 12 19-22 D '66.

Optimal position of the working parts of tractor-mounted agricultural machinery. P. I. Dotsenko. *Nauch. trudy UZNIIM* no. 5 12-19 '59.

## AGRICULTURAL MACHINERY—CLEANING

Connections and nozzles from pipes. P. I. Sitenkov. *Trakt. i sel'kh. mash.* no. 12 38 D '66.

## AGRICULTURAL MACHINERY—ECONOMIC ASPECTS

Method for determining the technical and economic efficiency of new agricultural machinery, report at the meeting of the Scientific Council. A. P. Koltushkin. *Sbornik nauch. inform. Nauch. nov. po eff. i nov. fond. kap. v stroit. i nov. tekhn.* AN SSSR no. 2 32-61 '62.

## AGRICULTURAL MACHINERY—EXHIBITIONS

Agricultural machinery at the 8th International Fair in Brno. A. N. Kolda. *Trakt. i sel'kh. mash.* no. 12 11-47 D '66.

Machines displayed at the international exhibition. S. Sheruda. *Zashch. rast.* 11 no. 12 29-31 '66.

## AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

G

Radovannia na remontnykh predpriyatiakh sel'skogo khoz. i stroy. Moskva, Buro kabin. informatsii GOSNITI, 1963. 391 p. [DNAI MICROFILM]

Petrov, S. A. [Repair of agricultural machinery] *Remont sel'skokhoz. i stroy. mashin*. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 168 p. (Uchebnye i uchebnye posobia dlia podgotovki sel'skokhoz. i stroy. kadrov massovoi kvalifikatsii) (DNAI)

## AGRICULTURAL MACHINERY—MATHEMATICAL MODELS

Technical models of agricultural units and their controlling systems. V. G. Fashchuk. Zashch. i tekhn. 4-101 '65

## AGRICULTURAL MACHINERY—TESTING

Empirical establishment of the reliability of machine units in the field. I. I. Litvin. V. A. Lomonosov. P. P. Lomonosov. D. I. Litvin. Zashch. i tekhn. 4-101 '65

## AGRICULTURAL MACHINERY—TRANSMISSION DEVICES

Test rig and transmission devices with the use of a hydraulic motor. I. I. Litvin. V. A. Lomonosov. P. P. Lomonosov. D. I. Litvin. Zashch. i tekhn. 4-101 '65

## AGRICULTURAL MACHINERY—INDUSTRY

(See also subdivision under Tills)

Use of the results of production researches. L. O. Fashchuk. Zashch. i tekhn. 4-101 '65

## AGRICULTURAL METEOROLOGY

(See Meteorology, Agricultural)

## AGRICULTURAL MICROBIOLOGY

Problems of soil microbiology concerning the increase in agricultural production. F. V. Mishustin. Mikrobiologiya 31 no 2 362-370 Mr-Apr '62

## AGRICULTURAL PESTS

Ants and psyllids as pests of farm supplies. A. Zagor. Zashch. i tekhn. 4-101 '65

## AGRICULTURAL POLICY

Emel'nov, P. E. [This is dictated by life] Eto proizvodstvo zhizni. Moscow, Sovetskaya Rossiya, 1965, 133 p. (InU)

External direct ties of collective and state farms with industrial enterprises. F. Zemlinskii, S. Nikitin. Ekon. sel'khoz. 42 no 11 22-28 N '66

To ward an abundance of agricultural products. M. A. Oshchinskii. Mol. komm. 4 33-43 Ap '61

## AGRICULTURAL RESEARCH

(See also subdivision under Germany, East; Ukraine, Zhitomir Province)

Researches in the service of agriculture. V. G. Kornevichuk. Izv. Vsesoyuz. Ser. biol. no 3 492-494 Mr-Je '63

Science and industry. Kommunist 43 no 2 127-128 F '67

## AGRICULTURAL WAGES

(See also subdivision under Kirghizistan; Moscow Province)

Khudenev, A. I. [Organization of labor, establishment of work norms, and wages in vegetable growing] Organizatsiya, normirovaniye i oplata truda v ovoshevedenii. Moscow, Kolos, 1965 375 p

Survey of labor legislation. Sots. trud. 11 no 12 134-137 D '66

## AGRICULTURAL WORKERS

(See also subdivision under Stavropol Territory)

Burdashev, D. A. [To agricultural workers and employees on the settlement of labor disputes] Sel'skokhoziaistvennyy rabochim i sluzhashchim o razreshenii trudovykh sporov. 2. izd. [Moscow] Profizdat, 1963, 61 p.

(MII-L)

## KIEV PROVINCE—AGRICULTURAL WORKERS—DISEASES AND HYGE

## AGRICULTURAL WORKERS—EDUCATION AND TRAINING

(See subdivision under Leningrad Province; Moldavia)

## AGRICULTURE

(See also subdivision under Caucasus, Northern; Dnepropetrovsk Province; Estonia; Kazakhstan, Khmel'nitskiy Province, Krasnodar Territory; Latvia; Mongolia; Ossetia, North; Tula Province; Turkmenistan; Tuva A.S.S.R.; Vinitsa Province)

Agronomic passport. Zemledelie 28 no 11 70-73 N '66

The all-Union socialist competition. V. Mitokhin. Ekon. sel'khoz. 42 no 11 2-8 N '66

Fundamental concepts of the theory and practice of agriculture. V. D. Pankov. Zemledelie 28 no 10 2-10 O '66

Give the 50th anniversary of the Soviet regime worthy welcome. Zemledelie 28 no 11 2-3 N '66

Increase the contribution of the hydrolysis industry to the development of production in agriculture. Gidroliz i lechokhrom prom. 15 no 4 1-2 '62

Let us carry out the decisions of the party! Mol. komm. 4 33-7 Mr '61

Problems of improving the efficiency of agricultural production. B. Solov'ev. Plan. khoz. 43 no 1 20-25 Ja '67

Role of chemistry in agriculture. Khim. prom. [Ukr.] no 3 3-4 Ji-S '62

Special item exhibitions and displays. Inform. biul. VDNKH no 8 18-19 Ag '62

Special item exhibitions and displays: agriculture. Inform. biul. VDNKH no 9 14-20 S '62

Technical and scientific information, seminar. Inform. biul. VDNKH no 8 19-23 Ag '62

Trade unions are active participants in the nationwide struggle for the further improvement of agriculture. Inform. biul. VDNKH no 22 no 24 29-33 D '66

Vavilov, N. I. [Genetics and agriculture]. Genetika i sel'skoye khoziaistvo, shkola i teorii. Moscow, Znanie, 1967, 60 p. (Novoe v zhizni, nauke, tekhnike. Vserossiyskoye khoziaistvo, no. 1)

Vologodskiy molochnyy institut. [Reports of the conference on the results of research in 1963] Doklady nauchnoy konferentsii po itogam nauchno-issledovatel'skoy raboty za 1963 god. [Vologda] Severo-Zapadnoye nauchnoye izd-vo, 1964, 219 p.

[DNAL MICROFILM]

Zenka, V. [Agriculture in the five-year plan] Lauksaimnieciba piec gadiem. Riga, Liesma, 1965, 59 p. [In Latvian]

Zlomanov, L. P., and I. S. Rybakov. [What industry does for agriculture]. Promyshlennosti sel'skoyu khoziaistvu. Moscow, Ekonomika, 1966, 86 p. (Aktual'nye problemy ekonomiki sel'skogo khoziaistva)

AGRICULTURE—ABSTRACTS

[Agriculture; classed index of articles in foreign periodicals] Sel'khoz.; sist. ukaz. st. v inostr. zhuz. no 10 '68.

## AGRICULTURE—ACCIDENTS

(See also subdivision under Khmel'nitskiy Province)

Problems of a standard method of accounting in agricultural enterprises. IU. Litvin. Bukh. uch. no 11 49-53 N '66.

## AGRICULTURE—ACCOUNTING

(See also subdivision under Kherson Province)

Problems of a standard method of accounting in agricultural enterprises. IU. Litvin. Bukh. uch. no 11 49-53 N '66.

## AGRICULTURE—BIBLIOGRAPHY

(See Bibliography—Agriculture)

## AGRICULTURE—COSTS

How to distribute overhead costs. V. Besprikov. Ekon. sel'khoz. 42 no 12 101-103 D '66

Increasing labor productivity and reducing production cost are the basic problems of agricultural development. E. Karnaukhova. Ekon. sel'khoz. 42 no 11 29-45 N '66

## AGRICULTURE—ECONOMIC ASPECTS

(See also subdivision under Kirghizistan; Moldavia; Samarkand Province, Siberia; Uzbekistan)

Chelabinskii gosudarstvennyi pedagogicheskii institut. [Some economic problems of the building of communism in the U.S.S.R.] Nekotoryye ekonomicheskie voprosy stroitel'stva kommunizma v SSSR. Chelabinsk, 1965, 132 p.

Consolidate and multiply the achievements in agriculture. Ekon. sel'khoz. 42 no 12 4-6 D '66

In the methodological bureau of the Evaluation of Achievements of the National Economy. Inform. biul. VDNKH no 6 11 S '62

Makarov, N. P. [Economic principles of the organization of production on collective and state farms]. Ekonomicheskie osnovy organizatsii proizvodstva v kolhozakh i sovkhozakh. Moscow, Kolos, 1966, 535 p.

Ponov, I. G. [Linear programming in economic calculations for agriculture]. Lineinoe programmirovaniye v ekonomicheskikh raschetakh po sel'skomu khoziaistvu, uchebnoye posobie. Moscow, In-t. nar. khoz., [1961] 102 p.

AGRICULTURE—FINANCE

(See also subdivision under Kirghizistan, Siberia, Western)

Determining the most efficient way of investing capital. K. Ereminov. Ekon. sel'khoz. 42 no 11 60-65 N '66

Principles of business accounting in socialist agricultural enterprises. M. Mikhailov, G. Chanov. Ekon. sel'khoz. 42 no 12 46-56 D '66

## AGRICULTURE—HANDBOOKS, MANUALS, ETC.

Hoim, Harald, comp. [Handbook for agronomists] Agonomifisimik. Tallinn, Valgus, 1966, 246 p. [In Estonian]

[DNAL]

## AGRICULTURE—LABOR PRODUCTIVITY

A collection of little use. D. Goshin. Nov. ml. 30 no 3: 267-270 Mr '63

Increasing labor productivity and reducing production cost are the basic problems of agricultural development. E. Karnaukhova. Ekon. sel'khoz. 42 no 11 29-45 N '66

We have to develop initiative and promote responsibility. Agitator 34 no 23 2-5 D '66

## AGRICULTURE—MAPS

Present state of and problems in the field of agricultural cartography in the U.S.S.R. M. I. Nikishov. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no 2 4-15 '62

Some problems in the mapping of suburban agriculture in the U.S.S.R. M. B. Vol'f. Mat. Otd. mat. geog. i kart. Geog. ob-va SSSR no 2 54-61 '62

## AGRICULTURE—PERIODICALS

"Sam sebe agronom." M. Ingal. Zemledelie 28 no 12 66-67 D '66

## AGRICULTURE—PRODUCTION STANDARDS

(See also subdivision under Moscow Province)

Lopatina, O. I. [Scientific principles of establishing work norms in agriculture]. Nauchnye osnovy normirovaniya truda v sel'skom khoziaistve. Moscow, I. kom. ml., 1966, 239 p.

## AGRICULTURE—SAFETY MEASURES

(See also subdivision under Echnadzin)

## AGRICULTURE—STUDY AND TEACHING

(See also subdivision under Bekhy Tserkov; Ivanovo)

Correspondence in situations of higher education with foreign students. Zemledelie 28 no 10 60-61 O '66

Work and study. K. V. Rodin. Zemledelie 28 no 10 65-66 O '66

New achievements of agricultural education. V. I. Krasota. Vest. vys. shkoly 21 no 12 17-18 D '66

Practices in the preparation of meliorators. A. I. Belskii, A. P. Ignatov. Zemledelie 28 no 10 66-67 O '66

Practical agriculture with highly-qualified agronomists. M. A. Solov'ev. Zemledelie 28 no 10 61-64 O '66

Study without breaking with production. V. I. Glinkin. Zemledelie 28 no 10 67-68 O '66

Where an agronomist may learn by correspondence. Zemledelie 28 no 10 68 70 O '66

Winter agrochemical study. A. Popko. Zemledelie 28 no 12 2-3 D '66

## AGRICULTURE—TECHNOLOGICAL INNOVATIONS

Danilova, A. A. [School of progressive practice on a state farm] Shkola peredovogo opyta v sovkhوزه. [Moskva] Profizdat, 1966, 20 p. (Biblioteka sratskogo profsoyuznogo aktivista, no. 11(59))

## AGRICULTURE, COOPERATIVE

(See also subdivision under Cuba; Ural Mountain region)

How the Communist Party struggled against the violations of the Leninist principles of the socialist reconstruction of agriculture in 1918-1919. V. A. Bryshkin. Trudy IPI no 261, 12-48 '66

Victory of the Lenin cooperative plan. P. Ignatovskii. Ekon. sel'khoz. 42 no 11 10-11 N '66

## AGRICULTURE, COOPERATIVE—LAWS AND LEGISLATION

Petrov, V. V. [Statute of the agricultural artel and the collective farm laws]. Ustav sel'skokhoziaistvennykh i sovetskikh zakonodatel'stvo o kolhozakh. [Kazant] Izd-vo Kazanskogo univ., 1966, 220 p.

AGRICULTURISTS

(See also subdivision under Gulyaypolo District; Lithuania)

Assistant agronomist. Zemledelie 28 no 10 55 O '66

Collective farm agronomist. D. Mekain. Zemledelie 28 no 10 51-58 O '66

Example of serving the country, people. Zemledelie 28 no 12 1-5 D '66

Grant them inspectors' rights. V. Terlaev. Zemledelie 28 no 12 62-63 D '66

Honored agronomist. G. Doroshchenkov. Zemledelie 28 no 12 50-52 D '66

Make conditions for creative work. I. Piatnitskii. Zemledelie 28 no 11 76-77 N '66

More independence. I. A. Zelenka. Zemledelie 28 no 11 74-75 N '66

Organizer and technologist. D. Mekain. Zemledelie 28 no 12 16-19 D '66

Our proposals. A. Vorobiev. Zemledelie 28 no 11 53 D '66

Provide agronomists with transportation. I. Mitur. Zemledelie 28 no 12 61 D '66

Technologist of production. A. Levitskii. Zemledelie 28 no 12 62 D '66

Triumph in Novo-Ivankovka. A. Maksimov. Zemledelie 28 no 12 67 D '66

Use land properly. L. Kazakov. Zemledelie 28 no 12 60 D '66

## AIDS TO NAVIGATION

Incandescent lamps for light signal devices. L. Belova. Rech. transp. 25 no 12 33-34 '66

## AIDS TO NAVIGATION—ATLASSES

Voronov, V. V., and V. K. Potil'nikov. [Atlas of electric navigation equipment] Atlas elektronavigatsionnykh priborov. Moscow, Transport, 1966, 63 p.

## ANBINDER, MAX, d. 1886?

Max Anbinder; obituary. Avtom. i telem. no 11 184 '66



## ANALYSIS

also subdivision under Dagheshian)  
vskala, M. S., S. L. Glazburg, and O. D. Khalizova.  
Methods of determining harmful substances in the air  
(technical manual) [Metody opredeleniya vrednykh  
chestv v vozdukh, prakticheskoe rukovodstvo  
2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000]

## POLLUTION

yskala, M. S., S. L. Glazburg, and O. D. Khalizova.  
Methods of determining harmful substances in the air  
(technical manual) [Metody opredeleniya vrednykh  
chestv v vozdukh, prakticheskoe rukovodstvo  
1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000]

## POLLUTION—CONGRESSES

on of the standing European Committee for studying  
angers of Chronic Intoxication for the International  
against Cancer], I. M. Shabad Vest ANIN  
13 no 12 73-77 '60

## PURIFICATION

ation of mine air from sulfur dioxide. F. N. Ryzhik  
and others. Gor zhur. no 12 '58-61 D '66

## RAZVED

of some studies of Air Pollution in industrial  
areas. E. V. Gorunova, V. E. Solodikhin. Izv. vyz.  
zav. tekhn. tekhn. tekhn. no 5-130-135 '66

## RAKES

characteristics for studying pneumatic brake drives  
on hoisting machinery. N. S. Kopylov. Izv. vyz.  
zav. gor. zhur. 6 no 5-116-160 '63

## IMPRESSIONS—AERODYNAMICS

s, S. P. [Aerodynamics of centrifugal compressor  
impellers] Aerodinamika i aerodinamika kompressorov  
impellerov. Moskva, Mashinostroyeniye, 1966, 339 p.

## IMPRESSIONS—SAFETY MEASURES

ence in preventing explosions of compressors and  
inductors. P. V. Volkov. Bezop. truda v prom. 6  
19-21 M, '62

## ENSES, MILITARY

ko, G. D. [Modern systems of air defense; meth-  
ods of control of combat operations] Sovremennye  
sistemy PVO, metody i sredstva upravleniya  
vzletnymi. Moskva, Voenizdat, 1966, 243 p.

## OTS

II, S. P. [Equipment of an air pilot and astronaut]  
oborudovanie letchika i kosmonavta. Moskva, Voenizdat,  
1961 p.

anov, M. V. [Friends in the sky] Druz'ya v nebe,  
dru'z'ya. Sov. Rossiya, 1967, 299 p. (Russian byvalykh  
)

## PREHEATERS

ing the operational reliability of air heaters in  
temperature air heating operation. V. A. Loshkin,  
K. V. Talykin. Energomashinostroyeniye no 8,  
33-31 Ag '62

cture of air preheaters. M. V. Belov. Energo-  
mashinostroyeniye 7 no 1:35 Ja '61,  
g the heat transfer and aerodynamic resistance  
semi-industrial model of the air preheater manu-  
factured from profiled sheet metal. E. I. Volter,  
Savitskiy, I. A. Luk-Zil'berman. Energomashino-  
stroyeniye 7 no 1:22-25 Ja '61.

## RES—DESIGN AND CONSTRUCTION

re constructed at home in a third floor room.  
Makov. Izobreteniya no 12:14-16 '66.

## RES—LUBRICATION

se of the resources of raw material for the produc-  
tion of aviation oils. R. Sh. Kuliev and others. Khim. i  
tekhn. masel 11 no 1:22-24 N '66,  
g aviation oil from Peschany Island petroleum.  
Kuliev and others. Azerb. neftekh. 45 no 9:  
S '66.

## RES—MODELS

the airplane model builder. Kryl rod 17  
no 28 S '66

nization is necessary! I. Khukhura. Kryl rod  
9:29-30 S '66  
of young airplane model builders. Kryl rod 17  
9 S '66.

the season. M. Semenov. Kryl rod 17 no 9:  
'60

## AIRPORTS

(see also subdivision under Chelyabinsk; Mineralnyye  
Vody, Stavropol Territory)  
A modern airport. L. Gotskii. A. Borodach. Kryl rod  
17 no 9:23-26 S '66

## AIRPORTS—DESIGN AND CONSTRUCTION

see sub-  
division under Prague

## AKASKOV, SERGEI TIMOFEEVICH, 1791-1859

With love for the people. P. Lazovskii. V mire knig 6  
no 11:28-29 N '66.

## AKHTALA REGION (ARMENIA)—ORE DEPOSITS

Some characteristics of the structure of the Akhtala ore  
field (northern Armenia) and basic stages in its develop-  
ment. V. M. Chernyshev. Izv. VGU 63:16





AMMONIA AS FERTILIZER see subdivision under  
Irkutsk Province

## AMMONIA IN THE BODY

Accelerated determination of ammonia traces by means of isothermal diffusion method. L. P. Bichun, L. I. Gridneva, I. A. Rypava. Lab. delo no 1,20-23 '67

Determination of ammonia in the blood by means of isothermal distillation method. A. A. Aliev, Z. M. Akhva. Lab. delo no 1,19-20 '67

Modified methodology for isothermal distillation of ammonia. R. B. Stel'kov. Lab. delo no 1,17-19 '67

## AMMONIUM CHLORIDE CRYSTALS—THERMAL PROPERTIES

Sound absorption in NH<sub>4</sub>Cl single crystals during their phase transition. O. A. Shushin, I. A. Yakovlev, T. S. Vtchikina. Pis'ma v zhurn. teoret. i teoret. fiz. 5 no. 1,6-9 Ji '67.

## AMMONIUM COMPOUNDS

Alkylation of methylamine with ammonium salts. A. T. Babayan and others. Dokl. AN Arm SSR 35 no. 2,67-70 '62

Amines and ammonium compounds. Part 1: Alkaline cleavage of 1,4-diquaternary ammonium salts containing 2-(1-hydroxy-2-methyl-2-butyl) common group. G. B. Bagdasarian, M. G. Indzhikyan, A. T. Babayan. Zhurn. org. khim. 2 no. 11,887-1,891 Ji '66

Amines and ammonium compounds. Part 3: Thermal and alkaline cleavage of quaternary ammonium salts containing substituted ethyl groups. A. T. Babayan, G. T. Marutyan, D. V. Grigorian. Zhurn. org. khim. 2 no. 11,974-1,983 Ji '66

Amines and ammonium compounds. Part 12: Alkaline cleavage of 1,4-diquaternary ammonium salts with 2-butenylamine common radical. A. T. Babayan and others. Zhurn. org. khim. 2 no. 11,992-1,994 Ji '66

Effect of long-chain quaternary ammonium salts on the porosity of bentonite clays. II. M. Kalinova, N. V. Hudovych, IE II Kuvshinsky. Dop. AN URSR no. 11,179-1,182 '62

Therapeutic activity of quateron in peptic ulcer. A. R. Izdilis, I. S. Ryba. Sov. med. 26 no. 3,35-38 Zh. '63

## AMMONIUM COMPOUNDS—PHYSIOLOGICAL EFFECT

Study of the mechanism of chemoreception. Report No. 5. Effect of tetraethylammonium on receptivity of small intestine receptors to different chemical stimuli. N. A. Antkurn. Biol. eksp. biol. i med. 55 no. 6,29-31 Je '63

## AMMONIUM NITRATE—EFFECT ON PLANTS see Plants, Effect of ammonium nitrate on

## AMMONIUM PHOSPHATE CRYSTALS—GROWTH

Effect of pH on growth of ammonium dihydrogen phosphate crystals in presence of Fe<sup>3+</sup> and Cr<sup>3+</sup> ions. I. M. Bykova. Rost. krist. 7,219-227 '65

## AMMONIUM RUDECKATE

Interaction of the thion on a complex of tellurium with Rudeckate salt. I. L. Bagdasarian, I. K. Guseinov. Dokl. AN Azerb. SSR 18 no. 1,27-29 '62

## AMMONIUM SALTS

Interaction of carbamide and ammonium salts. A. G. Treshchov, T. M. Un. dzh. nat. 14,5,11-13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1066,1067,1068,1069,1070,1071,1072,1073,1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1109,1110,1111,1112,1113,1114,1115,1116,1117,1118,1119,1120,1121,1122,1123,1124,1125,1126,1127,1128,1129,1130,1131,1132,1133,1134,1135,1136,1137,1138,1139,1140,1141,1142,1143,1144,1145,1146,1147,1148,1149,1150,1151,1152,1153,1154,1155,1156,1157,1158,1159,1160,1161,1162,1163,1164,1165,1166,1167,1168,1169,1170,1171,1172,1173,1174,1175,1176,1177,1178,1179,1180,1181,1182,1183,1184,1185,1186,1187,1188,1189,1190,1191,1192,1193,1194,1195,1196,1197,1198,1199,1200,1201,1202,1203,1204,1205,1206,1207,1208,1209,1210,1211,1212,1213,1214,1215,1216,1217,1218,1219,1220,1221,1222,1223,1224,1225,1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226,2227,2228,2229,2230,2231,2232,2233,2234,2235,2236,2237,2238,2239,2240,2241,2242,2243,2244,2245,2246,2247,2248,2249,2250,2251,2252,2253,2254,2255,2256,2257,2258,2259,2260,2261,2262,2263,2264,2265,2266,2267,2268,2269,2270,2271,2272,2273,2274,2275,2276,2277,2278,2279,2280,2281,2282,2283,2284,2285,2286,2287,2288,2289,2290,2291,2292,2293,2294,2295,2296,2297,2298,2299,2300,2301,2302,2303,2304,2305,2306,2307,2308,2309,2310,2311,2312,2313,2314,2315,2316,2317,2318,2319,2320,2321,2322,2323,2324,2325,2326,2327,2328,2329,2330,2331,2332,2333,2334,2335,2336,2337,2338,2339,2340,2341,2342,2343,2344,2345,2346,2347,2348,2349,2350,2351,2352,2353,2354,2355,2356,2357,2358,2359,2360,2361,2362,2363,2364,2365,2366,2367,



## ANDROSTANE

Synthesis of androstane derivative series. Report no. 12. Hydroxyl and asymmetric dihydroxy groups of 17-methyl testosterone, 16, 17-dimethyltestosterone and 17-methyl-17 $\alpha$ -OH testosterone. L. V. Gerasimov. Khim. prirod. soed. no. 3:34-35 1966

## ANEMIA

Causes and treatment of anemia developing after operation on the open heart under conditions of artificial blood circulation. S. A. Gaidukov, V. A. Voronov, I. V. Kuznetsov. Khirurgiya no. 2:31-36 1963

## ANEMIES

Cardiac arrhythmia in fluorine anesthesia in children. B. I. Semenov, I. U. L. Stepanov, E. A. Khur'yanov. Vestn. 8 no. 6:69-73 N-D 1963

## ANESTHESIA—COMPLICATIONS AND SEQUELAE

Effect of anesthesia and surgical treatment on the endocrinological function, a review of literature. V. F. Volkov. Eksp. khir. i anest. no. 6:17-20 N-D 1963

## ANESTHESIA—EQUIPMENT AND SUPPLIES

Standardization of anesthetic equipment. F. N. Kozlov, L. F. Kozlovskaya, S. M. Gafanullina. Eksp. khir. i anest. no. 6:74-76 N-D 1963

## ANESTHESIOLOGY

Effectiveness of antihistaminic preparations in anesthesiology. D. G. Tagdiz. Azerb. med. zhur. 40 no. 9:3-12 1963

New developments in anesthesiology. Inform. bl. VDNKh no. 9:26-27 30 1962

Some characteristics of anesthesia in oncological clinics. I. F. Shvachenko, N. M. Smirnov. Klin. onk. no. 1:3-15 1965

## ANGARA VALLEY—LOESS

Conditions governing the formation of loess in the upper Angara Valley. T. G. Gufanova. Geol. i geofiz. no. 11:87-94 1963

ANGELICA see subdivision under Soviet Far East

## ANGINA PECTORIS

Differential diagnostic significance of eosinophilia in myocardial infarct and stenocardia. L. B. Shchegoleva. Sov. med. 26 no. 3:17-20 1963

Experience in the treatment of stenocardia with a novocaine block using the author's method. B. M. Khromov. Trudy Inst. im. N. V. Sklif. 7:202-207 1963

Simplified method for the determination of fibrinogen in the plasma during myocardial infarct and stenocardia. Azerb. med. zhur. 40 no. 3:43-48 1963

Use of motion pictures in the study of cardiac vessels in stenocardia and myocardial infarction in man. S. V. Andreev and others. Trudy Inst. im. N. V. Sklif. 7:249-254 1963

## ANGIOGRAPHY

Methodology for experimental catheterization of the celiac artery and its branches. Kh. D. Kulleva, P. N. Mazaev. Eksp. khir. i anest. no. 6:26-28 N-D 1963

Significance of segmental broncho- and angiography in differential diagnosis of the basic groups of spherical formations in the lungs. M. G. Vumuk. Khirurgiya 12 no. 11:81-89 N 1966

## ANGIOSPERMS

Modern state of the problems of the evolution and classification of the fruit of angiosperms. M. P. Pavlova. Trudy Un. druzh. nar. 14 Ser. fiz. nauk. no. 1:59-170 1966

## ANGREN VALLEY—AVALANCHES

Effect of some morphometric characteristics on descent of avalanches in Naugarn Valley. G. G. Khimichov. Trudy Stek. Az. nauch.-issl. gidrometeor. inst. no. 27:156-166 1966

Results of observations on descent of avalanches in intermontane zone of Angren Valley. M. K. Ertimov. Trudy Stek. Az. nauch.-issl. gidrometeor. inst. no. 27:151-155 1966

## ANGULAR MOMENTUM (NUCLEAR PHYSICS)

Experimental data on K-meson and nucleon charge exchange at high energy, and complex moment theory. V. N. Melnikov, K. A. Ter-Matiosian. Izd. fiz. 4 no. 5:1072-1076 N 1966

Graphical methods in angular momentum theory. L. A. Shelegin. Izd. fiz. 4 no. 5:1091-1096 N 1966

## ANHYDRIDES

Reaction of aminophosphoranes with acid anhydrides. L. I. Mizrakh, L. U. Sandalova, V. P. Evdokov. Dokl. AN SSSR 171 no. 5:1118-1119 D 1968

## ANICHKOV, SERGEI VIKTOROVICH, 1893-

Concept of Pavlovian nervalism in pharmacology, on the 70th birthday and the 50th anniversary of the scientific activity of Professor S. V. Anichkov, active member of the Academy of Medical Sciences of the U.S.S.R., D. A. Birlin. Fiziol. zhur. 48 no. 10:1287-1289 O 1962

## ANILINE

Acid catalysis and autocatalysis in the reaction of ethyl acetate with aniline. M. M. Sushkova, N. N. Lebedev. Izv. VNIIT no. 12:81-88 1963

Alkylation of methylaniline with ammonium salts. A. T. Bratun and others. Dokl. AN SSSR 15 no. 2:67-70 1962

Differential capacity curves of mercury electrode in aniline solutions. S. I. Datskaya, B. B. Dumayevskii. Elektrokhimiya 2 no. 11:1110-1113 N 1966

Hydrogen bonding and frequency of stretching vibrations of N-H- and NO<sub>2</sub>-groups of nitroanilines. A. I. Lutskii, P. A. Chernyavskii. Ukr. khim. zhur. 12 no. 12:1317-1320 1966

Polymerization of 1-anilino-3-butene-2-ol from aniline and dimethylol. S. R. Tulaganov, K. D. Petrov. Plast. massy no. 9:30-31 1962

## ANIMAL INTRODUCTION—MAPS

New method of compiling maps of animal replenishments in general atlases. A. P. Sherdor, D. K. Ist. geog. Sib. i Dal' Vost. no. 10:32-35 1963

## ANIMAL LOCOMOTION

Disorders and recovery of motor functions in ducks following lateral hemisection of the spinal cord. S. M. Lyanova. Bul. eksp. biol. i med. 55 no. 5:29-32 1963

## ANIMAL MIGRATION

Study of the migrations of moose in the Barguzin Range. S. B. Usinov. Izv. Vost.-Sib. otd. Geog. obs. SSSR 60:125-130 1962

## ANIMAL PRODUCTS—DISINFECTION

Disinfecting raw intestines infected with the pathogens of brucellosis. K. F. Lukina. Veterinaria 13 no. 12:88-91 D 1966

ANIMALS AS CARRIERS OF DISEASE see subdivision under Upper Volta

## ANIONIT

Quantitative determination of pyromolybdenum and molybdenum using the anionit N-O. D. S. Lashina, N. N. Ba. Khim. i prikl. 12 no. 1:76-77 Ju-F 1963

## ANISOLE

Luminescent properties of the products of condensation of naphthalene anhydride with 3, 4-diaminobenzole. B. M. Kozlovskii, F. A. Shvachenko, L. D. Shcherbak. Zhur. VkhO 11 no. 6:705 1966

## ANISOTROPY

Anisotropy of heat conductivity of oriented polymer films. G. L. Slonimskii, T. A. Dabakova, V. I. Pavlov. Vysokom. soed. 8 no. 10:1717-1720 O 1966

Diamagnetic anisotropy and polymeric structure of alkali-halate glasses. L. V. Semchenov, V. V. Tarasov. Trudy VNIIT no. 11:101-106 1963

Optical anisotropy of films prepared under oblique incidence of a molecular beam. N. K. Borodkina, I. P. Stankov. Fiz. tver. tela 8 no. 7:2260-2262 Ji 1966

## ANKLE—DISEASES

Two cases of dissecting osteochondroma of the talocalcaneal joint or cuboid with osteonography in the third (oblique) projection. I. S. Golubkova. Trudy Novokuz. GIMF 32:125-126 1965

## ANKLE—FRACTURE

Course of severe closed lesions in the talocalcaneal joint. B. V. Bilinov. Traumatologiya no. 1:233-238 1965

Results of conservative treatment of malleolar fractures. N. A. Shchekova. Traumatologiya no. 1:311-317 1965

## ANKLE—SURGERY

Approach for the removal of tumors of the external epicondylar process of the ulna, 3 observations. V. P. Selivanov. Vop. onk. 12 no. 12:61-66 1966

## ANKLE—WOUNDS AND INJURIES

X-ray diagnosis of lesions of the talocalcaneal joint in the third (oblique) projection. F. S. Golubkova. Trudy Novokuz. GIMF 32:121-124 1965

## ANNA DISTRICT—COMMUNIST PARTY OF THE SOVIET UNION

Leading role of party organizations. A. Arapov, A. Davydov. Sov. potreb. koop. 10 no. 12:20-22 Ji 1966

## ANNA DISTRICT—COOPERATIVE SOCIETIES—MANAGEMENT

Leading role of party organizations. A. Arapov, A. Davydov. Sov. potreb. koop. 10 no. 12:20-22 Ji 1966

## ANNEALING OF METALS

Effect of annealing on the electric properties of indium antimonide. G. N. Evstafeyeva, I. V. Proskudinova, E. I. Pumper. Izv. AN SSSR, Neorg. mat. 2 no. 12:2252-2254 D 1966

Studying the graphitization of white cast iron. F. K. Trachenko and others. Izv. vys. ucheb. zav., Chern. met. no. 8:123-135 1966

## ANNIVERSARIES

(see also subdivision under Uzbekistan)  
Our calendar. Mol. kom. no. 3:88-91 1961  
Our calendar. Mol. kom. no. 11:106-107 N 1961

[Revolutionary and historical reference calendar, 1967] Revoliutsionno-istoricheskii kalendariy - spavochnik, 1967, Moskva, Poblizdat, 1967, 383 p.

## ANONYMS AND PSEUDONYMS

Books in "marka" P. Melnikov. Voprosy 6 no. 12:12 D 1966

ANOPHELES see subdivision under Chelyabinsk Province

ANOPLURA see subdivision under White Russia

## ANOREXIA NERVOSA

Anorexia nervosa: one of the causes of secondary amenorrhea. M. V. Kozina. Zhur. nev. i psikh. 61 no. 1:124-129 1963

Some remarks on the so-called psychic anorexia. I. A. Michail. Zhur. nev. i psikh. 67 no. 1:71-76 1967

ANOPIHOSITE see subdivision under Bug Valley

## ANOKEMIA

Effect of AC 11 on the content of glycogen in tissues of rats with acute hypoxia. I. U. M. Gerasimov. Vop. med. khim. 12 no. 6:603-605 N-D 1966

Effect of anoxia during and after irradiation on radiation damage of lymphocytes. I. I. Smirnova. Radiobiologiya 6 no. 6:826-832 1966

Effect of hypoxia on the content of components of the adenosine system of the skeletal muscle and heart in rats. A. I. Kulikova. Vop. med. khim. 12 no. 6:606-609 N-D 1966

Effect of the degree of myocardial hypertrophy in experimental heart defect on body temperature at altitude hypoxia. I. U. M. Gerasimov. Bul. eksp. biol. i med. 55 no. 3:37-40 1963

Mechanism of increasing the resistance of rats to deep hypoxic-hypocapnic hypoxemia under the influence of prior training. N. V. Kozlovskaya. Fiziol. zhur. 18 no. 10:1200-1211 O 1962

ANERIFORMES—PARASITES see Parasites—Aneriformes

## ANTARCTIC OCEAN—OCEANOGRAPHY

Study of the water, heat, and salt discharges at the Africa-Antarctica and New Zealand-Antarctica cross-sections. I. V. Gilyardi. Inform. bl. Sov. antark. eksp. no. 59:46-48 1966

## ANTARCTIC REGIONS—ANTHROPODA

Present state of the study of terrestrial Arthropoda in Antarctica. M. E. Puzina. Inform. bl. Sov. antark. eksp. no. 59:65-70 1966

## ANTARCTIC REGIONS—ATMOSPHERIC NUCLEATION

Vertical structure of the water nucleus in the Antarctic. V. N. Kuznetsov. Inform. bl. Sov. antark. eksp. no. 59:12-17 1966

## ANTARCTIC REGIONS—IMBIBICHOGRAPHY

Bibliography. Inform. bl. Sov. antark. eksp. no. 59:86-90 1966

## ANTARCTIC REGIONS—CRUSTACEA

Antarkticheskiy nauchno-issledovatel'skii inst. i rybn. khoz. i morsk. biol. (Antarctic Res. Inst. Biology and Fisheries) Antarkticheskiy k'rt', biologiya i promysel, Kallinograd, 1965, 91 p.

[MICROFILM]

## ANTARCTIC REGIONS—GEOPHYSICAL RESEARCH

By radio from the Antarctic. Inform. bl. Sov. antark. eksp. no. 59:76-80 1966

## ANTARCTIC REGIONS—ICE

Accumulation of seawater on the Antarctic fast ice. V. A. Spiridonov. Inform. bl. Sov. antark. eksp. no. 59:73-76 1966

## ANTARCTIC REGIONS—IONOSPHERIC—OBSERVATIONS

Drift of small-scale inhomogeneities in the ionosphere (Antarctic region). A. A. Kozlov and others. Geomag. i aer. 6 no. 6:1120-1122 N-D 1966

## ANTARCTIC REGIONS—PIGMENTS

Mummies found in Antarctica. G. V. Kononov, T. A. Mikhailova. Priroda 53 no. 12:109-101 1966

## ANTARCTIC REGIONS—SNOW

Variations of snow accumulation and some characteristics of the climate and atmospheric circulation of the climate and atmospheric circulation of Antarctica. N. L. Burkov, V. M. Petrov. Inform. bl. Sov. antark. eksp. no. 59:5-11 1966

ANTELOPES, FOSSIL see subdivision under Moldavia

## ANTENNAS (ELECTRONICS)

Antenna with limited excitation zone. G. N. Tereshin, A. E. Gurov, I. I. Antipenko. Radiotekh. i elektron. 11 no. 11:1044-1042 N 1966



## ANTIGENS AND ANTIBODIES (Continued)

- Transfusion reaction related to anti-hb anti bodies. A. G. Bashid. *Prilozheniye k zhurnal "Lezheniya"* 8 no. 2 78-80 1963
- Transplantation (passive) transfer of plague antibodies to the progeny of great gerbils. M. I. Lerm, I. G. Chukhov. *Izvestiya Akad. nauk SSSR Ser. biol.* 35 no. 6 948-951 Dec '63
- Use of isothiocyanatobioses for antibody labeling. M. M. Ogilovskaya, P. P. Shesternin and others. *Izv. Akad. nauk SSSR Ser. biol.* no. 3 111-113 Jan. '63
- Use of the antituberculin reaction reaction in immunohematological examinations. R. K. Kaluzhentsa. *Prilozheniye k zhurnal "Lezheniya"* 8 no. 2 76-79 Feb. '63

## ANTIGENS AND ANTIBODIES—ANALYSIS

- Detection or nonprecipitating antibodies with the salting-out method. A. I. Nikolov. *Mosk. zhurnal biol. nauk* no. 1 9-11 '67
- Examination of complex antigenic mixture using Ouchterlony's method of antigen and antiserum titration in a single test. V. S. Apekin. *Lab. delo* no. 11 11-13 '67
- Separation of individual antigens from complex mixture of purified B. B. bacteria. R. N. Usayeva, F. K. Isanov, L. K. Stepanova. *Vopr. med. khim.* 12 no. 6 564-574 M-D '66
- Some improvements in the arrangement of Ouchterlony's reaction. G. I. Avdeev. *Lab. delo* no. 1 13-15 '67
- Study of the antigens of stomach cancer in man by precipitation in agar. L. V. Shershin'skaya. *Vopr. onk.* 9 no. 3 22-27 '63
- Studying the antigenic structure of bacteria used in deratization. N. A. Popov. *Vestnik med. biol.* 31 no. 11 87-90 N '66
- Use of the fluorescent antibody method for study of the localization of simian virus No. 10 in the cell and for its rapid detection in vaccine. S. G. Dragunov and others. *Vopr. virus.* 8 no. 4 171-173 N-Ag '63

## ANTIHISTAMINES

- Effectiveness of antihistamine preparations in anesthetic. D. G. Fedotkin. *Azerb. med. zhurnal* 40 no. 3 12-15 '61
- Significance of competition in the interaction between effects of histamine, dimethyl and antihistamine histamine. P. I. Dzhilova. *Trudy LPMI* no. 12 39-41 '65

## ANTIHYPERTENSIVE AGENTS

- Motherwort growing in Azerbaijan used as a hypotensive agent in hypertension treatment. T. A. Arustamova. *Azerb. med. zhurnal* no. 3 24-28 M '62

## ANTILLES, LESSER—DESCRIPTION

- The fate of the Antilles. G. Gallov. *Nov. vrent.* 25 no. 2 22 Jan. '67

## ANTIMETABOLITES

- Antagonists of aldosterone. V. Kh. Vasilenko, V. G. Kuksev. *Trudy 1-go MMI* 49 7-16 '65
- Clinical morphological studies in homotransplantation of the kidney with the use of 6-methylcholapurine. M. V. Bilenko, N. A. Bykova. *Trudy 1-go MMI* 49 86-94 '66

## ANTIMONY

- Mechanism of coprecipitation of antimony and germanium in polymeric process. K. A. Bol'shakov and others. *Izv. AN SSSR, Neorg. mat.* 2 no. 11 1921-1924 N '66

## ANTIMONY—ANALYSIS

- Chemical-spectral methods of analysis of high purity metals and semiconductor materials with the extraction of base component by  $\beta$ ,  $\beta$ -dichlorodichloro ether. Report No. 1 Analysis of high purity antimony. I. G. Udalov and others. *Zhur. anal. khim.* 21 no. 12 1457-1461 '66

## ANTIMONY-CADMIUM ALLOYS see Cadmium-antimony alloys

## ANTINEOPLASTIC AGENTS

- Akademiya nauk URSR. Institut fiziologii. [Cytotoxins in modern medicine] Tsitolitskiny v sovetskoy meditsine. Kiev, Zdorov'ia.*
- Vol. 3. [Articles dedicated to the 120th anniversary of I. I. Mechnikov's birth] Sbornik rabot, posvyaschennykh 120-letiyu so dnia rozhdeniya I. I. Mechnikova. 1966. 234 p.
- (DNLM)

- Antibiotic cluzin and its mechanism of action on cancer cells. N. G. Khueva, G. I. Roskin, L. V. AN SSSR Ser. biol. no. 3 166-170 May '63

- Effect of cytotoxic antilymphatic serum on the cellular composition of lymph nodes. E. M. Kiperov. *Pat. fiziol. i eksp. terop.* no. 3 40-53 '64

- Effect of salt and sarcosine on oxidizing phosphorylation of mitochondria of tumorous and normal cells. L. N. Romanova, Z. V. Kuz'mina. *Vopr. med. khim.* 12 no. 6 558-561 N-D '66

- Effect of some antineoplastic agents on the process of reparative regeneration in rabbits. N. N. Samoilov. *Vopr. onk.* 9 no. 3 40-52 '63

- Effect of some antineoplastic preparations on the accumulation of amino acids in the cancer cell and their inclusion in neoplasia proteins in animals. *Vopr. onk.* 9 no. 3 45-49 '63

- Effect of some derivatives and promoters of urea, cytosine, and base, protein on the growth of transplantable tumors. I. I. A. and others. *Vopr. onk.* 12 no. 12 66-67 '66

- Experimental study of selectivity of chemopreparations with antineoplastic action. I. F. I. and others. *Vest. AMN SSSR Ser. biol.* 12 44-47 '66

- Histopathological changes in organs and tissues of animals following introduction of antineoplastic antitumor drugs. I. P. Belova. *Antitumor. khim.* no. 11 1024-1030 N '66

- Intravascular transfusions in the treatment of tumors. M. B. B. and others. *Izv. Akad. nauk SSSR Ser. biol.* 31 no. 11 1024-1030 N '66

- Method for more using antineoplastic resistance of the body. S. P. Serebrenko. *Klin. onk.* no. 1 16-23 '65

- Selection of new inhibitors of immunogenesis of a tumor origin. A. I. Sholin, S. P. Shupakov. *Antitumor. khim.* no. 11 981-987 N '66

- Simple method for determining the concentration of fluorocarbon in biological fluids. A. Z. Smolinskaya, N. N. Agadzhanyan. *Vopr. onk.* 12 no. 12 70-73 '66

- Study of the mechanisms of antitumor action of alkylating metabolites. A. I. B. and others. *Vest. AMN SSSR* 15 no. 12 13-17 '66

- Symptomatic position, variability and antibiotic properties of the products of the antineoplastic antibiotic ravonon. L. P. I. and others. *Antitumor. khim.* no. 11 973-976 N '66

## ANTIOXIDANTS

- Antioxidant additives to triethylene glycol. I. I. Zhukov and others. *Khim. i tekhn. masel* 11 no. 12 21-28 D '66
- Detoxification of antioxidants in polyolefins, extraction through distillation in a vacuum. A. Z. Smolinskaya, I. I. Shlikov. *Plast. massy* no. 12 62-67 '66
- Determination of the oxidation potentials of thermal stabilizers of polyolefins. V. S. Zubkova and others. *Plast. massy* no. 12 61-63 '66

## ANTIPYRINE

- Effect of phenazone of polyphlophog beet forms. G. P. Kudryavtsev. *Dokl. AN SSSR* no. 12 991-997 D '66

## ANTIRETICULAR CYTOTOXIC SERUM

- Akademiya nauk URSR. Institut fiziologii. [Cytotoxins in modern medicine] Tsitolitskiny v sovetskoy meditsine. Kiev, Zdorov'ia.*
- Vol. 3. [Articles dedicated to the 120th anniversary of I. I. Mechnikov's birth] Sbornik rabot, posvyaschennykh 120-letiyu so dnia rozhdeniya I. I. Mechnikova. 1966. 234 p.
- (DNLM)

## ANTISEPTICS

- Electric measuring instruments for antiseptic work. V. D. Chirkov. *Mont. i spets. rab. v stol.* 23 no. 8 23-24 Ag '63

- Sanitary treatment of the cow udder before milking. V. D. Chirkov. *Vestnik med. biol.* 31 no. 11 81-84 N '66

## ANTS—EXTERMINATION

- Control of garden ants (*Lasius niger*) in houses. N. Z. I. Polovov, A. S. Opanasenko. *Med. paraz. i paraz. bol.* 31 no. 6 623 S-O '62

## AORTA

- Penicillin content in the blood following experimental intravascular intramuscular injection. L. P. Zhuravskaya, V. I. Givshchik. *Izv. Akad. nauk SSSR Ser. biol.* 31 no. 11 81-84 N '66

## AORTA—DISEASES

- Diagnosis and surgical treatment of calcification of the aorta. F. G. Uglov, L. F. D. and others. *Khirurgiya* 42 no. 11 7-13 N '66
- Shunting of the bifurcation of the aorta. S. S. Ivanov. *Sov. med.* 26 no. 3 8-12 M '63
- Treatment of closed iliacus coarctation stenosis in combined stenosis. B. M. Kostuchenko. *Kaspiy khim. i med.* 8 no. 6 11-17 N-D '63
- Use of gangliolysis in the surgical treatment of aortic coarctation. N. A. Moskherbekov and others. *Khirurgiya* 42 no. 11 7-13 N '66

## AORTA—SURGERY

- Diagnosis and surgical treatment of coarctation of the aorta. F. G. Uglov, L. F. D. and others. *Khirurgiya* 42 no. 11 7-13 N '66
- Shunting of the bifurcation of the aorta. S. S. Ivanov. *Sov. med.* 26 no. 3 8-12 M '63

## AORTIC VALVE—DISEASES

- Calcification of aortic valve (aortic stenosis). A. P. Furmanov. *Azerb. med. zhurnal* no. 8 70-72 Ag '62

## APARTMENT HOUSES

- (see also subdivision under Czechoslovakia)
- Labor productivity of integrated brigades is growing. N. F. Chashchenko. *Transp. stroy.* 11 no. 12 8 D '61
- Large-panel buildings of an integrated series. M. A. Pishchakov. *Transp. stroy.* 11 no. 11 33-36 N '61
- Number of stories in buildings and the economics of city construction. M. Vainberg, E. Krashoninnikova. *Arkh. SSSR* no. 7 14-22 '61

- Slavin, P. P. [Statistical calculation of frame and panel multi-story apartment houses]. *Statisticheskiy raschet kar-kasno-panel'nykh zhdanil bol'shoy etazhnosti. Leningrad, Stroyizdat, 1966. 121 p.*

- Ways to lower the cost of housing construction on rail-road lines. B. M. Pishov. *Transp. stroy.* 11 no. 11 36-37 N '61

## APARTMENT HOUSES—DESIGN AND CONSTRUCTION

- (see also subdivision under Italy, Kallina, Krasnoyarsk; Leningrad, Moscow, Volgograd)

- Apartment block-sections. V. A. Sobhin. *Stroy. i arkh.* Len. 28 no. 11 14-22 N '66

- Apartment sections with unified layout and design parameters. I. V. B. and others. *Arkh. SSSR* no. 7 28-31 '66

- Engus, M. I., V. N. Syedlov, and Z. A. Kakovkina. [Increasing the precision of construction of large-panel buildings]. *Povysheniye tochnosti montazha kurnopanel'nykh zhdanil. Moskva, Stroyizdat, 1965. 59 p.*

- [MICROFILM]

- Fundamentals of forming perspective models for apartment construction. L. I. Levich, I. R. R. and others. *Arkh. SSSR* no. 11 25-29 '66

- Introducing multi-story monosectional buildings into mass housing construction. A. K. K. and others. *Arkh. SSSR* no. 6 10-13 '63

- Make fully precast apartment construction flawless. S. E. Altun. *Stroy. i arkh. Len.* 28 no. 10-2 1 O '66

- New principles governing the design of rural residential and public buildings. D. B. B. and others. *Arkh. SSSR* no. 6 10-24 '63

- Ol'Phova, A. P. [Elevators in high-rise apartment houses; selecting the type of elevator and determining their quantity]. *Lifty v zhilykh domakh povyshennoy etazhnosti, vybor tipov liftov i opredeleniye ikh kolichestva. Moskva, Nauchno-issled. i inzh. inst. i perspektivnykh problem sovetskoy arkhitektury, 1966. 13 p.*

- [MICROFILM]

- Perfect design features of apartment houses of panel construction. D. A. Chugan. *Stroy. i arkh. Len.* 28 no. 10 1-7 O '66

- Problems of monosectional and monosectional high-rise single-unitary section apartment houses. E. K. K. and others. *Arkh. SSSR* no. 6 31-41 '66

- Significance of economic analysis in the approximate solution of some problems in optimal planning. I. F. D. and others. *Trudy inzh. i arkh. SSSR* no. 6 808-822 N-D '66

## APARTMENT HOUSES—HEATING AND VENTILATION

- (see also subdivision under Moscow)

## APARTMENT HOUSES—MAINTENANCE AND REPAIR

- Introduce nondestructive methods of inspection into practice of maintenance of housing. N. M. K. and others. *Stroy. i arkh. Len.* 28 no. 10 16-17 O '66
- Looking at the light side. T. K. K. and others. *Na stroe, zhizni i na otдыхu* 10 11 O '63
- Sokolov, V. K. [Modernizing apartment buildings; basic principles and methods of rebuilding major buildings]. *Modernizatsiya zhilykh zhdanil; osnovnye printsipy i metody rekonstruktsii kapital'nykh zhdanil. Moskva, Stroyizdat, 1966. 150 p.*

## APARTMENT HOUSES—SANITATION

- Sanitary engineering of large-panel apartment houses requires improvement. I. S. L. and others. *Stroy. i arkh. Len.* 28 no. 10 11-15 O '66

## APARTMENT HOUSES—SOUNDPROOFING

- Ways of improving soundproofing of living spaces. M. V. Zvoikova. *Stroy. i arkh. Len.* 28 no. 10 11-13 O '66

## APARTMENT HOUSES, COOPERATIVE

- Kulebakin, G. I. [Guide for the person joining a housing cooperative]. *V pomoshch' vstupavushchemu v zhilishchny kooperativ. [Moskva] Mosk. rabochii, 1966. 125 p.*

## APATITE

- (see also subdivision under Mali)
- Behavior of individual rare earth elements in sulfuric acid decomposition of phosphorites. E. V. G. and others. *K. A. S. and others. Min. syr. i geol.* 13 133-137 '66
- Use of raw apatite as fertilizer for rice in the Democratic Republic of Vietnam. I. E. van-Cam, A. A. Sobachkin. *Trudy un. druzh. nar.* 14, Se'khov, nauki no. 1 27-39 '66

## APATITE—TRANSPORTATION

- Evaluating certain thermophysical methods for preventing the sticking of the shipped apatite concentrate to the interior surface of the car. V. B. I. and others. A. M. G. and others. *Trudy Soluzh. NIP. i otkl.* no. 7 91-104 '65

## APHASIA

- Effect of euphoric preparations on the state of speech-motor analyzer in aphasia. N. A. K. and others. *Ala. i khim. Zhur. nov. i psikh.* 66 no. 12 1758-1763 '66

## APNOE

- Effect of preservation on the pseudocholinesterase activity in donor's blood and its significance in the treatment of apnea. N. V. Prakhov, A. G. Sukhova. *Kaspiy khim. i med.* 8 no. 6 66-69 N-D '63

- APPOYANACEAE**  
Distribution of the genus *Aspid* in the dogbane family D. A. Buzhakov, *Russk. res.* 2 no 1 513-516 '66
- APOMORPHINE—PHYSIOLOGICAL EFFECT**  
Possible significance of the inhibition of pyroacetaldehyde in the mechanism of the mechanism of apomorphine effect M. L. Reichenkhal, M. Vitolina, R. Vitolina, *Trudy I PMI* no 12 15-21 '65
- APOPLEXY**  
Clinical aspects and pathophysiology of disorders of muscular tonus in cerebral insult D. K. Luncov, *Zhurn. nevrol. psikh.* 66 no 12 1731-1758 '66  
Convulsive form of hemoragic encephalitis Z. M. Salacova, *Azerb. med. zhurn.* 10 no 9, 32-36 '69  
Electroencephalographic characteristics of the functional state of the brain in patients having had insults, L. K. Makarova, *Zhurn. nevrol. psikh.* 67 no 1 62-67 '67  
Fibrinolytic and fibrinogenolytic activity of the blood in patients with a grave course of cerebral insult, M. I. Kuz'min, *Zhurn. nevrol. psikh.* 67 no 1 13-16 '67  
Protein fractions of the blood serum in families of patients with subarachnoid and intracerebral hemorrhages, L. F. Davidenkova, N. N. Kalosova, V. V. Grigor'eva, *Zhurn. nevrol. psikh.* 67 no 1 6-13 '67  
Role of the hereditary factor in the development of insults, I. I. Isacova, V. P. Mikheev, *Zhurn. nevrol. psikh.* 67 no 1 22-21 '67  
Significance of overexcitation of the central nervous system in the genesis of experimental hypertensive cerebral insult, L. V. Kuz'minskii and others, *Blud. eksp. biol. i med.* 55 no 6, 40-43 Je '63
- APPELLATE COURTS**  
Let us improve the "style" and methods of the guidance of our courts, A. Orlov, *Sov. iust.* 30 no 23 1-2 D '66
- APPELLATE PROCEDURE**  
Appellate and review procedure in the examination of civil lawsuits O. Ivanov, *Sots. zakon* 43 no 12, 30-33 D '66  
Procedural position of public prosecutors in courts of second instance, M. Sporyuk, *Russk. prav.* 20 no 12 18-51 D '66  
Protests against executed judicial sentences, D. Ostrovskii, *Sov. iust.* 30 no 23 19-21 D '66  
We should amend article 31 of the criminal procedure code of the U.S.S.R., V. P. Pugaev, *Sots. zakon*, no 11 46-19 N '66
- APPENDICITIS**  
Visceral calcaneus-umbilical (sympathetic) reflex in the diagnosis of acute appendicitis, A. R. Aliyev, *Azerb. med. zhurn.* no 8 39-17 Ag '67
- APPRCEPTION**  
Significance of a statistical structure in single-determined response to signals of two types, V. A. Boshov, A. A. Guntin, G. M. Zarakovskii, *Vop. psikh.* 12 no 6 77-86 N-D '66
- APPETITE**  
Change in conditioned food reflexes following preliminary lavage of the oral cavity or small intestine with glucose solutions, L. V. Itina, *Dokl. AN BSSR* 6 no 9 595-597 S '62
- APPLE**  
(see also subdivision under Kazakhstan)  
Diurnal dynamics of photosynthetic factors in a fruit tree crown, Report No. 2, Diurnal changes in the light conditions in various parts of an apple-tree crown and the rate of CO<sub>2</sub> assimilation by various leaves of the crown, A. D. Romashko, *Ukr. bot. zhurn.* 20 no 1, 56-65 '63  
Effect of deep strip subsoiling and fertilizers on the yield of apple in Chernozem soils, I. I. Kanivets, *Pochv. ust. i efek. udob.* no 1, 215-220 '63  
Photosynthesis and metabolic processes in the apple tree in connection with the growth and aging of leaves, K. S. Hainnha, O. K. Kondratuk, *Ukr. bot. zhurn.* 20 no 1, 16-31 '63  
Significance of deep subsoiling and fertilizers in changing soil fertility and crop yields in case of the appearance of signs of premature aging of apple trees, I. I. Kanivets, *Pochv. ust. i efek. udob.* no 1, 210-214 '63
- APPLE—STORAGE**  
Determining the heat and carbon dioxide released by apples during cooling and storage, I. U. Allanovskii, *Fiziol. tekhn.* 39 no 3 38-10 My-Je '62
- APPLE—VARIETIES**  
Analysis of the pollen of different varieties and species of apple, V. I. Karamysheva, *Sb. tr. i. mol. nauch. sotr. VIR* no 2, 247-258 '61
- APPLE SUCKER**  
Payilidoc, V. Korchagin, *Zashch. rast.* 11 no 12 35-36 '66
- APPLIED PSYCHOLOGY** see Psychology, Applied
- APPROXIMATE COMPUTATION**  
Best methods of piecewise linear approximation, I. U. L. Ketkov, *Izv. vys. ucheb. zav., radiofiz.* 9 no 6 1202-1209 '68
- APSHERON PENINSULA—FOLDS (GEOLOGY)**  
Characteristics of development of Surakhani and Kairakum folds in the age of producing formation, N. G. Gultev, *Azerb. med. zhurn.* 45 no 9 6-8 '66
- APSHERON PENINSULA—GEOLOGY, STRUCTURAL**  
Structure of the Gousan deposit, G. P. Zamarzian, *Dokl. AN Azerb. SSR* 18 no 1 35-43 '62
- APSHERON PENINSULA—OIL FIELD BRINES**  
Change in the chemical composition of formation waters in the Bakhray series of the southern subsidence of the Patmazy-Zykh anticlinal zone, I. M. Bishirov, *Dokl. AN Azerb. SSR* 19 no 2 27-31 '63
- APSHERON PENINSULA—OIL FIELD FLOODING**  
Planning the forced withdrawal of fluid from a reservoir, M. K. Mamedov, *Azerb. med. zhurn.* 32 no 5 23-23 My '63
- APSHERON PENINSULA—PETROLEUM GEOLOGY**  
Forms of oil pools and oil-water boundaries of Subkhmal series and factors determining their formation, as revealed by study, made in Kala field, B. I. Sultanov, M. A. Dzhamalov, *Izv. AN Azerb. SSR* 19 no 1 116-121 '66
- APSHERON PENINSULA—PROSPECTING—GEOPHYSICAL METHODS**  
Longitudinal wave velocities in sedimentary rocks of Azerbaijan, under hydrostatic pressures of up to 1,000 kg/cm<sup>2</sup> per cm, M. P. Volavich and others, *Trudy Inst. fiz. Zem.* no 17 130-139 '66
- AQUALUNG**  
Under-ice research using an aqualung, D. S. Pavlov, D. S. Nivolsky, *Trudy Okean. kom.* 14 94-94 '62
- AQUARIUMS**  
Underwater illumination, I. U. Gribov, *Sov. iust.* 30 no 11 33 N '66
- AQUATIC WEED CONTROL**  
Resistance of herbicides and wastes of chemical production in soils of irrigation canals, V. P. Battuk, A. A. Guskala, *Vod. khoz.* no 1, 51-57 '66
- AQUATION**  
Kinetics of reaction of some chromium chloride hydrates, N. I. Nechayev, N. F. Zorich, D. P. Zosimovich, *Ukr. khim. zhurn.* 12 no 12 1273-1279 '66
- ARAB COUNTRIES—POLITICS**  
The meeting in Cairo, M. Kreimanov, *Nov. vrem.* 25 no 8 23-24 I '67
- ARABIA, SOUTHERN—POLITICS AND GOVERNMENT**  
The "three Adams" in the struggle, V. Rodianskii, *Sov. profsoyuz* 32 no 2 36-18 D '66
- ARABNOSE**  
Stability of the adaptation of the *Candida tropicalis* strain SD 5(B5) to L-arabinose, I. U. N. Karasovich, *Mikrobiolog. zhurn.* 31 no 2 241-244 M-Apr '62
- ARAL SEA REGION—GEOLOGY, STRUCTURAL**  
Recent sediments in eastern part of Aral Sea region and their relationship with tectonics, I. G. Kirukhin, I. U. M. Kleiner, S. O. Khondkarian, *Sov. geol.* 9 no 11 113-116 N '66
- ARAL SEA REGION—ROCKS, SEDIMENTARY**  
Recent sediments in eastern part of Aral Sea region and their relationship with tectonics, I. G. Kirukhin, I. U. M. Kleiner, S. O. Khondkarian, *Sov. geol.* 9 no 11 113-116 N '66
- ARBITRATION AND AWARD**  
(see also subdivision under Ukraine)  
"Admixtures" to arbitration procedure, G. Gustov, *Sov. iust.* 30 no 23 20-20 D '66  
Decisions of arbitration agencies, *Sots. zakon* 43 no 12 83-84 D '66  
The practice of arbitration agencies in taking into account the violation of obligations by the injured party, V. Pyzhikova, *Sov. iust.* 30 no 23 15 D '66  
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- ARBUZOV REARRANGEMENT** see Rearrangements (Chemistry)
- ARCHAEOLOGICAL RESEARCH** see subdivision under Tuva, A. S. S. R.
- ARCHAEOLOGY** see subdivision under Ossetia, North
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- ARCHANGEL—PETROLEUM PRODUCTS—STORAGE**  
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- ARCHANGEL—PETROLEUM PRODUCTS—TRANSPORTATION**  
The collective is fighting for the cause, N. Erman, *Neftnik* 11 no 11 6-8 N '66
- ARCHES**  
Critical stability of double arches, calculating in isotropic form, I. U. V. Krotov, *Izv. vys. ucheb. zav., stroit. i. tekhn.* 9 no 9 18-17 '66
- ARCHITECTURAL DECORATION AND ORNAMENT** see Decoration and ornament, Architectural
- ARCHITECTURAL DRAWING**  
Constructing certain curves, I. U. P. Sokolov, *Stroit. i. tekhn. Uzb.* 6 no 1 25-36 Ap '63
- ARCHITECTURAL MUSEUMS**  
Problem of use of gallery houses, R. S. Belvi, *Stroit. i. tekhn. Uzb.* 7 no 11 10-20, 25-27 N '66
- ARCHITECTURAL SOCIETIES**  
(see also subdivision under Moscow)  
In the presidium of the Board of the Architects Union of the U.S.S.R., *Arkh. SSR* no 7 62 '63
- ARCHITECTURE**  
(see also subdivision under Cuba; Kolonna; Leningrad; Lvov; Melnik; Bulgaria; Moscow; Rostov; Yaroslavl Province; Volodga)  
Conservative tendencies in contemporary western architecture, S. Khan-Magomedov, *Arkh. SSR* no 7 47-52 '63  
Graduation of architects from the Kirov Institute of Civil Engineering, V. Shevchenko, *Arkh. SSR* no 10 51-55 '66  
Great 50th anniversary, *Arkh. SSR* no 11 1-2 '66  
Great prospects for creativity, *Arkh. SSR* no 8 1-6 '66  
The high calling of Soviet architects, A. Butuzova, *Arkh. SSR* no 6 1-1 '63  
Holiday for Soviet Architecture, *Arkh. SSR* no 11 3-1 '66  
Problem of the new style in Russian architectural criticism of the beginning of the 20th century, A. Pashin, *Arkh. SSR* no 8 16-50 '66  
Tasks of architects in light of decisions of the 93d Congress of the CPSU, *Arkh. SSR* no 7 1-2 '66
- ARCHITECTURE—BIBLIOGRAPHY** see Bibliography—Architecture
- ARCHITECTURE—CONSERVATION AND RESTORATION**  
see subdivision under Moscow; Tallin; Uzbekistan
- ARCHITECTURE—DESIGNS AND PLANS**  
(see also subdivision under Moscow)  
The semiconductor institute, D. L. Gold, E. V. Kraskovich, *Stroit. i. tekhn. Len.* 25 no 9 14-15 S '63
- ARCHITECTURE—STUDY AND TEACHING** see subdivision under Brest
- ARCHITECTURE, ISLAMIC** see subdivision under Azerbaijan
- ARCHITECTURE AND CLIMATE**  
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Climate in city planning, V. Goryshkov, *Arkh. SSR* no 8 33-31 '66  
Methods of calculating exposure to solar radiation in municipal construction, V. Pivkin, *Arkh. SSR* no 8 32-33 '66  
Protecting high-rise buildings from atmospheric precipitation, I. Khusev, *Arkh. SSR* no 8 12-15 '66
- ARCHIVES**  
(see also subdivision under Grodno)  
Two collections of rolls of the Institute of Russian Literature (Pushkin House) of the Academy of Sciences of the U.S.S.R., A. S. Darmin, *Trudy OIRI* 18 158-161 '62
- ARCTIC FOX** see subdivision under Kamchatka; Siberia, Eastern
- ARCTIC FOXES AS CARRIERS OF DISEASE** see subdivision under Yamal Peninsula
- ARCTIC OCEAN—HYDROLOGY**  
Surface waters in the Arctic Basin, A. I. Tyvshnikov, *Probl. Arkt.* no 7 5-14 '60
- ARCTIC OCEAN—SOLAR RADIATION**  
Some characteristics of the radiation balance in the central Arctic, N. N. Andreeva, B. A. Piontchenkov, *Probl. Arkt.* no 7 79-80 '60







- ASH (TREE)** see subdivision under White Russia
- ASHKINABAD—FLIES**  
Some data on the ecology of the synanthropic flies of Ashkhabad and its vicinity. N. F. Zakharenko. Med. paraz. i parazit. bol. 31 no. 5 603-607 S-O '62
- ASHKINABAD—IONOSPHERE**  
Characteristics of the ionosphere over Ashkhabad in February 1960. V. M. Litvinov, Z. I. Litvinova, V. B. Stetsunova. Izv. AN Turk. SSR Ser. fiz.-mat. i tekhn. i geol. nauk no. 2 100-103 '64
- ASHKINABAD—IONOSPHERIC RADIO WAVE ABSORPTION**  
Radio wave absorption during the solar eclipse of February 15, 1961 as observed at Ashkhabad. D. Alla-lorajev, M. Shumamedov. Izv. AN Turk. SSR Ser. fiz.-mat. i tekhn. i geol. nauk no. 6 112-113 '62
- ASHKINABAD—IONOSPHERIC RESEARCH**  
State of the ionosphere over Ashkhabad in July-December 1960. V. B. Litvinov, V. D. Pugachenko, V. R. Stetsunova. Izv. AN Turk. SSR Ser. fiz.-mat. i tekhn. i geol. nauk no. 4 21-28 '62
- ASHKINABAD—STATISTICS, VITAL**  
The structure of the population of Ashkhabad in relation to its age and sex. G. Bakhmatova. Izv. AN Turk. SSR. Ser. obshchestven. i prirodn. nauch. no. 4 32-36 '66
- ASIA—BIBLIOGRAPHY**  
[New Soviet and foreign literature on the countries of Asia and Africa] Nov. sov. i inostr. lit. po stran Azii i Afr. no. 12 '66
- ASIA—BOTANY**  
Asia as a source of species. N. I. Vavilov. Rast. res. 2 no. 4 517-580 '66
- ASIA—MAPS**  
Recent cartographic materials on Asian and African countries. T. A. Melnikova. Nov. Otd. mat. geogr. i fiz. Geogr. obzr. SSSR no. 2 98-103 '62
- ASIA—PETROLEUM GEOLOGY**  
V. V. Churchev and the problem of the formation and oil potential of oil fields in Central and Middle Asia. Izv. AN Kazakh SSR. Ser. geol. nauk no. 6 7-9 '63
- ASIA—POLITICS**  
Characteristics of the present-day national liberation movement in Asia and Africa. M. Kh. Muratov. Trudy LPI no. 241 103-112 '66
- ASIA—WATER, UNDERGROUND**  
Underground waters in the countries of Asia and the Far East and problems of their utilization. A. A. Konoplin-tsev. Razv. i okhr. vod. 29 no. 3 58-62 '63
- ASIA, CENTRAL—INTESTINES—DISEASES**  
Bakhadyrov, K. B. [Clinical significance of enzymatic indices of the intestine in some of its diseases] Klinicheskie znachenie fermentnykh pokazatelei kishechnika pri nekotorykh ego zabolevaniyakh. Pod red. E. I. Aisphanova. Tashkent, Meditsina, 1966. 118 p. (DNLN)
- ASIA, SOUTHEASTERN—ETHNOLOGY**  
Akademii nauk SSSR, Institut etnografii. [Peoples of Southeastern Asia] Narody Yugo-Vostochnoi Azii. Pod red. A. A. Gubera i dr., 2. 2. 1. 1. Nauka, 1966. 761 p. (Narody mira. Etnograficheskie ocherki)
- ASIA, SOUTHEASTERN—SOIL FORMATION**  
Characteristics of some types of soil formation in mountain tropical regions of southeastern Asia. S. V. Zonn. Trudy Un. druzh. nar. 14 Ser. khim. i biol. nauk no. 1 3-26 '66
- ASIA, SOVIET CENTRAL** see Soviet Central Asia
- ASIATIC CHOLERA** see Cholera, Asiatic
- ASPARAGINES**  
Catalytic activity of asparaginase in solution and in the adsorbed state. A. I. Nikolaev. Biokhimiya 27 no. 5:843-848 S-O '62
- ASPARAGINE**  
Synthesis of DL-asparagine suitable for the production of  $N^{15}$ - and  $C^{14}$ -labeled asparagine. M. I. Lerman, S. R. Nardashev. Biokhimiya 27 no. 5:904-906 S-O '62
- ASPARTIC ACID**  
Effect of  $\beta$ -methylaspartic acid on the formation of urea in liver homogenates. I. S. Severina. Biokhimiya 27 no. 5:943-948 S-O '62
- ASPARTIC TRANSAMINASE**  
Effect of various coenzyme forms on the quaternary structure of succinylated aspartic transaminase. O. I. Polinovsky, V. I. Pikhelgas. Dokl. AN SSSR 171 no. 5 1221-1223 '66
- ASPERGILLUS**  
Respiration of mutants from the germs *Aspergillus* grown under the influence of ultraviolet rays. R. N. Grcheshova. Mikrobiologiya 31 no. 5 858-843 S-O '62
- ASPERGILLUS—CULTURES AND CULTURE MEDIA**  
Alanine dehydrogenase in *Aspergillus niger*. A. S. Demina, V. I. Iakovleva, V. L. Krutovich. Mikrobiologiya 35 no. 5 767-772 S-O '68
- Chlamydomonas* in *Aspergillus*. A. Volkova-Lepshinskaya, I. Koleshova-Krutoykhova. Mikrobiologiya 35 no. 5 773-770 S-O '66
- Variability of *Aspergillus niger* induced by combined effect of ethylenimine and ultraviolet rays. A. V. Ivanovskaya, L. A. Kurnikova. Mikrobiologiya 35 no. 5 812-816 S-O '66
- ASPHALT**  
Asphalt concretes with positive mixing. V. I. Mikhailov. Stroitel. mash. 8 no. 6 14-16 Je '63
- ASPHALT—PURIFICATION**  
Adsorptive and selective purification of high-viscosity components of asphalt. F. G. Khakimov and others. Khim. i tekhn. topk. i masel 11 no. 12 24-27 D '66
- ASPHALT CONCRETE—TESTING**  
Heating time of asphalt concrete specimens before testing. I. A. N. Fialov. Stroitel. mash. 29 no. 11 19-20 N '66
- Investigating structure formation of warm asphalt concrete by means of ultrasonics. I. U. N. Pitschik. Stroitel. mash. 29 no. 12 9-10 D '66
- Water permeability of asphalt concrete. L. R. Gerasimov, D. I. Guechik. Stroitel. mash. 29 no. 11 19-20 N '66
- ASPHALTENES**  
Formation of asphaltenes in oil and cracking residues when burning carbon dioxide in the atmosphere. V. A. Garbuzovskii, S. R. Seigienko. Izv. AN Turk. SSR Ser. fiz.-mat. i tekhn. i geol. nauk no. 2 15-20 '61
- ASPHYXIA**  
Clinical and morphological characteristics of acute oxygen starvation. M. I. Fedorov. Znan. nov. ipekh. 63 no. 1 19-26 '63
- ASPHYXIATING AND POISONOUS GASES** see Gases, Asphyxiating and poisonous
- ASSEMBLY-LINE METHODS**  
Automatic line of facing particle boards. B. P. Teleshov. Der. prom. 13 no. 12 18-20 D '66
- Automatic rotary assembly line of bushes for bushed roller chains. Inform. bul. VDNKH no. 8 13 Apr '62
- Establish proper conditions for high-speed production lines. P. S. Ibramov. Stroitel. mash. 29 no. 3 29-30 N '63
- Garbuzov, V. N. [Mechanization and automation of production in the knit goods industry; textbook for students of the advanced training faculty] Mekhanizatsiya i avtomatizatsiya proizvodstva v knitazhnoy promyshlennosti, uchebnoe posobie dlia slushatelei fakul'teta usoveshchestvovaniia. Moskva, Legk. i tekst. ind. 1966. 65 p. (MICROFILM)
- Gimelfarb, I. A., V. Saghman, and V. Iakovlev. [Large-panel apartment houses through high-speed continuous production methods] Krupnopanel'nye doma na skorostnom potoke. Alma-Ata, "Kazakhstan," 1965. 54 p. (Shkola peredovogo opyta)
- Mechanized line for continuous fabric piecing and cutting in the manufacture of bags. M. M. I. Iubyn'skiy, I. A. S. Shymkov. Lezh. prom. no. 2 5-6 Apr-Jc '62
- Patematic series of the production lines in breweries. R. I. Baikin. Spirt. prom. 29 no. 5 11-17 '62
- Rotary-type automatic line for the upsetting and stamping of motor valves. Inform. bul. VDNKH no. 9 9-10 S '62
- Semimatic line for varnishing and drying furniture panels. V. M. Nodul'man, I. M. Mel'nikov, A. I. Klyazhin. Lis. hosp., inzh. pap. i der. prom. no. 6 7-8 N-D '66
- Tsentral'nyi inst. lit. nauchno-tekhnicheskoi informatsii pishchev. i promyshlennosti. [Advanced work practices in the Lugansk Bakery No. 2] Peredovoi opyt raboty Luganskogo khlebozavoda No. 2. [By] I. M. Panashuk i dr. Moskva, 1965. 10 p. (MICROFILM)
- Vasil'ev, G. A. [Economic efficiency of automatic lines in machinery manufacturing] Ekonomicheskaya effektivnost' avtomaticheskikh liniy v mashinostroenii. Moskva, Mashinostroenie, 1966. 146 p.
- ASTHMA**  
Changes in the excretion of free catechol amines with the urine in children during bronchial asthma under the effect of subcutaneous introduction of adrenaline and noradrenaline. D. V. Kolesov. Trudy I-go MMI 43 66-71 '65
- ASTRAGALUS** see Milk vetch
- ASTRAKHAN—FLOUR MILLS**  
Production of third-grade barley groats at the Astrakhan Milling Combine. O. Katsladze. Muk. elev. prom. 32 no. 11 22 N '66
- ASTRAKHAN—SHIPYARDS**  
Readiness of the Astrakhan Kirov Shipyards for the transition to new working conditions. G. Taktarov. Ryb. khoz. 42 no. 11 71-73 '66
- ASTRODYNAMICS**  
Intermediate motion of bodies of variable mass in the classical mechanics. T. B. Omel'ov, I. I. Pavlov. Vest. AN Kazakh SSR 22 no. 10 52-61 O '66
- ASTRONAUTICS**  
Glory to the conquerors of outer space. Agitator no. 1 6-7 Ag '63
- A great triumph: an information note of the Telegraph Agency of the U. S. S. R. Agitator no. 16 1 Ag '64
- New brilliant achievement of the builders of communism. Agitator no. 16 8-10 Ag '62
- To the Communist Party and the peoples of the Soviet Union to the people and governments of all countries to enter progressive mankind. An appeal of the Central Committee of the CPSU, the Presidium of the Supreme Soviet of the U. S. S. R., and the Government of the Soviet Union. Agitator no. 16 1-5 Ag '63
- ASTRONAUTS**  
Deputies of the Presidium of the Supreme Soviet of the U. S. S. R. Agitator no. 16 7 Ag '63
- Umanskii, S. P. [Equipment of an air pilot and astronaut] Snaryazhenie letchika i kosmonavta. Moskva, Voenizdat, 1967. 191 p.
- ASTRONOMICAL PHOTOGRAPHY**  
Preliminary results of studying photographs of Mars taken by Mariner-1. V. A. Bronshteyn. Astron. zhurn. 13 no. 6 1261-1266 N-D '66
- ASTRONOMICAL PHOTOMETRY** see Photometry, Astronomical
- ASTRONOMY**  
Main astronomical phenomena in 1967. M. M. Daryev. Priroda 55 no. 12 104-113 '66
- Voronov-Vollaminov, B. A. [Advances in Soviet astronomy, 1917-1967] Uspekhi sovetskoi astronomii (1917-1967). Moskva, Znanie, 1967. 31 p. (Novaya zhizn', nauka, tekhnika. IX Seriya. Fizika i astronomiya, no. 1)
- ASTRONOMY—CHARTS, DIAGRAMS, ETC.**  
Barkhalova, K. A., and V. V. Syrovat. Atlas diagramm (svetlometicheskoe) zvezdykh skoplenii i asociatsii, Atlas of colour-magnitude diagrams for clusters and associations. Moskva, Astronomicheskii Sovet Akad. nauk SSSR, Pt. 2, 1963. 1 v. (MICROFILM)
- Star chart of the circumpolar zone of the northern hemisphere of the moon. V. V. Shevchenko. Izv. vuzov. uch. zap. i grad. i teol. no. 1 87-91 '63
- ASTRONOMY—PHILOSOPHY**  
The last antagonist of the heliocentric system in Russia and comments on his book. I. A. Dopunov. Uch. zap. i grad. i teol. no. 24 115-120 '65
- ASTRONOMY, SPHERICAL AND PRACTICAL**  
Determining time, longitude, latitude, and azimuth by the photoelectric method. I. A. Tsvetkov. Izv. vuzov. uch. zap. i grad. i teol. no. 1 73-86 '63
- ATAROV, TIGRAN SEMENOVICH, 1892-**  
T. S. Atarov, on his 75th birthday. Vost. deia. i ven. no. 12 70 '62
- ATAZIA**  
Effect of curvilinear preparations on the state of peripheral motor analyzer in aphasia. N. A. Kiyukova, V. V. Alkhin'skii. Zhurn. nevrol. i psikh. nauch. no. 1 175-176 '66
- ATHESM**  
(see also subdivision under Kara-Kalpak A.S.S.R.; Kazakhstan; Latvia)
- Atheistic motifs in the tales of Baktykov-Dzhochidin. N. V. Karlov. Uch. zap. Kaz. gos. ped. inst. 43 56-55 '65
- Dusmanis, G. [Answers to believers] Atbildes tiegajiem. Riga, Liesma, 1966. 180 p. [in Latvian]
- Clubs and religious people. V. Utkov. Agitator 31 no. 23 12-11 D '66
- For profound scientific development of present-day problems of atheism. A. P. Okulov. Vop. nauch. ateiz. no. 1 7-11 '66
- Islam and national traditions. E. Balramov. Agitator 31 no. 24 42-45 D '66
- A lecture hall at home. N. Rozenberg. Agitator 34 no. 23 13 D '66
- Man is born for the good. O. P. Dzh. Dzh. vop. 31 no. 12 16-20 D '66
- "More scientific methods should be used in fighting religion." I. Malakhova. Agitator 34 no. 1 63 Ja '67
- A "lover" of God. I. U. Opusov. V. mize knig. 6 no. 11 8 N '66
- Slown by the church. M. Nepilaklin. V. mize knig. 6 no. 11 8 N '66
- Subject of the theory of scientific atheism. N. A. Gorbachev. Vop. nauch. ateiz. no. 1 66-87 '66
- Those who were freed from the shackles of darkness. V. Chebuliankina. Mol. komm. no. 3 75-77 Mr '61

- ATHEISM—BIBLIOGRAPHY** see Bibliography—Atheism
- ATHEISM—EDUCATION**  
(see also subdivision under Lithuania)  
Searching for effective forms of atheistic work. S. M. Shubakov. Vop. nauch. tekh., no. 131-199 '66
- ATLANTIC OCEAN—CARP**  
Distribution of sea carp in southeastern Atlantic in 1964-1965. I. A. Trunov. Ryb. khoz. 12 no. 11 14-15 '66
- ATLANTIC OCEAN—FISHERIES**  
Fishing prospects for some bathypelagic fishes in North Atlantic. F. M. Prodanovskii. Ryb. khoz. 12 no. 11 4-7 '66
- ATLANTIC OCEAN—HERRING**  
Seasoning of salt Atlantic herring. L. P. Mindel, M. P. Semenov. Trudy. PINRO no. 1393-101 '62  
Technological characteristics of Atlantic herring. V. F. Zhandarov. Ryb. khoz. 12 no. 11 60-61 '66  
Weight and chemical composition of the Atlantic herring. L. P. Mindel, O. N. Udanova. Trudy. PINRO no. 1377-92 '62
- ATLANTIC OCEAN—MARINE SEDIMENTS**  
Terrigenous-volcanic minerals in recent sediments of northern Atlantic. I. I. Shurko. Dokl. AN SSSR 171 no. 2 161-163 N '66
- ATLANTIC OCEAN—MARINE SEDIMENTS—MAPS**  
Ground maps of northern part of Atlantic Ocean. M. V. Klenova, K. P. Savel'eva. Shor. st. X. razd. prog. MGG no. 15 131-150 '66
- ATLANTIC OCEAN—MINERALS**  
Terrigenous-volcanic minerals in recent sediments of northern Atlantic. I. I. Shurko. Dokl. AN SSSR 171 no. 2 161-163 N '66
- ATLANTIC OCEAN—OCEAN CURRENTS**  
Heat effect of cyclonic currents and cold streams in Atlantic Ocean. V. V. Shmelkin. Trudy. Mor. gidrofiz. inst. AN URSR 37 13-58 '66
- ATLANTIC OCEAN—OCEAN TEMPERATURE**  
Heat effect of cyclonic currents and cold streams in Atlantic Ocean. V. V. Shmelkin. Trudy. Mor. gidrofiz. inst. AN URSR 37 13-58 '66
- ATLANTIC OCEAN—OCEAN WAVES**  
Kashin, K. L. [Wave heights in the northern part of the Atlantic Ocean]. Vysoty voln v severnoi chasti Atlanticheskogo okeana. Moskva, Nauka, 1966. 84 p. (Akademika nauk SSSR. Mezhdunarodnyy geofizicheskiy komitet. X razd. programmy MGG. Okeanologiya. Sbornik statei, no. 16)
- ATLANTIC OCEAN—OCEANOGRAPHY**  
Characteristics of suspended matter in Atlantic Ocean. M. V. Klenova, V. M. Lavrov, V. K. Nikolaeva. Shor. st. X. razd. prog. MGG no. 15 118-123 '66
- ATLANTIC OCEAN—ORGANIC MATTER**  
Content of suspended organic matter in waters of tropical Atlantic and some quantitative relationships between its components. I. M. Surichenko, Z. Z. Pimenko. Okeanologiya 6 no. 5 835-840 '66
- ATLANTIC OCEAN—SUBMARINE GEOLOGY**  
New data on geology of Atlantic Ocean. M. V. Klenova. Shor. st. X. razd. prog. MGG no. 15 112-117 '66
- ATLANTIC OCEAN—TUNA**  
First experimental voyage of tuna fishing base "Solnechnyi luch" to tropical Atlantic. V. G. Litov. Ryb. khoz. 43 no. 11 49-51 '66
- ATMOSPHERE**  
(see also subdivision under Transcaucasia)  
Absorption of micro-radio waves in the air by water vapor dimers. A. A. Viktorova, S. A. Zhevakina. Dokl. AN SSSR 171 no. 5 1061-1063 N '66  
Free oxygen and carbon dioxide in the outer spheres of the earth. V. I. Vulfson. Izv. vuz. ucheb. zav. geol. i razv. 6 no. 6 3-8 Je '67  
Interpretation of fluxes of outgoing radiation. I. U. P. Duranin, I. V. Semenova. Trudy. ANII 277 5-10 '66  
Seasonal circulation and monthly weather forecasting. B. R. Ur'eva. Trudy. TSIP no. 154 3-17 '66  
Spectral absorption of long-wave radiation in atmosphere. A. P. Ungerson. Trudy. ANII 277 11-19 '66  
Statistical structure of some characteristics of atmospheric circulation. E. V. Aitkys, I. A. Dzhukin. Trudy. ANII 277 28-33 '66  
Stream of slow neutrons in atmosphere. V. D. Sokolov. Geomag. i aer. 6 no. 6 1107-1109 N-D '66  
Zonal circulation of the atmosphere. M. Kh. Baidal. Trudy. KazNIGAN no. 3 31-36 '54
- ATMOSPHERE—MICROBIOLOGY**  
Inertial traps for the microbiological studies of atmosphere. I. U. P. Bochkov, A. I. Voronova, V. I. Dunskii. Sol'khoz. biol. 1 no. 6 924-928 '66
- ATMOSPHERE, UPPER**  
(see also subdivision under Black Sea region)  
Height of gravity separation level. B. A. Mironov. Geomag. i aer. 6 no. 6 1015-1018 N-D '66  
Study of neutral hydrogen. V. G. But G. Vest. AN SSSR 36 no. 12 13-38 D '66
- ATMOSPHERIC NUCLEATION**  
(see also subdivision under Antarctic regions)  
Oriented crystallization (epitaxy) around isomeric condensation nuclei. G. M. Il'inskiy. Trudy. GGO no. 116 120-125 '66  
Photocatalytic crystallization of water drops of supercooled fog and cloudiness. V. V. Petrovich. Trudy. GGO no. 116 10-17 '66  
Role of capture coefficient in theory of coalescence growth of cloud droplets. I. U. A. Dvornik. Trudy. GGO no. 116 113-119 '66
- ATMOSPHERIC PRESSURE**  
(see also subdivision under Northern Hemisphere)  
Dynamic effect of atmospheric pressure disturbances on currents. S. S. I. upper. Dokl. AN SSSR 171 no. 5 1088-1091 D '66  
Dynamics of long waves and long-range weather forecasting. B. R. Ur'eva. Meteor. i gidrol. no. 12 18-36 D '66  
Relation between inclinations of the earth's surface and atmospheric pressure. N. N. Ionychev. Izv. AN Turk. SSR Ser. fiz.-tekh., khim. i geol. nauk no. 5 20-25 '62
- ATMOSPHERIC PRESSURE—PHYSIOLOGICAL EFFECT**  
Characteristics of training athletes under lower atmospheric pressure conditions. A. V. Sedov, A. N. Mazhin. Teori. i prakt. fiz. kul't. 29 no. 11 12-45 N '66  
Effect of the degree of myocardial hypertrophy in experimental heart defect on body resistance to altitude hypoxia. I. M. Rypin. Biol. eksp. biol. i med. 55 no. 5 37-40 May '66
- ATMOSPHERIC TEMPERATURE**  
(see also subdivision under Black Sea region, Caucasus; Georgia; Indian Ocean; Kyrgyz Reservoirs; Soviet Central Asia)  
By what means equilibrium temperature gradient, different from adiabatic is created. O. A. Dvornov. Meteor. i gidrol. no. 12 27-30 D '66  
Configuration of 15,500 fields over Northern Hemisphere and of temperature for forecasting over Soviet Union. Kh. Kh. Rafailova. Trudy. TSIP no. 151 31-40 '66  
Evaluation of time of resolution of instability. I. M. Lapeva. Trudy. VGI no. 3 117-150 '66  
Forecasting anomalies of mean air temperature for 5 day period using synoptic-statistical method. M. N. Gaidukov. Trudy. TSIP no. 154 62-65 '66  
[Handbook on the climate of the U.S.S.R.]. Spravochnik po klimatu SSSR. Leningrad, Gidrometeoizdat, No. 3. [Karelian A.S.S.R., Leningrad, Novgorod, and Pskov Provinces]. Karelskaya ASSR, Leningradskaya, Novgorodskaya i Pskovskaya oblasti.  
Pt. 2. [Atmospheric and soil temperature]. Temperatura vozdukh i pochvy. 1965. 312 p. No. 25. [Khabarovsk Territory and Amur Province]. Khabarovskii krai i Amurskaya oblast'.  
Pt. 2. [Atmospheric and soil temperature]. Temperatura vozdukh i pochvy. 1965. 312 p. No. 27. [Kamchatka Province]. Kamchatskaya oblast'.  
Pt. 2. [Atmospheric and soil temperature]. Temperatura vozdukh i pochvy. 1966. 181 p. No. 34. [Sakhalin Province]. Sakhalinskaya oblast'.  
Pt. 2. [Atmospheric and soil temperature]. Temperatura vozdukh i pochvy. 1966. 201 p.  
Inertia of air temperature of U.S.S.R. in different periods of solar activity. L. G. Borkhava, G. I. Turkovich. Trudy. TSIP no. 154 23-31 '66  
Method for forecasting anomalies of atmospheric temperature for 10-day period. A. I. Kata, V. I. Kniz'teva. Trudy. TSIP no. 154 47-58 '66  
Model of distribution of annual mean temperature in surface layer of earth's atmosphere. A. M. Gusev. Trudy. Mor. gidrofiz. inst. AN URSR 37 59-82 '66  
Polytropic properties of atmosphere. A. P. Nagurnyi. Trudy. ANII 277 99-107 '66  
Tendency toward twenty-seven-day frequency in temperature field of troposphere. R. V. Smirnov. Trudy. Mor. gidrofiz. inst. AN URSR 37 163-168 '66
- ATMOSPHERIC TURBULENCE**  
Clear air turbulence. I. G. Pchelko. Meteor. i gidrol. no. 12 10-16 D '66  
Effect of cosmic source motion on frequency spectrum of amplitude and phase fluctuations in turbulent atmosphere. G. I. Skrypnik. Izv. vuz. ucheb. zav., radiofiz. 9 no. 6 1085-1094 '66  
Fluctuations of arrival angle of light waves from extended source in turbulent atmosphere. M. A. Kollatratova, A. I. Kon. Izv. vuz. ucheb. zav., radiofiz. 9 no. 6 1100-1107 '66
- ATOMIC ENERGY—CONGRESSES**  
Symposium on low-temperature plasma generators. B. A. Uritskov. Atom. energ. 21 no. 6 523-525 D '66
- Symposium on radioactive waste disposal into seas, oceans, and surface waters. V. M. Vedenko, L. I. Gredanov, P. M. Chul'kov. Atom. energ. 21 no. 6 527-528 D '66
- ATOMIC MASS**  
Thermodynamic stability as a function of atomic mass. V. I. Semakovich, I. D. Vokladov. Zhur. fi. khim. 10 no. 11 2682-2685 N '66
- ATOMIC NUCLEI** see Nuclei, Atomic
- ATOMIC POWER PLANTS**  
Kuzovlev, G. M. [Special hydroelectric structures in atomic power plants]. Spetsial'nye gidroelektricheskie sooruzheniya na atomnykh predpriyatiyakh. Pod red. A. N. Konatovskogo. Moskva, Atomizdat, 1966. 282 p.
- ATOMIC SPECTRA**  
Theory of spectral line widening. V. V. Yakimets. Zhur. eksp. i teor. fiz. 51 no. 5 1169-1175 N '66
- ATOMIC THEORY**  
Byl'ko, N. D. [Physics]. Fizika. Moskva, Vysshaya shkola.  
Pts. 3/4. [Electricity. Optics and atomic structure]. Elektritshestvo. Optika i atomnaya struktura. Izd. 2. 1965. 316 p.
- ATOMS**  
Calculation of the internal diamagnetic field in atoms. V. S. Kozlov. Dokl. AN SSSR 6 no. 6 1673-1675 Je '62
- ATOMS—SCATTERING**  
Scattering of highly excited argon atoms on hydrogen and calculation of  $A_{12}$  lines. S. I. Kuz'minov. Zhur. eksp. i teor. fiz. 51 no. 4 1011-1013 O '66  
Theory of reflection of atoms from solid surfaces. T. S. Pavlyuk, N. I. Litavskiy. Izv. AN SSSR, Ser. fiz. 30 no. 12 1983-1985 D '66
- ATROPHY**  
State of the myon equilibrium in total atrophy of hypothalamic nuclei. V. R. Puzin, I. V. Muchaidze, V. S. Ostrov. Zhur. neurol. psikh. 66 no. 12 1769-1797 '66
- ATROPINE**  
Changes of the vision and ocular refraction in the process of neuromuscular adaptation in myopia. S. G. Muravlieva. Akush. med. zhur. 10 no. 3 23-28 Mr '64  
Effect of atropinization on refraction in myopic children. G. A. Lazleva. Akush. med. zhur. 10 no. 3 16-21 Mr '64
- ATTAR OF ROSES**  
Analysis of alcohols of rose oil by means of gas chromatography. T. A. Rindlov and others. Trudy. VNIISNDV no. 1 157-161 '63  
Ion exchange neutralization of eddic acid attar of roses of higher acidity. S. D. Kustova, I. I. Ilicheva. Trudy. VNIISNDV no. 7 120-131 '65
- AUDIO-VISUAL EDUCATION** see subdivision under United States
- AUDIOMETRY**  
Universal attachment to an audiometer and ophthalmoscope for the determination of visual and acoustic thresholds. V. V. Samonov and others. Zhur. vuz. neurol. 13 no. 1 758-759 31-Ag '63
- AUDITING AND INSPECTION**  
(see also subdivision under Czechoslovakia; Kemerovo Province)  
In the Board of Directors of the State Bank of the U.S.S.R. Dun. i kred. 24 no. 12 91 D '66  
[Manual for a people's controller]. Spravochnik narodnogo kontrolera. Izd. 2., Moskva, Politizdat, 1965. 327 p. (CAOTU) (MH) (MH-L)  
Significance of economic analysis in the approximate solution of some problems in optimal planning. F. F. Diderikhs. Ekon. i mat. metod. 2 no. 6 808-822 N-D '66
- AUDITING AND INSPECTION—CONGRESSES**  
Public bureau of economic analysis under the new conditions. Bukhg. uch. no. 11 77-78 N '66
- AUDITORIUMS—DESIGN AND CONSTRUCTION**  
Determining conditions of visual range in all-purpose halls of great capacity. I. Nazarenko. Arkhit. SSSR no. 12 31-35 '66
- AUGER EFFECT**  
Auger mechanism of electron emission from semiconductor and dielectrics. E. I. Tolpygo, K. B. Tolpygo, M. K. Shelnikman. Izv. AN SSSR, Ser. fiz. 30 no. 12 1801-1805 D '66
- AUN SAN, 1916-1947**  
Mozheiko, I. V. Aun San, Moskva, Molodina gvardiya, 1965. 237 p. (Zhizn' zamechatel'nykh liudel. Seriya, biografii, no. 6) (CAEU)



## AUTOMATIC CONTROL (Continued)

**Rzhevskiy, V. V.** [Technology, mechanization and automation of open-pit mining operations] Tekhnologiya, mekhanizatsiya i avtomatizatsiya proizvodstva i obrabotki gornykh razrabotok, Moskva, Nedra, 1966, 653 p.

Selecting automatic control system for steam power units on ships. E. V. Papisov, I. L. Eshel'shteyn. Izv. Vuzov. Tekhn. nauch. i tekhn. prom. 15:72-78 '62.

Single-stage systems absolutely stable in the Hurwitzian angle. N. M. Trukhan. Avtom. i telemekh. no. 11:73-7 '66.

**Savitskiy, A. I.** [Overall automation of the power plants of river steamboats] Kompleksnaya avtomatizatsiya stroykh ustanovok i tekhnicheskoy parokhodov. Moskva, Transport, 1966, 141 p.

Solution of M. Pelen's problem for systems with an unstable given part. M. G. Zolov, Avtom. i telemekh. no. 11:24-28 '66.

Some algorithms of optimum control. A. I. Boichukov. Vychisl. mat. (Kiev) no. 2:161-165 '66.

Stability criterion of discrete systems. D. N. Rozenvasser. Avtom. i telemekh. no. 12:58-66 '66.

Stability of the system of self-adjustment of weaving arc surfacing. I. R. Pol'shevich, Avtom. i telemekh. no. 12:43-47 '66.

Structural redundancy of a block of measuring converters in automatic control systems. V. G. Sidorov. Avtom. i telemekh. no. 13:21-25 '66.

Structural synthesis of composite control systems for nonlinear plants. V. V. Astrov, I. P. Smolov. Avtomatika II no. 6:4-6 '66.

Study of operator state signals. A. N. Lukhanov, M. V. Frolov. Avtomatika no. 3:101-111 '66.

Studying the characteristics of the numbers of failures of the ship's means of automation and electric equipment. H. A. Svetlikov. Trudy LVI no. 82:40-46 '65.

Universal nonlinear functional converter using a c. S. R. Rakhman. Avtomatika II no. 6:74-81 '66.

Using the method of mathematic modeling in investigating the dynamics of combined cyclic-control automatic control system of an atmospheric tubular furnace. I. P. Buzaginov, A. G. Ablov. Za tekhn. prog. 6 no. 12:11-14 '66.

## AUTOMATIC CONTROL—CONGRESSES

International conference on problems of electrical measurement of nonelectrical values and automatic control held in Karlsruhe-Stadt. A. M. Melnik-Shakhmatov. Avtomatika no. 3:131-132 '66.

Second Scientific and Technical Conference on Automatic Control. A. L. Frolov, V. P. Zhivoglyadov. Avtom. i telemekh. no. 12:156-158 '66.

Symposium on neurocybernetics held in Dubno. Kibernetika no. 6:99-101 N-D '66.

Twenty-first International Seminar "Usama-66." Avtom. i telemekh. no. 11:179-180 '66.

## AUTOMATIC CONTROL—PERIODICALS

Contents of the magazine "Kibernetika" for 1966. Kibernetika no. 6:102-103 N-D '66.

## AUTOMATIC MACHINERY see Machinery, Automatic

## AUTOMATIC PILOT (SHIPS)

Integral characteristics of the dynamic course-keeping stability of a ship steered by an automatic pilot. A. M. Basin, IU F. Ivannina. Trudy LVT no. 81:5-20 '65.

## AUTOMATIC TIMERS

Telemetering pumping unit operating time during intermittent exploitation. S. A. Alekhin, S. G. Kipnis. Mash. i elekt. obor. no. 9:31-33 '66.

## AUTOMATION

Automatic control of the acidity of circulating water. A. A. Grinavich, V. B. Karlovskiy, A. S. Kur'menko. Koks i khim. no. 12:37-38 '66.

Automatic line for processing central doors of closets. A. I. Kipnis. Bum. i der. prom. no. 3:7-10 XI-8 '62.

Automating speed control of train shunting on sorting humps. N. M. Fonarev and others. Zhel. dor. transp. 48 no. 10:33-35 O '66.

Conference on the automation of the production of synthetic rubber and synthetic alcohol. G. A. Markovich. Nauch. i tekhn. 21 no. 6:59 '62.

Determining chamber length during coal mining with KG-type cutter-loaders. R. T. Izrael'skiy. Ugol' 41 no. 12:31-34 D '66.

[Fundamentals of the mechanization and automation of production processes] Raznoznachnyy protsess mekhanizatsii na avtomatizatsionnykh pamyat' [By] K. Mucenelskiy i in. Riga, Liesma, 1966, 163 p. [In Latvian]

New automatic ticket-printing machine with change return. Zhel. dor. transp. 48 no. 11:81-82 N '66.

**Paupa, V.** [Economic efficiency of mechanization and automation in the machinery industry of the Latvian S.S.R.] Mekhanizatsiya na avtomatizatsionnu ekonomiska efektivitate Latvijas PSR masinbuvo, Riga, Zinatne, 1966, 55 p. [In Latvian]

**Rodionov, A. I.** [Automation of navigation] Avtomatizatsiya sudovozhdeniya. Moskva, Transport, 1966, 98 p. (Kursy usovershenstvovaniya plovoslova MMF)

Scientific session on automatic stopping units and equipment complex. R. V. Butkevich. Ugol' 41 no. 12:67 D '66.

## AUTOMATION—EXHIBITIONS

Exhibit of mechanization and automation of engineering and administrative work. V. I. Bushuev. Zhel. dor. transp. 48 no. 11:77-81 N '66.

Exhibition "Intergoskhuika-66." V. Aleksandrov. Zhi. stroy no. 12:25-26 '66.

Intergoskhuika-66. O. A. Lukin. Zh. stroy i arkhit. Uzb. 7 no. 11:12-12 N '66.

## AUTOMATION—SOCIAL ASPECTS

In the proletarian "Vozhishch" N. G. Gurner. Nov. vrem. 25 no. 3:5-7 Ja '67.

**AUTOMOBILE INDUSTRY** see subdivision under Tolyatti (Kuybyshev Province)

## AUTOMOBILE INDUSTRY—ACCOUNTING

Some problems in the further development of internal business accounting. M. V. Kunkin. Uch. zap. k. i. no. 11:79-81 '66.

**AUTOMOBILE INDUSTRY—MANAGEMENT** see subdivision under Mogilev

## AUTOMOBILE INDUSTRY—PRODUCTION STANDARDS

There is need for an efficient system of development and introduction of work norms. P. Katsura, B. Kuznetsov. Sov. iuzh. 11 no. 12:107-111 D '66.

**AUTOMOBILE INDUSTRY—SAFETY MEASURES** see subdivision under Gorkiy

**AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING** see subdivision under Gorkiy

## AUTOMOBILES—ENGINES

Modernizing the engine cooling system of the "Volga" automobile. IU. M. Morozov, M. Kozlov. Avt. transp. 11 no. 12:14-15 D '66.

## AUTOMOBILES—MAINTENANCE AND REPAIR

Zapozhki avtomobil'nykh zavod "Komunar." [The ZAZ-966 V "Zapozhki" model ZAZ-966 V, nuko-vodstvo po ekspluatatsii. Izd. 1. Dnepropetrovsk, Promin, 1966, 208 p.]

## AUTOMOBILES—TIRES

Wearing down of automobile tires in relation to slope of road along roadbed, comparison of varying types of highways. S. B. Nikitin. Izv. vyz. ucheb. zvez. stroy i arkhit. 9 no. 9:107-112 '66.

**AUTOMOTIVE TRANSPORTATION** see Transportation, Automotive

## AUTONOMIC DRUGS

Experience in the use of neuroleptic substances in chronic progressive chorea (Huntington's chorea). Zh. nev. i psikh. 63 no. 1:96-102 '63.

Experimental clinical study of the effect of some ganglion blocking and vegetative preparations on the dynamics of eye refraction. IU. Kh. Musabekli, K. A. Adigezalova. Polchueva. Azerb. med. zh. no. 3:11-16 M '62.

Factor of phases and periodicity in the course of psychoses during therapy with neuroleptics. S. G. Zhislina. Zh. nev. i psikh. 63 no. 1:66-71 '63.

Treatment of schizophrenia with neuroleptic "waves." G. I. Zaitseva, G. N. Lenevskiy, V. E. Vetsener. Zh. nev. i psikh. 63 no. 1:100-111 '63.

**AUTONOMIC NERVOUS SYSTEM** see Nervous system, Autonomic

## AUTORADIOGRAPHY

Authoradiographic method for the determination of specific radioactivity of soluble tissue proteins. R. V. Chugovova, A. A. Dushakova. Lab. delo no. 146 '67.

Authoradiographic study of mitotic cycle in normal fibroblast culture of mice. I. V. Erofeeva. Tsitologiya 8 no. 5:606-615 S-O '66.

Methodology for the excision of a portion of the myocardium in a determined phase of the cardiac cycle for subsequent biohistochemical and autoradiographic examination. A. N. Medvedevskiy, and others. Fiziol. zh. 48 no. 10:1277-1279 O '62.

## AVACHA VALLEY—GEOLOGY, STRUCTURAL

Recent tectonics in the basins of the Avacha, Gavanka, and Nalacheva Rivers. S. E. Aprelov. Vop. geol. Konech. no. 3:75-81 '65.

## AVALANCHES

(see also subdivision under Angren Valley; Kamchatka; Tien Shan; Transcaucasia)

Calculation of stability of snow cover on slopes and determination of speed of moving snow avalanches. IU. D. Moskatov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27:142-150 '66.

Program for calculation of speed of movement of trough avalanches according to S. M. Kosik's formulas. M. K. El'mov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27:110-112 '66.

## AVAN (ARMENIA)—SALT MINES AND MINING

Change the working system of Avan salt mine. G. Lavinian, P. Sargsian. Prom. Arm. 9 no. 10:75-88 '66.

## AVAR POETRY—HISTORY AND CRITICISM

**Khabullayev, S. M.** [Folk sources of Avar poetry] Narodnye istochniki avarskoy poezii. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1966, 50 p.

## AVARICE

In the "Zarechenskii Khim" section, a sketch. VI. Gusev. Agitator. no. 10:51-57 Ag '62.

## AVDEYEVKA-PERVAYA (UKRAINE)—COKE INDUSTRY—WATER SUPPLY

Automatic control of the acidity of circulating water. A. A. Grinavich, V. B. Karlovskiy, A. S. Kur'menko. Koks i khim. no. 12:37-38 '66.

## AVIAN LEUKOSIS

Avian leukosis. I. I. Kas'yanenko. Veterinaria 13 no. 11:27-28 N '66.

Relation of Marek's disease to avian leukosis. I. I. Kas'yanenko, V. P. Ivanov. Veterinaria 13 no. 11:13-14 Ja '67.

**AVITAMINOSIS** see Deficiency diseases

## AVVAKUM, PROTOPOPE, 1621-1682

Archpriest Avvakum in oral legends of Transbaikalia. L. E. Elisev. Trudy ODRL 18:351-363 '62.

Avvakum's works and social movements at the end of the 17th century. A. N. Robinson. Trudy ODRL 18:119-175 '62.

History of the "iconographic" representation of Protopope Avvakum. V. I. Malyshev. Trudy ODRL 22:382-401 '66.

Ideology and appearance, Avvakum's views on fine art. A. N. Robinson. Trudy ODRL 22:353-361 '66.

Observations of the landscape in the "Life of Protopope Avvakum." A. S. Damin. Trudy ODRL 22:102-106 '66.

Works of Old Russian writing in Avvakum's compositions. N. S. Sarafanova. Trudy ODRL 10:329-330 '62.

## AXOLOTLIS

Changes in sulfhydryl group content in extracellular tissue of axolotls following inhibition of their regenerative capacity by X-ray irradiation and its restoration. N. A. Topilko, S. P. Kulina. Dokl. AN SSSR 171 no. 5:1209-1212 D '66.

## AYKHAL (YAKUTIA)—CITY PLANNING

Housing complex for the Far North. A. Fedorov. Arkhit. SSSR no. 6:26-29 '63.

## AZAGUANINE

Effect of 8-azaguanine on nucleic acid content in organs of irradiated rats. V. I. Shtakov. Uch. biokhim. zh. 38 no. 5:599-601 '66.

## AZEPINONE

Quantitative and qualitative method for determining caprolactam with a base of picryl chloride. K. A. Kornev, R. V. Volkovskiy, A. F. Fainerman. Khim. prom. (Ukr.) no. 3:60-62 XI-5 '62.

## AZERBAIJAN—ARCHITECTURE, ISLAMIC

**Breitenfeldt, L. S.** [Azerbaijani architecture of the 12th-15th centuries and its role in the architecture of the Near East] Zuchestvo Azerbaidzhan XII-XV vv. i ego mesto v arkhitekture Perednego Vostoka. Moskva, Nauka, 1966, 556 p., illus.

## AZERBAIJAN—BITS (DRILLING AND BORING)

Results of using bits of various shapes at the Gyunushlug mine. Sh. N. Mamedov, M. P. Nuriev. Za tekhn. prog. 6 no. 12:36-38 D '66.

## AZERBAIJAN—BITUMEN—GEOLOGY

Characteristics of bitumen content changes in Neocomian deposits of Khiz syncline in connection with its geologic structure. G. A. Akhmedov, G. -M. A. Aliev, V. G. Bezenov. Azerb. neft. khim. 15 no. 12:1-3 D '65.

## AZERBAIJAN—CANNING INDUSTRY

Outlook for the development and distribution of the canning industry in the Azerbaijan S.S.R. M. S. Shit'kov, M. A. Rustamov. Za tekhn. prog. 6 no. 12:42-44 D '66.

## AZERBAIJAN—CASTLES

Enykh Castle. Dzh. A. Khalilov. Dokl. AN Azerb. SSR 10 no. 4:93-97 '62.

## AZERBAIJAN—CERAMICS

Study of building ceramics of Azerbaijan. N. A. Sarkisov. Dokl. AN Azerb. SSR 10 no. 4:99-102 '62.

## AZERBAIJAN—CLIMATE

Synoptic and climatic regionalization of Azerbaijan. A. A. Madatov, Izv. AN Azerb. SSR, Ser. nauk o zem. no. 4:130-146 '66.



## AZEIRBAIJAN—COLLECTIVE FARMS

**Atley, Kh., and Kh. Alimirov.** [From the history of the collectivization of the agriculture of Azerbaijan, 1930-1944] Iz istorii kollektivizatsii sel'skogo khoziaistva Azerbaidzhana, 1930-1944 gg. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1957. 271 p. [In Azerbaijani] (InU)

## AZEIRBAIJAN—EARTH TEMPERATURE

New data on geothermal studies in Azerbaijan. A. B. Ibrahimov and others. Dokl. AN Azerb. SSR 18 no. 1 15-16 '62

## AZEIRBAIJAN—EDUCATION, HIGHER

Higher education in Soviet Azerbaijan. S. M. Mustafayev. Vest. vyssh. shkol. 41 no. 12, 69-73 D '66.

## AZEIRBAIJAN—EPIDEMIOLOGICAL RESEARCH

Fundamental stages of the scientific activity of the Institute of Epidemiology and Microbiology of the Ministry of Public Health of the Azerbaijan S.S.R. during the past 30 years. 1932-1962. B. I. Akhundov. Azerb. med. zhur. no. 8 10 Ag '62

## AZEIRBAIJAN—FORAMINIFERA, FOSSIL

1. Inhabitant of Miocene sediments in the western Azerbaijan. I. D. Mustafayev. Izv. AN Azerb. SSR Ser. nauk o zem. no. 1 16-23 '66

## AZEIRBAIJAN—GAS AS FUEL

Economic efficiency in the use of gas as fuel in the industry of Azerbaijan. R. A. Samadov. Azerb. med. zhur. 12 no. 5 16-17 My '63.

## AZEIRBAIJAN—GEOLOGY, STRUCTURAL

**Akhmedjeli, F. S.** [Recent tectonics of the eastern part of the Greater Caucasus, on the borders of Azerbaijan] Neotektonika i sostoiashchiesia Bol'shogo Kavkaza, v predelakh Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 200 p.

## AZEIRBAIJAN—GLASSWARE, ANCIENT

A glass cup discovered in Khrysaly. A. V. Nuriev. Dokl. AN Azerb. SSR 18 no. 1 89-91 '62

## AZEIRBAIJAN—HAWTHORN—THERAPEUTIC USE

Use of the hawthorn Crataegus pentagyna growing in Azerbaijan in hypotension. T. V. Dzharov. Azerb. med. zhur. 40 no. 2 41-45 T '63

## AZEIRBAIJAN—HELMINTHOLOGY—BIBLIOGRAPHY

Bibliographic index of medical helminthology in Azerbaijan from 1876 to 1962. G. S. Kasimov, Sh. A. Makhmudova. Azerb. med. zhur. 40 no. 1 106-109 Ap '63.

## AZEIRBAIJAN—HYDROCARBONS—ANALYSIS

Analyzing the aromatic and cycloparane hydrocarbons in gasoline fractions from the oils of Pechanys Island and Karadag. A. B. Nakhov, G. G. Avsharov. Azerb. med. zhur. 12 no. 7 16-17 Ji '63

## AZEIRBAIJAN—ILLUSTRATION OF BOOKS

**Kaziev, A. I.** [Artistic and technical materials and terminology of medieval book painting, calligraphy, and book-cover art] Khudozhestvenno-tekhnicheskie materialy i terminologiya srednovekovykh knizhnoi zhivotpisli, kalligrafii i perepishnogo iskustva. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 132 p.

## AZEIRBAIJAN—INDUSTRIES

Industrial power of a republic. V. Akhmedov. Agitator 31 no. 23 10-15 D '66.

## AZEIRBAIJAN—INDUSTRIES—BIBLIOGRAPHY

Azerbaidzhanskaja respublikanskaja biblioteka. [The industry of Azerbaijan] Promyshlennost' Azerbaidzhana. Baku, 1966. 18 p. (Chito chitat' of Azerbaidzhane, no. 4)

(InU)

## AZEIRBAIJAN—LEPTOSPIRA

Separation of a new serotype of Leptospira in Azerbaijan. T. A. Tagirzade. Dokl. AN Azerb. SSR 18 no. 4 81-87 '62

## AZEIRBAIJAN—MATERIA MEDICA, VEGETABLE

Possibility of the use of local raw material for the pharmaceutical industry. I. A. Damirov. Azerb. med. zhur. no. 3 67-70 Ji '62

## AZEIRBAIJAN—METASOMATISM

Calculation of metasomatic reactions of skarn formation in the Kedahek intrusive, as revealed by study made in Veruzhanovaya hill. S. A. Makhmudov. Izv. AN Azerb. SSR Ser. nauk o zem. no. 4 57-61 '66

## AZEIRBAIJAN—MINERALOGY

Distribution of vanadium, chromium, nickel, and copper in rocks of Molokop series in Azerbaijan in relation to mineral composition. A. D. Ismailian. Azerb. med. zhur. 45 no. 9 8-9 S '66

## AZEIRBAIJAN—MINERALS

Accessary minerals of granite-syenite intrusive in Megri-Ordubad batholith (southwestern part). E. F. Volfenzon. Izv. AN Azerb. SSR Ser. nauk o zem. no. 4 14-18 '66

## AZEIRBAIJAN—MOTHERWORT

Motherwort growing in Azerbaijan and used as a hypotensive agent in hypertension treatment. F. A. Mustafayev. Azerb. med. zhur. no. 3 21-28 Ji '62

## AZEIRBAIJAN—ORE DEPOSITS

Chalcophilic ores of metallogenetic specialization of the Ordubad intrusive. S. A. Bektayev. I. D. Osipov. Izv. AN Azerb. SSR Ser. nauk o zem. no. 1 30-35 '66

## AZEIRBAIJAN—PERSIMMON—GRAFTING

Budding and grafting of persimmon. Z. M. Gasanov. Subtrop. frukt. no. 3 106-112 '66

## AZEIRBAIJAN—PETROLEUM PRODUCTION—COSTS

Certain economic indices in the development of petroleum production in Azerbaijan. I. M. Asadov, V. P. Knaftman. Azerb. med. zhur. 42 no. 7 1 3 Ji '63

## AZEIRBAIJAN—PETROLEUM WORKERS

State of the work enterprise in the year 1967. N. Saponov. Naftnik 11 no. 111-12 N '66

## AZEIRBAIJAN—PIPE MILLS—VENTILATION

Gas removal from air ducts. I. A. Uzun, I. U. V. Gubulev. Lat. prof. no. 12 33 D '66

## AZEIRBAIJAN—PSYCHIATRY

Some materials on the history of psychiatry in Azerbaijan. A. A. Akhmedov. Azerb. med. zhur. no. 3 76-82 Ji '62

## AZEIRBAIJAN—RADIO AND MUSIC

"Day of music for radio audiences." B. Rakhlin. Sov. radio tel. 8 no. 3 28 '60

## AZEIRBAIJAN—ROCKS, SEDIMENTARY—TESTING

Longitudinal wave velocities in sedimentary rocks of Azerbaijan, under hydrostatic pressures of up to 3,000 kg/cm<sup>2</sup>. M. P. Volovitch and others. Trudy Inst. fiz. Zem. no. 37 130-139 '66

## AZEIRBAIJAN—RURAL PLANNING

Problems of reconstruction of settlements in Azerbaijan. R. Buzlov. Arkhiv. SSR no. 11 13-16 '66

## AZEIRBAIJAN—SAVINGS BANKS

For high standards in services to the population. I. Akhundov. Den. i kred. 24 no. 12 62-65 D '66

## AZEIRBAIJAN—SCHLIEREN

Xenoliths and schlierens of the solution of adamellite intrusive of the Megri-Ordubad batholith. Sh. A. Arizbekov, E. N. Emeljanova. Dokl. AN Azerb. SSR 18 no. 4 119-121 '62

## AZEIRBAIJAN—SILKWORMS

Amino acid metabolism in silkworm species of different productivities. I. U. B. Filippovich, V. G. Bungova. Pribl. biokhim. i mikrobiol. 2 no. 6 725-729 N-D '66

## AZEIRBAIJAN—SKARNS

Calculation of metasomatic reactions of skarn formation in the Kedahek intrusive, as revealed by study made in Veruzhanovaya hill. S. A. Makhmudov. Izv. AN Azerb. SSR Ser. nauk o zem. no. 4 57-61 '66

## AZEIRBAIJAN—TECHNOLOGICAL INNOVATIONS

Technical suggestions. A. Sashin. Izobret. i izn. no. 12 23 '66

## AZEIRBAIJAN—TUBERCULOSIS—CONGRESSES

Third Republic Conference on Tuberculosis in the Azerbaijan S.S.R. A. D. Naimanov. IS. M. Baklanov. Azerb. med. zhur. no. 7 76-79 Ji '62

## AZEIRBAIJAN—TYPHOID FEVER

Characteristics of the epidemiological properties and the clinical course of typhoid fever from data of the republic. M. G. Safarellbekov, R. S. Khamukava, Sh. A. Begimbekov. Azerb. med. zhur. 40 no. 4 88-92 Ap '63

## AZEIRBAIJAN—VETERINARY MEDICINE

Socialist obligation. Veterinarija 43 no. 1 5 Ja '61.

## AZEIRBAIJAN—WHEAT

History of the growing of wheat in Azerbaijan. G. I. Abduragimov. Sbor. trid. asp. i mol. nauch. sotr. VIR no. 2 8-17 '61.

## AZEIRBAIJAN—WHEAT—VARIETIES

Studying the malleable character of the varietal populations of wheat according to the length of their vernalization stage. G. I. Abduragimov. Sbor. trid. asp. i mol. nauch. sotr. VIR no. 2 4-8 '61.

## AZEIRBAIJAN—WINTER

Contrasts of Azerbaijan winter. N. N. Drozdov. Piroda 55 no. 12 106-107 '66

## AZEIRBAIJAN—XENOLITHS

Xenoliths and schlierens of the solution of adamellite intrusive of the Megri-Ordubad batholith. Sh. A. Arizbekov, E. N. Emeljanova. Dokl. AN Azerb. SSR 18 no. 4 119-121 '62

## AZEIRBAIJANI COMPOSERS see Composers, Azerbaijani

## AZEIRBAIJANI DRAMA—HISTORY AND CRITICISM see subdivisions under Drama

## AZINES

Synthesizing and studying certain regularities of the reaction of the formation of polymers. I. U. V. Korshak, T. A. Piontsev, B. I. Davydov. Neftekhimika 3 no. 3 77-82 S-O '61

## AZIRIDNE—PHYSIOLOGICAL EFFECT

N, N'-methyl-bis-ethylendiamine and its various biological properties. L. B. Borisov and others. Bul. eksp. biol. i med. 53 no. 6 76-79 Je '63

## AZO COMPOUNDS

Pyridyl azo compounds as reagents for Indium. Report No. 3. Complementary and spectrophotometric determination of indium with bis-azo derivatives of pyridyl-azobenzene. S. I. Gusev, E. M. Nikolaeva. Zhur. anal. khim. 21 no. 10 1183-1190 '66

Spectrophotometric study of some oxyazo compounds as reagents for scandium. A. I. Busev, G. L. Lina, N. N. Basargin. Zhur. anal. khim. 21 no. 12 1414-1419 '66

Study of complex formation in the solutions of some azo derivatives of  $\alpha$ -hydroxyphenylthio acid. N. A. Mikhina, L. I. Kuliev. Zhur. VKhO 11 no. 6 706-707 '66

## AZO DYES

Effect of the medium on orientation in azo coupling. Part 1. Coupling with  $\alpha$ -naphthol. L. N. Ogolova, B. I. Stepanov. Trudy MKhIT no. 42 41-48 '63

Effect of the medium on orientation in azo coupling. Part 2. Coupling with resorcinol. L. N. Ogolova, B. I. Stepanov. Trudy MKhIT no. 42 49-52 '63

## AZOTOBACTER

Distribution and nitrogen-fixing activity of Azotobacter in some types of soil. V. G. Nepomiluev, L. L. Shishov. Mikrobiologiya 31 no. 2 294-300 Mh-Ap '62

Effect of X-rays on the metabolism of free nucleotides and on enzymes of the nucleic acid metabolism in Azotobacter agilis 21-D. G. N. Zaitseva, A. N. Belozerskii. Mikrobiologiya 31 no. 2 209-215 Mh-Ap '62

Isolation and study of iron-containing protein of non-hemoglobin nature from Azotobacter vinelandii. V. A. Iakovlev, L. A. Syrtsova, L. V. Vorobiev. Dokl. AN SSSR 171 no. 2 177-180 N '66

Role of azotobacterin in the formation of rice crop. Sh. T. Sheyda. Trudy in druzh. nar. 14. Ser. fiz. nauk 1 no. 1 125-131 '66

Salt-resistant Azotobacter. G. N. Blukov. Mikrobiologiya 31 no. 5 880-883 S-O '62

Study of the nature of symbiotic relationships among Azotobacter, phosphorus and silicate bacteria in vitro. I. M. Mchalev. Mikrobiol. zhur. 28 no. 6 59-62 '66

## AZOTOBACTER—CULTURES AND CULTURE MEDIA

Effect of filtrates of culture fluid of Azotobacter agilis and Azotobacter vinelandii on fixation of atmospheric nitrogen. N. A. Samadov. Mikrobiologiya 31 no. 5 880-883 S-O '62

Hydrogenase and succinate dehydrogenase in Azotobacter vinelandii and their relation to nitrogen fixation. V. A. Iakovlev, L. A. Syrtsova, Dokl. AN SSSR 171 no. 3 1221-1226 D '66

## AZOV SEA REGION—CHLORITES

Chlorites containing nickel from ultrabasic rocks of the western part of region of Sea of Azov. V. V. Bakharev. Dop. AN URSR no. 11 1488-1490 '66

## AZOV SEA REGION—GEOCHEMISTRY

Geochemical characteristics of granitoids altered by metasomatism in region of Sea of Azov. I. K. Pustenko, A. A. Sitin, A. F. Lavrenko. Sov. geol. 9 no. 12 81-88 D '66

## AZOV SEA REGION—GRANITE

Geochemical characteristics of granitoids altered by metasomatism in region of Sea of Azov. I. K. Pustenko, A. A. Sitin, A. F. Lavrenko. Sov. geol. 9 no. 12 81-88 D '66

## AZOV SEA REGION—NICKEL

Chlorites containing nickel from ultrabasic rocks of the western part of region of Sea of Azov. V. V. Bakharev. Dop. AN URSR no. 11 1488-1490 '66

## BACKACHE

Lumbar diskalgia. A. I. Oyna, Zhur. nevro i psikh. 63 no. 1 81-86 '63

## BACTERIA

Mutagenesis induced by the action of chemicals on isolated deoxyribonucleic acid and the transformation of bacteria. S. E. Bresler, D. A. Perumov. Biokhimiya 27 no. 5 927-937 S-O '62

## BACTERIA, AEROBIC—CULTURES AND CULTURE MEDIA

Characteristics of enzymes of Bacillus mesentericus strain PB. A. A. Iulius, O. Kh. Timakova. Prikl. biokhim. i mikrobiol. 2 no. 6 670-674 N-D '66

**BACTERIA, AEROBIC—CULTURES AND CULTURE MEDIA (Continued)**

Dissociation of *Bacillus brevis* var. GB in presence of amino acids. G. G. Zhuravskaya. Vest. Mosk. un. Ser. 6 Biol., poch. 21 no. 100-88. 31-34 '68.

Effect of aeration on vital activity of microorganisms. I. A. Khachatryan, I. S. Koshchuk. Prikl. biokhim. i mikrobiol. 2 no. 6 711-724. N-D '66.

Effect of gramicidin C on phosphorus metabolism of *Bacillus brevis* G-B. V. M. Glazov, S. A. Silavskaya, S. V. Shestakov. Biokhimiya 31 no. 6 1135-1141. N-D '66.

Study of the physiology of metabolism and morphology of *Bacillus brevis* var. G-B, as related to the biosynthesis of gramicidin-C. V. V. Kozhanchikov. Mikrobiologiya 31 no. 5 820-826. S-O '67.

**BACTERIA, ANAEROBIC—CULTURES AND CULTURE MEDIA**

Ultrastructure of the outgrowth on the surface of spores of anaerobic bacteria. N. A. Kravtchenko, V. I. Dudka. Dokl. AN SSSR 171 no. 5 1106-1107. D '66.

**BACTERIA, AUTOTROPHIC—CULTURES AND CULTURE MEDIA**

Effect of thermal inactivation on the differential absorption spectra of purple photosynthesizing bacteria. N. V. Krasovskaya, I. N. Khadimova. Dokl. AN SSSR 171 no. 5 1201-1204. D '66.

**BACTERIA, EFFECT OF DRUGS ON**

Dynamics of the sensitivity of staphylococci to antibiotics in pyodermitis. S. I. Dovzhanov, I. V. Medvedeva. Vest. dermat. ven. 12, 33-36 '62.

**BACTERIA, METHANE-PRODUCING—CULTURES AND CULTURE MEDIA**

Study of growth promoting substances contained in the biomass of thermophilic methane bacteria. Report No. 2. E. D. Mikheev, V. G. Prokofyeva, N. N. Eliseeva. Prikl. biokhim. i mikrobiol. 2 no. 6 687-690. N-D '66.

**BACTERIA, PATHOGENIC**

Biological activity of the polysaccharide, glucan. G. F. Volsky and others. Biol. eksp. biol. i med. 45 no. 6: 81-87. Je '63.

Production and use of bacteromycin for detoxification. D. P. Ponomarev. Veterinariya 13 no. 11, 90-91. N '66.

Studying the antigenic structure of bacteria used in detoxification. N. A. Popov. Veterinariya 13 no. 11: 87-90. N '66.

**BACTERIA, PHOSPHORUS**

Study of the nature of symbiotic relationships among Azotobacter, phosphorus and silicate bacteria in vitro. I. U. M. Mochalov. Mikrobiol. zhur. 28 no. 6 559-562 '66.

**BACTERIA, PHYTOPATHOGENIC**

Agents of mucous bacteriosis of cabbage and their biology. I. V. Voronchevich. Sel'khoz. biol. 1 no. 6: 855-867 '66.

Fraximycin effect on phytopathogenic bacteria in vitro. K. H. Bel'dukhova, I. B. Koshchukova, V. I. Samoilenko. Mikrobiol. zhur. 28 no. 6 111-116 '66.

**BACTERIA, SILICATE**

Study of the nature of symbiotic relationships among Azotobacter, phosphorus and silicate bacteria in vitro. I. U. M. Mochalov. Mikrobiol. zhur. 28 no. 6: 559-562 '66.

**BACTERIA, SPOREFORMING**

Mineralization of nucleic acid by sporeforming microorganisms. M. T. Kvaratskheli, V. L. Bel'maya. Mikrobiologiya 31 no. 2: 216-220. M-Apr '62.

Susceptibility of the larvae of *Bacillus larva* White to antibiotics. A. Fulevich, M. Zakhachevskaya. Veterinariya 43 no. 11: 2 Ja '67.

**BACTERIA, SULFUR**  
(see also subdivision under Sernoye, Larko)

Carbon metabolism by the purple sulfur bacterium *Chlorothrix vicosum*. L. K. Gantakala, V. I. Chudina. Mikrobiologiya 31 no. 5: 769-773. S-O '62.

Chemical and biological oxidation of sulfur under laboratory conditions. G. I. Koravayko. Mikrobiologiya 31 no. 2: 328-331. M-Apr '62.

Formation of chlorophyll by purple and green bacteria during their photoautotrophic and photoheterotrophic development. L. V. Moshentseva, E. N. Kondratyeva. Mikrobiologiya 31 no. 2: 199-202. M-Apr '62.

New species of purple sulfur bacteria *Thiopedia savani* (n. sp.). M. E. Gumbartian. Mikrobiologiya 31 no. 2: 202-203. M-Apr '62.

**BACTERIA, SULFUR—CULTURES AND CULTURE MEDIA**

Atmospheric nitrogen fixation by purple sulfur bacteria during growth on mineral and organic media. I. A. Khachatryan, I. S. Koshchuk. Prikl. biokhim. i mikrobiol. 2 no. 6 711-724. N-D '66.

Effect of some factors on iron oxidation by *Thiobacillus ferrooxidans* cultures. V. I. Ivanov. Mikrobiologiya 31 no. 3: 795-799. S-O '62.

**BACTERIA, THERMOPHILIC—CULTURES AND CULTURE MEDIA**

Thermophilic bacteria, producing active cellulolytic enzymes. L. G. Logvinova, R. S. Golovacheva, M. A. Sheherbakov. Mikrobiologiya 35 no. 5: 796-804. S-O '66.

**BACTERIOIDES**

Bacterioid effect of sodium metasilicate, preliminary report. I. A. Shukhman. Zhur. mikrobiol., epid. i immun. 33 no. 6 119-121. Je '62.

Study of antibacterial properties of the complex collagen with antibiotics in vitro, preliminary report. A. B. Shchegolev and others. Izv. AN SSSR 19 288-293 '66.

Synthesis and properties of biologically active copolymers of maleic anhydride with arginine and lead monomer. D. I. Korovin and others. Vest. AN Kazakh SSR 22 no. 10 15-32. O '66.

**BACTERIOLOGY**

Some problems in the methodology of infrared spectroscopy of microorganisms. R. S. Vasil', V. M. Klevskan. Zhur. mikrobiol., epid. i immun. 33 no. 6 96-103. Je '62.

**BACTERIOLOGY—CULTURES AND CULTURE MEDIA**

Data for the improvement of bacteriological diagnosis of colenteritis. Report No. 1. Increased growth of enteropathogenic *Escherichia coli* broth after the phenomenon of accumulation in the basillon at 13-4°C. T. V. Smirnova, A. S. Ivanova. Zhur. mikrobiol., epid. i immun. 33 no. 6 63-65. Je '62.

Growth of *Salmonella typhi* from patients with typhoid fever. I. N. Melnikova. Zhur. mikrobiol., epid. i immun. 33 no. 6 55-56. Je '62.

Neisser and Massini phenomenon in *Escherichia dysenteriae* bacteria. R. A. Lebedeva. Zhur. mikrobiol., epid. i immun. 33 no. 6 27-32. Je '62.

**BACTERIOLOGY**

Defective lysis in *Actinomyces streptomycin* Kinas culture, produced by streptomycin. I. A. L. Radtsig and others. Mikrobiologiya 35 no. 5 850-863. S-O '66.

Observations on lysis in *Chlorococcoides*. K. A. Yankovskaya. Mikrobiologiya 35 no. 5 853-859. S-O '66.

**BACTERIOPLAGE**  
(see also subdivision under Turkmenistan)

Bacteriophage  $\lambda$  mutant resistant to neutral orange. V. K. Rabin, I. V. Andreeva. Vop. virus. 11 no. 5 573-578. S-O '66.

Concentration of bacteriophage P2 on the union exchange resin AV-17. I. V. Chernikova. Biokhimiya 28 no. 2: 253-257. M-Apr '63.

Distribution of bacteriophage in the organism of a guinea pig. N. P. Prosetova. Izv. Gos. nauch.-issl. protsokh. inst. 16: 117-125. '59.

Effectiveness of the bacteriophage flocculation reaction and the phage filter growth reaction as methods of indication of dysentery bacteria on a surface, authors' abstract. G. A. Bashkurov. Zhur. mikrobiol., epid. i immun. 33 no. 6 92-93. Je '62.

Experiment with phage typing of the serotype O157 H1 of *Escherichia coli*. M. D. Kravtchenko. Zhur. mikrobiol., epid. i immun. 33 no. 6 65-66. Je '62.

Interaction of indicator and free dysentery phages in their filter growth reaction. D. M. Nedopadko. Zhur. mikrobiol., epid. i immun. 33 no. 11: 85-91. N '66.

Localization of adenovirus phosphatase activity in the structural elements of bacteriophage T2. A. S. Tikhonov. Ko. H. F. Logvinov. Biokhimiya 28 no. 2: 340-344. M-Apr '63.

Lyogenicity and colinogenicity in enterobacteria. P. I. Emel'yanov. Zhur. mikrobiol., epid. i immun. 33 no. 11: 91-95. N '66.

Modification of bacteriophages induced by host. V. G. Nikiforov. Izv. sov. biol. 62 no. 3 353-357. N-D '66.

N. N. Malozemov's bis-ethylbenzidine and its various biological properties. L. B. Borisov and others. Biol. eksp. biol. i med. 55 no. 6: 76-79. Je '63.

Role of amino and carboxyl groups of *Escherichia coli* C cell walls in adsorption of phage  $\phi$ X174. N. V. Timakova. Mikrobiologiya 35 no. 5: 861-867. S-O '66.

Separation of lytic and killing activity of bacterial virus particle. V. A. Zuev, G. I. Baid. Vop. virus. 11 no. 6 648-652. N-D '66.

Spheroplasts of *Escherichia coli* obtained by means of phage "ghosts". D. M. Gub'nikov, A. V. Avdeeva, N. B. Borisova. Mikrobiologiya 31 no. 5 866-879. S-O '62.

Type specificity of bacteriophage. M. S. Drozhdevskaya. Izv. Gos. nauch.-issl. protsokh. inst. 16: 109-118. '58.

Variability of *Actinomyces erythraeus* under the action of specific actinophage and mutagenic factors. V. I. Retinskaya, S. I. Alifanov. Mikrobiologiya 31 no. 5 811-819. S-O '62.

**BADKHYZ REGION (TURKMENISTAN)—FORAMINIFERA, FOSSIL**

Foraminifera of the Paleogene sediments of Badkhyz and adjacent regions. Z. D. Kuliev. Izv. AN Turk SSR, Ser. fiz., tekhn., khim. i geol. nauk. no. 4 74-79. '62.

**BAGGING**

Mechanized line for continuous fabric piecing and cutting in the manufacture of bags. M. M. Lubyanskiy, I. A. S. Shynov. Tekh. prom. no. 215-9. M-Apr '62.

**BAIDANOVICH, MAKSYM ADAMOVICH, 1891-1917**

Maksim Baidanovich on the 75th anniversary of his birth. M. D. Pivinsk. Ukr. ist. zhur. 10 no. 12 129-130. D '66.

**BAIKAL-BAIKALSKY DISTRICT—STOCK AND STOCKBREEDING**

Methods for increasing the production of meat and wool in the Baidal-Baikalsky District. V. P. Gerasimov. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIDAKOV, ALEKSANDR BORISOVICH**

Member of the chief designer. Leonid Leonov. Sov. Ukr. 12 no. 1: 122-133. Ap '67.

**BAIKAL, LAKE—ALGAE**

*Urogleptis* sp. in plankton of Lake Baikal. N. A. Antipova. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL, LAKE—GRAYLING**

Feeding habits of the black Baikal grayling (*Thymallus arcticus*) in the southern part of Lake Baikal. P. I. A. Furgina. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL, LAKE—PHYTOBENTHOS**

Benthic macrofauna in Lake Baikal. L. A. Antipova. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL, LAKE—PLANKTON**

Study of plankton in Lake Baikal. M. M. Kozlov. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL, LAKE—TUGBOATS**

New motor tugboat for Lake Baikal. G. T. Tugayev. Tekh. transp. 25 no. 12 50-51. '66.

**BAIKAL, LAKE—WHITEFISHES**

Migration of *Coregonus autumnalis* Pall. in Lake Baikal according to tagging data. K. I. Mikhlin, N. V. Tumanov. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL LAKE IN ART**

Lebedinskii, I. I. I. Baikal. Detsk. [Vostochno-Sibirskoe knizhnoe izd-vo] 1966. [1] p. 24 plates. [Text in English, French and German insert].

**BAIKAL LAKE REGION—FISHES**

Artificial relationships of the Baikal fish fauna. T. N. Gogina. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL LAKE REGION—MINNOWS**

Feeding habits of minnow *Phoxinus phoxinus* (L.) in Baikal basin and Khatanga Reservoir. P. I. A. Furgina, N. I. Antipova, I. A. Rostovskaya. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL LAKE REGION—POPLAR**

Characteristics of poplar (*Populus suaveolens* Fisch.) forests on the southern shore of Lake Baikal. N. A. Gogina. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

Ecology and morphology of *Populus suaveolens* on the southern shore of Lake Baikal. O. P. Durnin. Izv. Gos. nauch.-issl. inst. 17: 111-112. '63.

**BAIKAL LAKE REGION—ROCKS, IGNEOUS**

Some characteristics of intrusions of alkali nephelinsyenites in outer zone of Baikal fold area. V. V. Alifanov. Min. syr. no. 11 1-18. '66.

**BAIKAL LAKE REGION—SEISMIC WAVES**

Recording P-waves in the Baikal Lake region. S. I. Golenevskii. Geol. i geofiz. no. 11: 122-131. '63.

**BAIKAL LAKE REGION—SEISMOLOGY**

First results of studying seismographic recordings of industrial explosions in Lake Baikal region. S. I. Golenevskii. Geol. i geofiz. no. 11: 122-131. '63.

**BAIKAL-PATOM PLATEAU—GEOLOGY, STRUCTURAL**

Some characteristics of the structure of the Baikal-Patom fold area. K. A. Kilitin. Dokl. AN SSSR 171 no. 5 156-159. D '66.

**BAIKAL REGION (CHELYADINSK PROVINCE)—VETERINARY MEDICINE**

The challenge has been accepted! Veterinariya 43 no. 11: 6-7. N '66.

**BAKERSIES** see subdivision under Dignostichovskiy (Ukraine)

**BAKHURISHVILI, SERGEI VLADIMIROVICH, 1902-1950**

Bakhrishvili lectures. L. M. Gerasimov, Izv. SO AN SSSR no. 8. Ser. obshchestv. nauk. no. 3: 157-158. '66.

**BAKING** see subdivision under Minsk

**BAKU—LANDSCAPE ARCHITECTURE**

Some problems of the city landscape of Baku. M. Koshman. Arkh. SSSR no. 6: 26-29. '66.

**BAKUNIN, MIKHAIL ALEKSANDROVICH, 1814-1876**

Pirumova, N. M. [Mikhail Bakunin: his life and work] Mikhail Bakunin, zhizn' i delo [Moskva], Moskva, Nauka, 1966. 158 p. (Nauchno-popul'narnaya seriya)

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Y—FROST RESISTANCE see subdivision under  
ov Province

Y—VARIETIES see subdivision under Rostov  
lance

## UL—INDUSTRIAL PLANTS—DESIGN AND CON- JCTION

of the application of efforts. I. McInevskii. Sov.  
sotuzry 22 no 23 13-17 D '66

## JI—PERENNIALS

cristics of the phenological development of peren-  
overs in the piedmont and forest-steppe zones of  
tal Teriklov. I. V. Vereshchagina. Izv. Alt. old  
ob-va SSSR no 3,79-83 '63

## NGINEERING)

ating stability of bars with variable cross section.  
Blekh. Vest. inzhinosti. 16 no. 12 23-24

ing semiautomatic 305 sand-blasting machines.  
Nikolchuk. Stroitel. do. marsh. 8 no. 6 37-38  
3

## NGINEERING)—TESTING

torsion. I. M. Godelov. Izv. vys. ucheb. zav.,  
met. 9 no. 12 81-81 '66

## KELMES PRESERVE—SNAKES

snakes on Barba-Kel'mes Island. V. L. Rashch  
oda. 55 no 12-12 '66

## JETABOLESM

f destruction of the posterior hypothalamus on the  
metabolism found in rabbits. P. A. Korneva. Biol.  
tol. med. 55 no 6-25-28 Je '63

## XCHANGING COMPOUNDS

ing of propylene oxide in the presence of carbon  
gins as the catalysts. N. G. Polunskii.  
otulina. Neftekhimija 3 no. 5,706-712 S-O '63

## LNES

s of pathological liness (crophobia). F. N.  
ikov. Zhurn. nevro i psikh. 63 no. 1,130-136 '63

## IA—CAVES

lous structure of the Kapovaya Cave. I. D.  
novich. I. K. Kudachov. Sov. arkheol. 10 no 4:  
1 '66.

## IA—CHUVASHIES

the mode of life, folklore and language of the  
shulal population of the Bashki. A. S. R. and  
ing Province. Uch. zap. CHINHIALI. no 23 270

## IA—COMMUNIST YOUTH LEAGUE

lina, K. G. [The youth of Bashkia are in the  
unks] Molodezh' Bashkii na pereidnem krae.  
ushkirske kntzhnoe izd-vo, 1963. 54 p. (Biblio-  
komsomol'skogo aktivista)  
31-11)

## IA—CONSTRUCTION INDUSTRY—COSTS

i. V. N. [Ways of reducing costs in construction]  
ashchenia zatrat v stroitel'stve. Ufa, Bash-  
kntzhnoe izd-vo, 1963. 104 p.

## IA—GAS, NATURAL—GEOLOGY

on search prospects for gas- and oil-bearing  
al folds of Bashkia and Orenburg Province  
of cis-Urals. F. I. Khat'ianov, L. A. Filippova.  
z. geol. i geofiz. no 12 3-7 '66.  
as prospecting results achieved in the seven-  
in in Bashkia and tasks for the forthcoming period  
technikov and others. Geol. nefii i gaza 10  
7 N '66

## IA—GEOPHYSICAL INSTRUMENTS

yi nauchno-issledovatel'skii institut geofiziche-  
skikh metodov razvedki. Volgo-Ural'skii filial. [Geo-  
studies in Bashkia and adjacent regions]  
heskie issledovaniia v Bashkiri i soprodel'nykh  
i; sbornik statei. Ufa, Bashkirske kntzhnoe  
1965. 158 p.

## A—OIL WELLS—EQUIPMENT AND SUPPLIES

r. R. B. and M. N. Gaillamov. [Exploiting  
s without using derrick] Bezvysshechnala  
atslia neflianykh skvazhin. Ufa, Bashkirske  
s izd-vo, 1963. 58 p.

## A—PETROCHEMICAL INDUSTRY—HYGIENIC TS

emists of Bashkia need help. T. Isatcheva  
nais. Okhr. truda i sots. strakh. 9 no. 12-19-  
'66.

## A—PETROLEUM GEOLOGY

on search prospects for gas- and oil-bearing  
al folds of Bashkia and Orenburg Province  
of cis-Urals. F. I. Khat'ianov, L. A. Filippova.  
z. geol. i geofiz. no 12 3-7 '66.  
as prospecting results achieved in the seven-  
in in Bashkia and tasks for the forthcoming period.  
technikov and others. Geol. nefii i gaza 10  
7 N '66

## BASHKIRIA—PETROLEUM PRODUCTION

Akhmetov, R. B., and M. N. Gaillamov. [Exploiting  
oil wells without using derrick] Bezvysshechnala  
okspantatslia neflianykh skvazhin. Ufa, Bashkirske  
kntzhnoe izd-vo, 1963. 58 p.

Developing the mechanization of petroleum production in  
Bashkir fields. K. P. Mikov. Neft. khoz. 11 no. 9-18-  
51 S '64.

## BASHKIRIA—PETROLEUM PRODUCTION—MANAGE- MENT

Indices for the formation of the incentive fund in petro-  
leum production enterprises. I. B. Goukha, M. P.  
Shirayev, R. I. B. Shirayev. Ekono. teoret. i prikl.,  
no 5-8 '66

## BASHKIRIA—PETROLOGY

Geology and characteristics of petrographic composition  
of basaltic based on data of Tuzumov key well No  
2000. V. P. Tashkman and others. Dokl. AN SSSR  
171 no 2 131-131 N '66

## BASHKIRIA—PRINTING INDUSTRY

With the workers in the printing industry in Bashkia.  
S. Latypov. Poligr. proizv. no 9 5-6 S '63.

## BASHKIRIA—PROSPECTING—GEOPHYSICAL METHODS

Vsesoluznyi nauchno-issledovatel'skii institut geofiziche-  
skikh metodov razvedki. Volgo-Ural'skii filial. [Geo-  
physical studies in Bashkia and adjacent regions]  
Geofizicheskie issledovaniia v Bashkiri i soprodel'nykh  
atomakh, sbornik statei. Ufa, Bashkirske kntzhnoe  
izd-vo, 1965. 158 p.

## BASHKIRIA—SOIL MICRO-ORGANISMS

Distribution of actinomycetes in genetic horizons of some  
Bashkir soils. V. D. Kuznetsov. Mikrobiologiya 31  
no. 2,301-306 M-Apr '62

## BASKETBALL

Radiolelemetry in basketball. Teor. i prikl. fiz. kul't. 29  
no. 1,116-117 N '66

## BATHYSCAPHIE

Designing of the Soviet bathyscaphe. M. N. Dionidov.  
Trudy Okean. kon. 11 127-130 '62

Using Soviet bathyscaphes for the observations of com-  
mercial fishes. O. N. Kiselev. Trudy Okean. kon.  
11; 123-126 '62.

## BATTARAE see subdivision under Ukraine

## BATYREVO (CHUVASHIA)—COLLECTIVE FARMS— ACCOUNTING

Business accounting and guaranteed workday wages in  
the "Slava" Collective Farm. L. F. Gionov, G. S.  
Nikolaev. Uch. zap. CHINHIALI. no 23 10-56 '63

## BAUER, BRUNO, 1839-1882

Bruno Bauer, the historian of early Christianity. A. G.  
Petrov. Vop. nauch. teoz. no 1-282-311 '66.

## BAUXITE see subdivision under Chusovaya Valley, Dnieper Valley; Turgay Gates

## BAUXITE—ANALYSIS see subdivision under Kazakhstan

## BAYRAM-ALI DISTRICT—SEISMIC PROSPECTING

Stratigraphic confinement of reflecting seismic horizons  
in the Repetek uplift zone of Bayram-Ali District. V. V.  
Gapeev. Izv. AN Turk. SSR. Ser. fiz.-tekh. i khim. i geol.  
nauk. no 6; 24-26 '62.

## BEACH EROSION see subdivision under Primorsko- Akhaisk region (Krasnodar Territory)

## BEAMS see Gliders

## BEANS

Age-related changes in the anatomic structure of forage  
beans. G. N. Fisanova. Biol. Glav. bot. sada. no. 63 42-  
17 '66.

## BEARINGS (MACHINERY)

Bogdanov, O. I., and S. K. D'achenko. [Calculation of  
sliding bearings] Raschet opor skoli'zheniya. Kiev,  
Tekhnika, 1966. 242 p.  
Karakin, F. F., and V. I. Aronovskiy. [Handbook on anti-  
friction bearings for equipment and machines used in  
the post industry] Spravochnik po podshpinnkam kache-  
nii dlia oborudovaniia i mashin (orl'anoi promyshlen-  
nosti. Moskva, Nedra, 1968. 147 p.

Operation of anti-friction bearings. G. S. Isaakov. Mei.  
sbor. 49 no. 10; 75-76 O '66  
Technical consultation. Rech. transp. 26 no. 12-52 '66.

## BEARINGS (MACHINERY)—PARTS

Temperature conditions of the nonmetallic bushing of a  
sliding bearing. B. I. Ogarkov, E. I. Kushchev. Vest.  
mashinosti. 46 no. 12; 17-19 D '66.

## BEARINGS (MACHINERY)—STANDARDS

Russia (U.S.S.R.) Gosudarstvennyi komitet standartov,  
mer i izmeritel'nykh priborov. [Antifriction bearings,  
pressed-on caps] Podshpinnki kachenii; kryshki  
prizhimnye. GOST 11633-65 - GOST 11643-65. Izd.  
ofitsial'noe. Moskva, izd-vo Standartov, 1966. 54 p.  
(SSSR. Gosudarstvennyye standarty)

## BEAUTY, PERSONAL

A letter with a comment, our answer to the "ugly girl."  
V. Karlovskii. Sem'ia i shkola 21 no. 11-12 N '66.

## BECHER, JOHANNES ROBERT, 1891-1959

Rereading Becher. T. Motyl'eva. Nov. ml. 19 no. 3-257-  
262 M '63

## BECHE SYNDROME

Becher's syndrome in a patient with toxoplasmosis. B. I.  
Krasnov, E. V. Kapenetskii. Vest. do. in ven. 37  
no 3; 56-58 N '63

## BEDNYI, DEM'IAN, 1883-1945

Stage of struggle and labor. A. Vlasova. Sov. shatbi.  
12 no. 1 38-39 '63.

## BEE CULTURE

Effect of introduction on some morphologic features of  
bees. V. V. Gubun. Trudy Inst. gen. no 26 176-179 '62

Shabardina, M. I. [Advice to beekeepers] Sovety pchelovo-  
dam. [Kirov] Volgo-Vlaskoe kntzhnoe izd-vo, 1965.  
151 p.  
(CU)

## BEEF CATTLE—DISEASES AND PESTS see sub- division under Ukraine

## BEETLES, FOSSIL see subdivision under Soviet Central Asia

## BELAYA KALITYA—HOSPITALS, RURAL

Some problems in the organization of ardent activity  
in a rural district hospital. V. I. Shepotinovskii. Sov.  
med. 26 no 3-80-88 M '63

## BELAYA TSEKOV'—AGRICULTURE—STUDY AND TEACHING

We should work out a detailed program for the training  
of graduate students. P. A. Kuvshinov. Vest. vys.  
shkoly 24 no. 12; 43-45 D '66

## BEL'CHENKO, KLEMENTI ALEKSANDROVICH, 1895- 1962

Klementi Aleksandrovich Bel'chenko, an obituary. V. I.  
Razantsev. Mat. Otd. mat. geol. i kar. Geog. ob-va  
SSSR no 2 107-108 '62

## BELGOROD—BREWERIES—EQUIPMENT AND SUPPLIES

Technological progress in the Belgorod Brewery. N. I.  
Ignatenko. Spil. prom. 26 no. 5; 35 '62.

## BELGOROD—CEMENT INDUSTRIES

Highest output per worker in the field. Tsement 37  
no 6 2 of cover. N-D '66.

## BELGOROD—DUMP TRUCKS—MAINTENANCE AND RE- PAIR

Repair plant of heavy dump trucks. I. T. Slipchen. Avi-  
transport. 11 no. 7 38-40 J '63

## BELGOROD-DNESTROVSKIY (UKRAINE)—BAKERIES

Bakeries in Belgorod-Dnestrovskiy. K. Shcherbakov.  
Stroitel. kntzhn. 11 no. 11,30-31 N '66.

## BELGOROD PROVINCE—AGRICULTURAL CREDIT

Role of credit in the specialization of collective farms.  
IA. Maslunov. Den. i kred. 21 no. 12 36-39 D '66.

## BELGOROD PROVINCE—COLLECTIVE FARMS— MANAGEMENT

Role of credit in the specialization of collective farms.  
IA. Maslunov. Den. i kred. 24 no. 12-36-30 D '66.

## BELITSIN, VOLODYMYR OLEKSANDROVYCH, 1890-

V. O. Belitsin on his 60th birthday. Ukr. biokhim. zhur.  
38 no 6 651 '66

## BELLADONNA

Densitometric method of quantitative determination of  
belladonna alkaloids separated by paper chromatog-  
raphy. M. S. Shipalov, K. M. Shilov, S. D. Melnikhanov.  
Prikl. biokhim. i mikrobiol. 2 no 6; 707-713 N-D '66.  
Effect of large doses of extract from the belladonna root,  
used in the treatment of Parkinson's disease, on  
peroxidase detection. Report No 1 Determination of  
the peroxidase in the skeletal muscles of mammals  
under normal conditions and following belladonna in-  
jection. IA. K. Oshpova. Dokl. AN BSSR 6 no 9,598-600  
S '62

## BELOBOTSKII, ANDREI

Andrei Belobotskii, poet and philosopher of the end of  
the 17th and beginning of the 18th century. A. Kh.  
Gorfunkei. Trudy ODR. 16 186-213 '62.

## BELOV, NIKOLAI VASIL'EVICH, 1891-

Nikolai Vasil'evich Belov, on his 75th birthday. Sov.  
geol. 9 no. 12; 100 D '66

## BENTONITE

(see also subdivision under Crimea; Dashi-Salakhly  
region, Azerbaijan; Ukraine)

Effect of long-chain quaternary ammonium salts on the  
porosity of bentonite clays. IE. M. Kal'nov, N. V. Il'udo-  
vych. IE. H. Kukovskiy. Dop. AN URSS no. 11-1479-  
1482 '62

## BENTONITE (Continued)

Structural and mechanical properties of aqueous dispersions of bentonites and influence of quartz sand additions of different disjuncts on these properties Kh Khodzhaev, L. V. *Scrib-Scribna*, P. V. *Khodzhaev*, Koll zhur 28 no 6 704-705 N-D '66

Use of bentonite gel for the crystallization of suspensions D. P. Sulo, L. P. Chuganin, *Vysk iz* no 114-20 Ts-1 '63

## BENZAMIDE

Synthesis of N-N-dimethyl substituted amides by the interaction of ac. I chlorides with dimethyl homomorphs A. P. Kholodov, E. V. Zil'berman, F. A. Ekstein, *Zhur VKhO* 11 no 6 704-705 '66

## BENZENE

Absorption method of removing benzene impurities from cyclohexane B. P. Luzin, N. V. Koltsev, N. S. Torochinskaya, *Trudy MKhIT* no 41 141-146 '63

Catalytic polymerization of allyl benzene, 4-pl-nylbenzene-1, 5-pl-nylbenzene-1, 5-pl-nylbenzene-1, and  $\alpha$ -allyl-naphthalene A. V. Topchik, V. N. Andonov, G. I. Chernys, *Neftekhim* 17 no 5 725-736 S-O '63  
Mechanographic analysis of the products of the catalytic synthesis of divinyl benzene and styrene F. K. Lavrovskaya, A. A. Bulatkin, G. M. Morukhin, *Neftekhim* 3 no 3 702-703 S-O '63

Isolation of benzene adsorption by silica gel from mixture with n-heptane V. V. Veselov, *Koll zhur* 28 no 6 707-708 N-D '66

Olandry, L. A. [Production of pure benzene for synthesis] *Polucheniye chistogo benzola dlia sinteza*, Moskva, Metallurgiz, 1966, 171 p.

Isolating diphenyl from the raw stock of a benzene fraction of polymerization products, R. G. Ismailov, D. A. Alev, T. M. Ivanova, *Azerb. neft. khoz.* 42 no 5 33-35 M. '63

Purification of benzene for 1st order nitration purposes from high-sulfur raw materials V. Z. Sokolov and others, *Kovak khim.* no 10 35-37 '66

IR spectra of carbohydrates of various classes Report No. 8 Spectra of polyalkylbenzenes E. G. Freshchova, V. R. Svarchenko, R. A. Levina, *Vest Mosk un Ser 2 Khim.* 17 no 5 66-70 S-O '62

Purification and purification of divinylbenzene III, A. Akin, A. B. Davanko, T. I. Krivova, *Trudy MKhIT* no 42 39-42 '63

Synthesis of homo- and isodimethylated copolymers of styrene with divinylbenzene V. V. Korshak, S. V. Gorenkova, V. A. Davankov, *Vysokomol. soed.* 8 no 10 166-169 O '66

## BENZENE—PURIFICATION

Isolating thiophene from narrow benzene fraction by sulfuric acid, D. P. Dubrovskaya, V. A. Sapozhnikov, *Kovak khim.* no 12 36-33 '66

## BENZENE DERIVATIVES

Methyl group transposition in heptamethyl benzolonium ion, V. A. Koptug and others, *Dokl. AN SSSR* 171 no 5 1109-1112 D '66

## BENZENECARBOXYLIC ACIDS

Termination of benzenepoly-carboxylic acids in oxidation products of some natural materials, L. A. Kedina, N. N. Generatova, *Zhur. anal. khim.* 21 no 11 1385-1389 '66

## BENZIMIDAZOLE

Changes in venous pressure in hypertensive patients treated with dibazol, P. M. Kozhura, *Azerb. med. zhur.* 10 no 9 48-53 S '63

Ability of cobalt compounds with benzimidazole, I. V. Iamitskii, M. Durdiev, *Ukr. khim. zhur.* 32 no 12; 131-137 '66

## BENZOXAN

Synthesis of 6-( $\beta$ -aminopropyl)- and 6-( $\beta$ -phenyl- $\beta$ -amino-ethyl)-4-benzoxanones and their N-alkyl derivatives Daukas, G. M. *Ulymene*, A. Genfule, *Zhur. VKhO* no 6 711-713 '66

## BENZYL ACID

Preparation of Schiff bases of glucose and p-aminobenzoic acid ethyl ester, N. S. Kuprianova, V. M. Kiseleva, V. Shevlyagina, *Trudy VNIISNDV* no 7 131-132 '65

## BENZOPYRENE

Isolation of 3,4-benzopyrene in smoked Baltic herring and its smoke in various methods of smoking, Vop. onk. 3-53-58 '63.

## BENZOPYRENE—TOXICOLOGY

Mutagenic substances, in particular 3,4-benzopyrene, smoked products and measures for their removal, M. Shabad, *Vest. AMN SSSR* 15 no 12 22-27 '66

## BENZOTIAZOLE

Oxidative action of benzothiazole and its derivatives in neutral and acid media, T. G. N. Ivanova, V. P. Ivanovskaya, V. P. Baramnik, *Ukr. khim. zhur.* 32 11361-11364 '66

## BENZOTIAZOLESULFENAMIDE—TOXICOLOGY

Toxicological evaluation of some sulfenamide derivatives of 2-methylthiothiazole used as vulcanization accelerators R. S. Vorobeyeva, N. V. Zvereva, *Kovak khim.* 21 no 6 11-16 Ts '62

## BENZOTIAZOLIUM COMPOUNDS—THERAPEUTIC USE

Therapeutic activity of dithiazanine and its tolerance in mice, O. P. Pashchuk, N. N. Plokhov, N. N. Ozeretskovskaya, *Med. paraz. i paraz. bol.* 31 no 5 515-521 S-O '62

## BERBERINE

Thermogravimetric study of complex compounds on berberine alkaloid base D. D. Tkachenko and others, *Dokl. VNIISNDV* no 12 21-27 '66

## BERDIAEV, NIKOLAI ALEKSANDROVICH, 1874-1948

N. A. Berdiaev's religious philosophy and its social tendency, I. I. Balakina, *Vop. nauch. ateiz.* no 1 110-147 '66

## BEREZNIKI REGION (PERM PROVINCE)—POTASH MINES AND MINING—SAFETY MEASURES

Constructing deep ore chutes in potash mines G. A. Gladkikh, *Goi. zhur.* no 11 37-38 N '66

## BERGAMOT OIL

Estimation of quality of bergamot oil T. A. Rudol'fi, R. I. Sharapova, *Trudy VNIISNDV* no 7 167-170 '65

## BERIC, DUSAN, 1920-1986

Dusan Beric, N. P. Manachukova, A. G. Moskalenko, *Vop. ist. slav.* no 2 291-295 '66

## BERING, VITUS JOHANNSEN, 1681-1741

Shipbuilders and navigators in the Great Northern Expedition A. I. Dabiyav, *Sudostroenie* 56 no 11 70-73 '66

## BERING SEA—HERRING

Korf-Karaginsky herring T. F. Kachina, *Ryb. khoz.* 42 no 11 14-16 '66

## BERKOV, PAVEL NAUMOVICH

A "biography" of my library, P. Berkov, *V. mite knig.* 6 no 12 36-37 D '66

## BERLIN—ENTOMOLOGICAL RESEARCH

Anniversary of the Entomological Institute of the German Democratic Republic M. Giliarov, *Zashch. rast.* 11 no 12 54-55 '66

## BERLIN, EAST—THEATER

On the political map of art, a letter from Berlin, N. Otten, *Nov. vrem.* 25 no 4 27-29 Ja '67

## BERYLLIUM

Chromatographic methods for separation of zirconium and beryllium, T. A. Bellavskaya, I. P. Allman, M. Pingwen, *Vest. Mosk. un. Ser. 2 Khim.* 17 no 5 11-14 S-O '62

Study of complex formation of beryllium by means of ion exchange, Report No. 1 Behavior of beryllium in solutions of perchloric and sulfuric acids, T. A. Bellavskaya, I. P. Kolosova, *Vest. Mosk. un. Ser. 2 Khim.* 17 no 5 55-59 S-O '62

Using the hydrochemical method in prospecting for beryllium deposits A. I. Lisitsyn, S. I. Mornil', *Razv. i okhr. nedr.* 20 no 3 20-23 M '63

## BERYLLIUM COMPOUNDS—PHYSIOLOGICAL EFFECT

Indices of protein metabolism in rats following introduction of beryllium compounds, N. M. Karamyina, *Toke. nov. prom. khim. veshch.* no 6 27-33 '66

## BERYLLIUM CRYSTALS

Studying plastic deformation of beryllium single crystals under compression V. A. Finkel', I. I. Papirov, G. I. Tikhonov, *Fiz. tver. tela* 8 no 7 2092-2097 J1 '66

## BERYLLIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Radioactive beryllium elimination from organisms by complexing compounds O. G. Aikhlova, M. R. Zel'tser, A. A. Pelushkov, *Radiobiologiya* 6 no 5 754-755 '66

## BERYLLIUM OXIDE

Change in characteristics of beryllium oxide layers brought about by an electron beam, A. M. Titov, *Izv. AN SSSR, Ser. fiz.* 30 no 12 1805-1806 D '66  
Characteristics of secondary electron emission from layers of beryllium oxide on alloys subjected to selective oxidation, A. M. Titov, *Izv. AN SSSR, Ser. fiz.* 30 no 12 1868-1894 D '66

## BERZIN, EDUARD PETROVICH, d. 1937

Kurpnek, G. [A tale about the incorruptible soldier] *Povesi i nepodkupnnoe soldato*, Riga, Liesma, 1966, 238 p.

## BESSARABIA—HISTORY

Bobeko, I., and I. A. Kopanskii, [Twenty-two years of heroic struggle; from the history of the revolutionary and liberation movement in Bessarabia, 1918-1940] *Dvadtsat' dva goda gericheskoi bor'by; iz istorii revoliutsionno-osvoboditel'nogo dvizheniya v Bessarabii v 1918-1940 gg.* Kishinev, Partiznoe izd-vo TsK KP Moldavi, 1966, 42 p. (V pomoshch' agitatoru i propagandistu)

## BESSEMER PROCESS

(See also subdivisions under: Kilday Bog Basin)

Denitration process in an oxygen-blown converter, V. B. Oshchinskii, *Vysk. iz* no 114-20 Ts-1 '63

## BETA-RAY SPECTROMETRY

Precision measurements of conversion electron spectrum with the new method of  $\beta$ -spectrometry, focusing at an angle of 5 VLS, H. Danilov, I. E. Eshin, V. L. L. AN SSSR, Ser. fiz. 40 no 1 107-109, 1 D '66

## BETA RAYS

Angular distribution of repeatedly reflected  $\beta$ -radiation L. M. Borishinov, *Atom. energ.* 21 no 6 192 D '66

## BETA RAYS—OLCAY

Double beta-decay and characterization of neutrinos V. B. Lavrenko, *Fiz. tver. tela* 9 no 1 601-622 D '66

## BETA RAYS—PHYSIOLOGICAL EFFECT

Characteristics of the reaction of the epithelium of the crystalline lens to the action of beta rays from strontium, I. N. Laktionov, *Vop. radiobiol.* 1 212-261 '61

## BEZMYANNYY VOLCANOE

Eruption of Bezmyanny Volcano in December 1961 E. K. Markhin, *Vop. geog. Kamch.* no 3 120-127 '65

## BIBI-EYBAT OIL FIELD—OIL RESERVOIR ENGINEERING

Determining certain reservoir parameters on incomplete pressure restoration after well shutdown in the Bibi-Eybat oil field, E. A. Vozh-Zade, T. I. Nagimov, *Azerb. neft. khoz.* 42 no 3 30-31 M '67

Present petroleum production of the formations of the lower sector of a producing formation in the Bibi-Eybat oil field, T. M. Guseinov, *Azerb. neft. khoz.* 42 no 1, 31-35 M '67

## BIBLE

Stolen by the church, M. Nepivskii, *V. mite knig.* 6 no 11 20 N '66

## BIBLE—INTERPRETATION

New currents in Orthodox exegesis, N. A. Gordinenko, *Vop. nauch. ateiz.* no 1 150-178 '66

## BIBLE—LEGENDS

The sensible robber in Apocryphal literature and Old Russian art, V. G. Puteko, *Trudy ODBU* 22 107-118 '66

## BIBLIOGRAPHIC CLASSIFICATION See Classification, Bibliographic

## BIBLIOGRAPHICAL SERVICES

A conference on the problems of bibliographical information in medical libraries, I. P. Suv. bibl. no 5 166-168 '66

## BIBLIOGRAPHY

The beginning of a great bibliography, I. G. Ryabin, *V. mite knig.* 6 no 11 37 N '66

[Book chronicle] Knizh. dol. nos. 2-6 '67

[Catalog of publications received by the World Data Center B1] Kat. publ. Mir, izdaniia dan. B1 July-Dec. 1962 no. 8 '62; Jan.-June 1965 no. 13 '65; July-Dec. 1965 no. 14 '66

[Chronicle of the publications of the White Russian S. S. R.] Let. druku BSSR no. 9, Sep. 1960 Dapimozhaya pokazal'nik publ. '60

Defense of dissertations, *Vest. AN Kazakh. SSR* 16 no 1 93 Ja '63

Important problems, G. P. Petrov, *Sov. bibl.* no 3 3 14 '64

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 11 nos. 1-2 Ja '67

Materials on the history of old Russian bibliography, E. E. Gromov, *Trudy ODBU* 16 100-111 '62

New bibliographies, *V. mite knig.* 6 no 11 12 N '66

New books, *Dop. AN URSR* no 11 1572-1574 '62

New books, *Nov. mir* 39 no 3 287-288 M '63

[New books of the U. S. S. R.] *Nov. knigi SSSR* nos. 2-4 Ja '67

[New literature on science and research abroad] *Nov. lit. o nauke i nauch. issl. rab. za rub.* nos. 10, 12 '60

[New Soviet literature on science and general research in the U. S. S. R.] *Nov. sov. lit. o nauke i nauch. issl. rab. v SSSR* no. 12 '60

## BIBLIOGRAPHY—AFRICA

[New Soviet and foreign literature on the countries of Asia and Africa] *Nov. sov. i inostr. lit. po stran. Az. i Afr.* no 12 '60

## BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U. S. S. R.] *Soi'khoz. lit. SSSR* no. 12 '60



**BIBLIOGRAPHY—AGRICULTURE (Continued)**  
[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup v Bibl. im V. I. Len. Ser. 2 10 nos. 1-2 Ja '67.  
[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. Khoz. II no. 1 Ja '67.

#### BIBLIOGRAPHY—ANTARCTIC REGIONS

Bibliography. Inform. biul. Sov. antark. eksp. no. 58. 86-90 '66.

#### BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. nos. 11-12 '66.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 11-12 '66.

#### BIBLIOGRAPHY—ARCHITECTURE

New books. Arkhit. SSSR no. 7-62-63 '63.

#### BIBLIOGRAPHY—ART

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup v Bibl. im V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 10 nos. 1-2 Ja '67.

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 4 '66.

#### BIBLIOGRAPHY—ASIA

[New Soviet and foreign literature on the countries of Asia and Africa] Nov. sov. i inostr. lit. po stran. Az. i Afr. no. 12 '66.

#### BIBLIOGRAPHY—ATHEISM

[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. atelz. i rei. nos. 11-12 '60.

#### BIBLIOGRAPHY—AZERBAIJAN—HELMINTHOLOGY

Bibliographic index on medical helminthology in Azerbaijan during the period of 1876-1962 (to be continued). G. B. Kamilov, Sh. A. Makhmudova. Azerb. med. zhur. 40 no. 9:74-77 S '63.

#### BIBLIOGRAPHY—AZERBAIJAN—INDUSTRIES

Azerbaidzhanskaya respublikanskaya biblioteka. [The industry of Azerbaijan] Promyshlennost' Azerbaidzhana. Baku, 1965. 18 p. (Chislo chitat' ob Azerbaidzhane, no. 4) (MI)

#### BIBLIOGRAPHY—BEST BOOKS

Maidich, E. E. [Recommended bibliography for your assistant, for the reader in the public library] Rekomendatsionnaya bibliografiya - ivol pomoshchnik; chitatelnu massovoi biblioteki. Moskva, Kulga, 1966. 93 p.  
New books on heroic soldiers. A. Rogov. Knizh. torg. 17 no. 12 13 D '66.

Problems of the bibliography of recommended literature in textbooks for the institutions of higher education. M. N. Gubareva, B. A. Smirnova. Sov. bibl. no. 5 70-79 '66.

#### BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup v Bibl. im V. I. Len. Ser. 2 10 nos. 1-2 Ja '67.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. Khoz. II no. 1 Ja '67.

#### BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 11 '66.

#### BIBLIOGRAPHY—CARBOHYDRATES

Akademika nauk SSSR. Sektor seli. apstelsal'nykh bibliotek. [Chemistry of carbohydrates, a bibliographic index, 1961-1964] Khimiya uglevodov; bibliograficheski ukazatel' (1961-1964). Moskva, Nauka, 1966. 327 p.

#### BIBLIOGRAPHY—CHEMISTRY

[Bibliography of foreign bibliography on chemistry] Bibl. inostr. bibl. po khim., no. 1 '66.

#### BIBLIOGRAPHY—CHINA—GEOGRAPHY

Literature on the geography and cartography of the Chinese People's Republic. E. A. Krylova. Mai. Old. mat. geog. i kart. Geog. ob-va SSSR no. 2 105-106 '62.

#### BIBLIOGRAPHY—CHRONOLOGY, HISTORICAL

Local calendars of historical and commemorative dates. A. N. Sakharov. Sov. bibl. no. 6 19-38 '66.

#### BIBLIOGRAPHY—COMMUNICABLE DISEASES

Soviet literature. M. L. Vil'shanskaya. Zhur. mikrobiol., epid. i immu. 33 no. 6:145-151 Je '62.

#### BIBLIOGRAPHY—COMMUNISM

Documents and articles on the history of the CPSU and international Communist and labor movement published in periodicals and scholarly serials in November 1966. Vop. ist. KPSS. II no. 114-145 Ja '67.

In the service of party activists. Part. zhizn' no. 1, 75 Ja '67.

New books. Part. zhizn' no. 1:75-76 Ja '67.

#### BIBLIOGRAPHY—COMMUNIST PARTIES

Articles on the history of Communist parties published in foreign periodicals. Vop. ist. KPSS. II no. 1136-140 Ja '67.

#### BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

Documents and articles on the history of the CPSU and international Communist and labor movement published in periodicals and scholarly serials in November 1966. Vop. ist. KPSS. II no. 1141-115 Ja '67.

Subjects for doctoral dissertations approved by local councils for the coordination of scholarly studies on the history of the CPSU. Vop. ist. KPSS. II no. 1156 Ja '67.

#### BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

New books. Arkhit. SSSR no. 7-62-63 '63.

#### BIBLIOGRAPHY—COURAGE

New books on heroic soldiers. A. Rogov. Knizh. torg. 17 no. 12, 13 D '66.

#### BIBLIOGRAPHY—CZECHOSLOVAKIA

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 11 '66; no. 1 '67.

#### BIBLIOGRAPHY—DERMATOLOGY

Bibliography. Vest. derm. i ven. 37 no. 3:92-93 Mr '63.

#### BIBLIOGRAPHY—DULICHEV, IVAN, 1907-

Chronological list of Ivan S. Dulichev's works. M. A. Sakhina. Trudy ODBL 18:490-498 '62.

#### BIBLIOGRAPHY—EARLY PRINTED BOOKS

see subdivision under Armenia, Ukraine

#### BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezhdunar. otn. 9 no. 11 N '66; 10 no. 1 Ja '67.

[New foreign economic literature] Nov. inostr. ekon. lit. no. 11 '66.

[New Soviet economic literature] Nov. sov. ekon. lit. nos. 10-11 '66.

#### BIBLIOGRAPHY—EIDUS, KHAM TEVELEVICH, 1895-

List of Prof. Kh. T. Eidus' principal scholarly studies. Na. i. Az. i Afr. no. 6 156-159 '66.

#### BIBLIOGRAPHY—ETHNOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. nos. 11-12 '66.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 11-12 '66.

#### BIBLIOGRAPHY—EUROPE, EASTERN

[New literature on the general problems of the European socialist countries] Nov. lit. po obshch. probl. evrop. sots. stran nos. 11-12 '66.

#### BIBLIOGRAPHY—FISHERIES

Bibliography. Ryb. khoz. 42 no. 11 92-94 '66.

#### BIBLIOGRAPHY—GEOLOGY

[Geological literature of the U.S.S.R.; bibliographical yearbook for 1949-1950] Geologicheskaya literatura SSSR; bibliograficheskiy ezhegodnik za 1949-1950 gody. Leningrad, 1966. 214 p.

#### BIBLIOGRAPHY—GERMANY, EAST

[New literature on the German Democratic Republic] Nov. lit. po Ger. Dem. Resp. nos. 11-12 '66.

#### BIBLIOGRAPHY—HISTORY

Foreign reviews of Soviet historical studies. Vop. ist. 41 no. 12:105-106 D '66.

Historical articles in periodicals published in socialist countries. Vop. ist. 41 no. 12:184-185 D '66.

Historical articles published in Soviet periodicals. Vop. ist. 41 no. 12:167-170 D '66.

Historical studies which will be published by the "Politizdat" Publishing House in 1967. N. S. Gudkova. Ist. SSSR 10 no. 6 212-214 N-D '66.

New books. Vop. ist. 41 no. 12:165-167 D '66.

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., ist., mezhdunar. otn. 9 no. 11 N '66; 10 no. 1 Ja '67.

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. nos. 11-12 '66.

[New Soviet literature on history, archaeology, and ethnography] Nov. sov. lit. po ist., arkheol. i etn. nos. 11-12 '66.

#### BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Veng. nos. 11-12 '66.

#### BIBLIOGRAPHY—IMMUNOLOGY

Soviet literature. M. L. Vil'shanskaya. Zhur. mikrobiol., epid. i immu. 33 no. 6:145-151 Je '62.

#### BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam; ekon., filos., ist., mezhdunar. otn. 9 no. 11 N '66; 10 no. 1 Ja '67.

#### BIBLIOGRAPHY—KALININ, MIKHAIL IVANOVICH, 1875-1949

Kalininskaya oblastnaya biblioteka. Bibliograficheskiy otchet [Mikhail Ivanovich Kalinin, 1875-1946, a list of recommended literature] Mikhail Ivanovich Kalinin, 1875-1946 gg., rekomendatsionnyi ukazatel' literatury. (Moskva) Mosk. gos. i raboch. 1965. 39 p. (CSI-11)

#### BIBLIOGRAPHY—KARELIA

Takala, E. I., comp. [Know your country; annotated index of literature for teachers of Karelian schools] Znai svoj kraj; annotirovannyi ukazatel' literatury v pomoshch' uchiteliam shkol Karelii. Petrozavodsk [Kareli] skoe knizhnoe izd-vo 1966. 65 p.

#### BIBLIOGRAPHY—KUYBYSHEV RESERVOIR

Konsomol'skaya gidrometeorologicheskaya observatoriya. [Kuybyshev Reservoir, annotated index of published and manuscript works by members of the Communist Youth League Hydrometeorological Observatory from 1957 to 1964] Kuybyshevskoe vodokhranilishche, annotirovannyi ukazatel' opublikovannykh i ukopnykh rabot sotrudnikov Konsomol'skoi gidrometeorologicheskoi observatorii za 1957 po 1964 gg. Pod red. P. I. Nikulina i V. M. Shirokova. Tol'jatti, 1964. 97 p. (MICROFILM)

#### BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

[New foreign literature on linguistics] Nov. inostr. lit. po iaz. nos. 11-12 '66.

[New Soviet literature on linguistics] Nov. sov. lit. po iaz. nos. 11-12 '66.

#### BIBLIOGRAPHY—LAW

Legal literature which will be published in 1967. E. Vorozheikin. Sots. zakon. 43 no. 12:52-53 D '66.

#### BIBLIOGRAPHY—LEBEDEV, VLADIMIR IVANOVICH, 1894-1966

In memory of V. I. Lebedev. Ist. SSSR 10 no. 6:223-224 N-D '66.

#### BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup v Bibl. im V. I. Len. Ser. 3: Obshchestv. nauki, khud. lit., isk. 10 nos. 1-2 Ja '67.

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 6 '66.

#### BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. nos. 11-12 '66.

[New Soviet literature on the study of literature] Nov. sov. lit. po lit. nos. 11-12 '66.

#### BIBLIOGRAPHY—MECHANICAL ENGINEERING

Izdatel'stvo Mashinostroenie. [Publications for 1965; bibliographic index] Izdaniya za 1965 god; bibliograficheski ukazatel'. Moskva, Mashinostroenie, 1966. 314 p.

#### BIBLIOGRAPHY—MEDICINE

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup v Bibl. im V. I. Len. Ser. 2 10 nos. 1-2 Ja '67.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sel'. Khoz. II no. 1 Ja '67.

To the attention of our readers: for 1961 the State Publishing House for Medical Literature announces the following editions for publication. Vest. AMN SSSR 15 no. 1:415 '60.

#### BIBLIOGRAPHY—MICROBIOLOGY

Soviet literature. M. L. Vil'shanskaya. Zhur. mikrobiol., epid. i immu. 33 no. 6:145-151 Je '62.

**BIBLIOGRAPHY—MURMANSK PROVINCE—GEOLOGY**  
[Study of the geology of the U.S.S.R.] *Geologicheskii izucheniye SSSR Gruz. ied. A.N. Assovskii* Izd. Mosk., Nauka  
Vol. 1 [Murmansk Province, period 1956-1960]  
Murmanskskaya oblast', period 1956-1960  
No. 1 [Published literature] Opublikovannyye raboty 1966 393 p.

**BIBLIOGRAPHY—MUSIC, BRANISLAV, 1861-1938**  
Vsesoyuznaya gosudarstvennaya biblioteka imeni anoi  
Literary, [Branislav Nusic, a bio-bibliographic index]  
Branislav Nusic i bibliografiya i ukazatel'. Moskva, Kniga, 1968. 68 p. (Platell zarubzhenykh stran) (CtOTU) (MM)

**BIBLIOGRAPHY—PARASITOLOGY**  
Soviet literature on problems of medical parasitology and parasitic diseases for 1962. N.N. Dukhomin. Med. par. i priro. bol. 32 no. 2:249-241. M.-Vp. '63  
Soviet literature on problems of medical parasitology and parasitic diseases published during 1962. N.N. Dukhomin. Med. par. i priro. bol. 31 no. 5:624-632. S-O '62

**BIBLIOGRAPHY—PHARMACOLOGY**  
Bibliographical index of works of Professor V. M. Karamanov member of the Academy of Medical Sciences of the U.S.S.R., and his co-workers

**BIBLIOGRAPHY—PHILOSOPHY**  
[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv., naukam, ekon., filos., ist., mezhdunar. otn. 9 no. 11 N '66, 10 no. 1 Ja '67.  
[New foreign literature on philosophy] Nov. inostr. lit. po filos. no. 11 '66  
[New Soviet literature on philosophy] Nov. sov. lit. po filos. no. 11 '66

**BIBLIOGRAPHY—PLANTS—RESPIRATION**  
Atadencia nauk SSSR, Biblioteka. [Transpiration and its role in plant life, bibliographic index for 1959-1964] Transpiratsiya i ee znachenie v zhizni rastenii bibliograficheskii ukazatel' 1959-1964. Sostavila N.N. TSvetkova. Podred. I.D. Skazkina. Leningrad, 1966. 184 p.

**BIBLIOGRAPHY—POLAND**  
[New literature on Poland] Nov. lit. po Pol'. nos. 11-12 '66.

**BIBLIOGRAPHY—PRISEIKOV, MIKHAIL DMITREYEVICH, 1881-1941**  
Chronological list of Mikhail Dmitriyevich Priiseikov's works. D. V. Kozlovskaya. Trudy ODRL 18:476-180 '62.

**BIBLIOGRAPHY—PSYCHIATRY**  
Index of books on neuropsychiatry, psychiatry, and related disciplines received in the State Central Scientific Medical Library during September-October 1966. E. A. Akhutin. Zhur. nevri. i psikh., 67 no. 1:153-155 '67.

**BIBLIOGRAPHY—RARE BOOKS**  
[See also subdivision under Chetvyn' District; Kievlynsk, Saratov Province]  
Archival expedition in Murmansk Province and the Karelian A.S.S.R. in the summer of 1960. L. A. Dmitriev, A. Y. Kupanov. Trudy ODRL 18:412-419 '62.  
Report on the archival expedition to the Krasnoyarsk District, Arhangelsk Province and the city of Tselina, Volynsk Province in 1960. A. M. Panchenko. Trudy ODRL 18:426-431 '62.

**BIBLIOGRAPHY—RARE EARTHS**  
Mironov, K. E., and L. A. Chernikova. [Rare earth elements (including scandium and yttrium), a bibliographic index, 1958-1962] Redkozemnye elementy (vkluchaina skandii i itrii), bibliograficheskii ukazatel' (1958-1962 gg.). Novosibirsk, Gos. publ. nauchno-tekhn. biblioteka, 1964. 691 p.

**BIBLIOGRAPHY—RELIGION**  
[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. atelz. i rel. nos. 11-12 '66.

**BIBLIOGRAPHY—ROZHDESTVENSKAYA, OL'GA ANTONOVNA (DOBASH), 1876-1939**  
An index of the works of O. A. Dobash-Rozhdestvenskaya, a corresponding member of the Academy of Sciences of the U.S.S.R. A. D. Ljubinskaya, I. S. Sharkova. Sred. veka no. 29:179-186 '66

**BIBLIOGRAPHY—ROMANIA**  
[New literature on Romania] Nov. lit. po Rum. nos. 11-12 '66.

**BIBLIOGRAPHY—RUSSIA—HISTORY**  
New studies on the history of the U.S.S.R. Ist. SSSR no. 6:145-117 N-D '66.

**BIBLIOGRAPHY—RUSSIAN LITERATURE**  
Bibliographies compiled by the Library of the A.S. Pushkin House. M. I. A. Mol's. Sov. bibl. no. 5:76-81 '64.

**BIBLIOGRAPHY—RUSSIAN LITERATURE—HISTORY AND CRITICISM**  
Bibliography of works on Old Russian literature published in the U.S.S.R., 1956-1959. N. F. Drobnikova. Trudy ODRL 18:196-251 '62

**BIBLIOGRAPHY—RUSSIAN LITERATURE—TRANSLATIONS INTO FOREIGN LANGUAGES**  
Vsesoyuznaya gosudarstvennaya biblioteka imeni anoi  
Literary, [Works of Soviet writers translated into foreign languages; separate for each edition, 1958-1961, a bibliography] Perizvedeniia sovetskikh pisatelei v perevod na inostrannyye yazyki, otde'nye zarubzhenyye izdaniia 1958-1961, bibliograficheskii ukazatel' Moskva, Kniga, 1966. 361 p.

**BIBLIOGRAPHY—SALAIR RANGE—GEOLOGY**  
History of the study of the relief and unconsolidated deposits of the Salair Ridge. A. M. Malolikh. Izv. Akad. Nauk SSSR no. 3:15-23 '63

**BIBLIOGRAPHY—SCIENCE**  
[Information bulletin of new foreign books, received by the Lenin Library Series 1] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1:2 nos. 1-2 Ja '67  
It is possible to know. V knizh. 6 no. 1:22 N '66.  
The Library of the Academy of Sciences of the U.S.S.R. as a coordinating center of bibliographical work in the field of natural sciences, physics, and mathematics. A. I. Mankovich. Sov. bibl. no. 5:60-68 '61  
[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology, physical geography] Nov. knigi za rub. Ser. A 20 no. 1 Ja '67  
Present-day characteristics of the bibliography of Soviet scientific studies and the problems of its development. A. I. Mankovich. Sov. bibl. no. 5:3-18 '66  
The use of foreign bibliography in the acquisition of books for the collection of scientific literature. A. A. Smol'tsevskii, N. V. Medvedev, L. F. Nikolaeva. Sov. bibl. no. 5:91-95 '61.  
Work of the Library of the Academy of Sciences of the U.S.S.R. in the field of the bibliography of science. S. P. Lappov. Sov. bibl. no. 1:43-59 '64.

**BIBLIOGRAPHY—SHABSHINA, F. I., 1906-**  
List of F. I. Kulikova's (Shabshina), Doctor of Historical Sciences, principal scholarly studies, on her 60th birthday. Nar. Az. i Lit. no. 6:160 '66

**BIBLIOGRAPHY—SKAZKIN, SERGEI DANILOVICH, 1890-**  
An index of Academician S. D. Skazkin's works published in 1960-1966. L. N. Danilova. Sred. veka no. 29:12-15 '66

**BIBLIOGRAPHY—SLAVIC STUDIES**  
Works on the history of the Slavic peoples outside the U.S.S.R. published in the "Studies" and other serial publications of the provincial universities of the R.S.F.S.R. in 1966-1965. L. M. Martynenko, V. S. Savchuk. Vop. ist. slav. no. 2:277-285 '66

**BIBLIOGRAPHY—SOCIAL SCIENCES**  
[Information bulletin of new foreign books, received by the Lenin Library Series 3: Social sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 3: Obshchestv., nauki, khud. isk., 10 nos. 1-2 Ja '67.

**BIBLIOGRAPHY—SOILS**  
Bibliography. Pochvovedenie no. 12:107-110 D '66.

**BIBLIOGRAPHY—TECHNOLOGY**  
[Information bulletin of new foreign books, received by the Lenin Library Series 1] Inform. bul. nov. inostr. knig, postup. v Bibl. im. V. I. Len. Ser. 1:2 nos. 1-2 Ja '67.  
[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 11 no. 1 Ja '67

**BIBLIOGRAPHY—UKRAINIAN LITERATURE**  
Brief book reviews. Sov. knizh., 12 no. 1:187-190 Ap '62

**BIBLIOGRAPHY—VENEREOLOGY**  
Bibliography. Vest. det. i ven. 37 no. 3:92-93 Mr '63

**BIBLIOGRAPHY—VETERINARY MEDICINE**  
List of works published by the scientists of the Siberian Veterinary Research Institute for 1958-1962. P. V. Kovaleva. Shor. nauch. rab. SibNIPI no. 11:238-252 '62.

**BIBLIOGRAPHY—YUGOSLAVIA**  
[New literature on Yugoslavia] Nov. lit. po Jug. no. 9/10-12 '66.

**BIBLIOGRAPHY (THEORY, METHODS, ETC.)**  
How to read a book. P. Korzhenev. V knizh. 6 no. 10:39-1 O '66.  
Your reading plan. M. Davydova. V mire knig 6 no. 10:41-42 O '66.

**BRILLIN**  
Brillin-1 and brillin-3 experimental hydrophobic and hydrophilic rabbits. N. I. Solov'ev. Antimikrob. no. 11:1031-1030 V '66.  
Some corrections for the use of brillin in the treatment of syphilis. I. A. Zaitsev. Vest. det. i ven. 37 no. 3:31-38 Mr '63

**BICYCLES AND TRICYCLES**  
Effectiveness of switching in cycling. V. V. Mikhlin. R. M. Ruginov. Teor. i prak. fiz. kult., 9 no. 1:25-29 N '66

**BICYCLES AND TRICYCLES—MAINTENANCE AND REPAIR**  
For those who love mathematics. Sci. iia i obshch. V no. 11:58-60 N '66.

**BICYCLOHEPTANE**  
Conversion of bridge bicyclic hydrocarbon. Isomerization of methylbicyclo[2,2,1]heptane to pence of aluminum chloride. R. A. Belikov, V. A. Belova. A. I. Plati. Zhur. org. khim., 2 no. 1:10-11 N '66

**BIENNIALS (PLANTS)**  
Kruzhilin, A. S., and Z. M. Shcherbala. [Biology of biennial plants] Biologii dvuletnikh rastenii, Moskva, Nauka, 1966. 325 p.

**BIG BUSINESS** see subdivision under France; United States

**BIL'CHENOK GLACIER**  
Bil'chenok glacier. V. N. Vinogradov. Vop. geogr. Kamech. no. 3:111-115 '65

**BILE DUCTS—INFLAMMATION**  
Chamokova, E. F. [Angiocholecystitis in children] Angiocholecystitis u detei. Moskva, Meditsina, 1966. 110 p. (Biblioteka prakticheskogo vracha) (DNLM)

**BILIARY CALCULI** see Calculi, Biliary

**BILIARY FISTULA** see Fistula, Biliary

**BILIARY TRACT—DISEASES**  
Maksimov, D. N., and I. A. Agzamkhodzhaev. [Diagnosis of diseases of the biliary tract] Diagnostika, noskiya zabolevaniy zhelechnykh putei, Tashkent, Meditsina, 1966. 115 p. illus. (DNLM)

**BILURUBIN**  
Methylene blue test for the determination of bilirubin in the urine. O. V. Pakusina. Azerb. med. zh., 10 no. 3:39-43 Mr '63

**BINDING MATERIALS**  
[See also subdivision under Uzbekistan]  
Effect of the mechanical properties of adhesives on the strength of glass laminates. R. A. Kiselev, I. A. Kiselev. Plast. massy no. 17:43-45 '66  
Mathematical description of the kinetics of the binding of some monomeric binders. L. N. Ilyukhina, I. I. Men'kovskaya. Shor. trud. ROSSIMIS no. 21:61-62 '62  
Mixed binders from cement and peatite. P. M. Zheravina. Shor. trud. ROSSIMIS no. 21:61-72 '62  
Properties of and experience in the use of binders for gypsum resin base. E. N. Kutyrev and others. Plast. massy no. 12:29-31 D '66  
Study of the properties of white sludge and ways of utilizing it. B. S. Lyzin and others. Dop. Akad. Nauk no. 7:112-111 '63  
Unsaturated polyesters based on oxyalkylated 1,1-bis(diphenyl)-2,2-propane. V. V. Korshak, S. V. Yudin, I. U. Korzenova. Plast. massy no. 12:10-11 '66

**BIOCHEMICAL SOCIETIES**  
In the All-Union Biochemical Society. I. V. Ilyukhina. Biokhimiia 28 no. 2:366 Mr-Apr '63.

**BIOCHEMISTRY**  
Biochemical aspects in classification of anticholinergic substances. V. I. Rozengart. Trudy LPMI no. 17:150-151 '65

Changes in collagen during the process of its total solubilization and ironation. A. B. Shekhter and others. Trudy I-go MM 40:256-264 '66.

Content of titanium, vanadium and silicon in the callus in fracture of the femur in frogs. A. M. Ilyukhina, A. P. Skoblin. Trumatologia no. 1:110-112 '65.

Effect of large doses of insulin on the cholesterol level, level of total and ionized calcium, total blood proteins and blood sugar. A. S. Pokin, N. P. Khokhlov, N. N. Leonova. Pat. fiziol. i eksp. ter. ap. no. 3:27-28 '64.

Problem of evolution and the chemical form of insulin. R. S. Karpinskaya, V. P. Vargin. Vest. Mosk. univ. 4 Filos. 21 no. 3:33-45 My-Je '66.

Regulation of the rate of lysins of collagen implanted in the body by means of changing its physicochemical properties. L. P. Istronov and others. Trudy I-go MM 40:265-270 '66

**BIOCHEMISTRY** (Continued)  
Role of contractile proteins in the determination of the resistance of muscular tissue to change. G. I. Gurov, I. A. Bihl eksp biol i med. 55 no 5:57-60 My '63  
**Savron', E.S.** [Animal biochemistry] Biokhimiya zhivotnykh. Moskva, Vysshaya shkola, 1966, 501 p.  
Some biochemical data in multiple sclerosis. O. A. Khondkarian. Zhurnal nevrologii i psikiatrii 127:69-1776 '66  
**Tikhonenko, T.I.** [Biochemistry of viruses] Biokhimiya virusov. Moskva, Meditsina, 1966, 204 p.

**BIOCHEMISTRY—CONGRESSES**  
(see also subdivision under Soviet Far East)  
Second symposium on biochemistry of mitochondria in Moscow, 11 Severniy Ural'skiy biol. 62 no 4:456-462 N-D '66.

**BIOENERGETICS—CONGRESSES**  
Sovetskoye po problemam upravlyaniya biosintezom i biofiziki pomislitsi, 1965. [Bioenergetics and biological spectrophotometry, reports] Bioenergetika i biologicheskaya spektrofotometriya [doklady]. Moskva, Nauka, 1967 313 p.

**BIOFLAVONOIDS**  
Bioflavonoid effect of tanning substances of oakwood. I. A. Egorov, I. M. Skurikhin, N. N. Erofeeva. Prikl. biokhimiya i mikrobiol. 2 no 6:691-693 N-D '66

**BIOGRAPHY**  
Who is who. G. Urianis. Vnizhe knig. 6 no 10,16-17 O '66.

**BIOLOGICAL APPARATUS AND SUPPLIES**  
Unit for studying phosphorescence of micro-objects. I. A. S. Poliakov, I. M. Rozanov, E. M. Bumbberg. Tsitologiya 8 no 5:677-681 S-O '66

**BIOLOGICAL LABORATORIES—EQUIPMENT AND SUPPLIES**  
Homogenizer for hard tissues. L. M. Oshmev, N. S. Oshchuk. Lab. delo no 1:59 '67  
Methodology for determining surfactants in medical biological research. I. A. V. Gantsevich. Lab. delo no 1, 27-29 '67.  
Small-dimensional homogenizer. V. V. Sevast'yanov, V. V. Babitsnev. Lab. delo no 1:58-59 '67

**BIOLOGICAL RESEARCH**  
(see also subdivision under Soviet Far East; Ukraine)  
An important step in the development of biological science. N. M. Stankin. Izv. AN SSSR Ser. biol. no 3,337-347 My-Je '61  
Session of the General Assembly of the Biological Department of the Academy of Sciences of the U.S.S.R. T. N. Shchegolevskaya. Izv. AN SSSR Ser. biol. no 3,189-492 482 My-Je '63

**BIOLOGICAL RESEARCH—CONGRESSES**  
International conference on the biological method. Zashch. rast. 11 no 12:51-53 '66.

**BIOLOGY**  
Biological tasks of pharmacology. A. V. Anichkov. Trudy LPMI no 32:8-11 '65

**BIOLOGY—BIBLIOGRAPHY** see Bibliography—Biology

**BIOLOGY—CONGRESSES**  
Vsesoyuznyy s'ezd anatomov, gistologov i embriologov. Tbil. [Abstracts of a symposium of the All-Union Congress of Anatomists, Histologists and Embryologists] Tezisy. Tbilisi, Metsnereba, 1966, 483 p.

**BIOLOGY—PERIODICALS**  
New chemical and biological journals. Vest. AN SSSR 36 no 12:96 D '66.

**BIOLOGY—PERIODICITY**  
The 24-hour rhythm of cell division in tissue cultures. N. L. Zenzal'ko. Biul. eksp. biol. i med. 55 no 5:101-108 My '63.

**BIOLOGY—STUDY AND TEACHING**  
Connection of physics with biology in classroom and extracurricular studies. T. B. Kats. Sov. pedag. 4 no 6:52-57 Je '66  
**Verzilin, N.M., and V.M. Korsunskaya.** [General methodology of teaching biology, a manual for students of pedagogical institutes] Obshchaya metodika prepodavaniya biologii; uchebnoe posobie dlia studentov pedagogicheskikh institutov. Moskva, Prosveshchenie, 1960, 362 p.

**BIO-LUMINESCENCE**  
Automatic calculation of micro-organisms differing in their luminescence color. D. P. Babadzhanyan, V. M. Borodina, L. B. Kamlin. Prikl. biokhimiya i mikrobiol. 2 no 6:703-706 N-D '66.  
Effect of medium composition on intracellular fluorescence of brown-gray actinomycetes. K. A. Vinogradova, V. A. Poltorak. Mikrobiologiya 35 no 5:820-832 S-O '66.  
Luminescence of some volatile phytoncides of higher plants. M. B. Razumovich, I. V. Batkov. Dokl. AN BSSR 6 no 9:586-588 S '62.

Study of photosynthetic pigment systems by emission and excitation spectra of chemiluminescence of chlorophyll in higher plants. F. F. Litvin, V. A. Shvachko. Biokhimiya 31 no 6:1261-1271 N-D '66

**BIOCHEMIS**  
Mass transfer equation for a biological field. A. G. Tein. Dokl. AN BSSR 6 no 1:47-49 My-Je '62

**BIOETRY**  
In vivo determination of the weight of individual animal organs and tissues. G. M. Shchegolev. Izv. AN SSSR Ser. biol. no 3:151-159 My-Je '63.

**BIONICS**  
Hydrophones serves the navy. A. N. Shnyayev, V. I. Droblov. Mozh. 10 no 10:32-39 O '66

**BIO-SYNTHESIS**  
Biosynthesis of estradiol. K. S. Shchegoleva, N. I. Matveyeva. Vopr. med. khim. 12 no 6:563-568 N-D '66  
Effect of amino acids on the biosynthesis of chlorotetracycline. I. A. Zelenka, L. Kovachichova, M. Gaidits. Mikrobiologiya 31 no 5:816-818 S-O '62  
Effect of X-ray irradiation on biosynthesis processes and decay of phosphoric esters of vitamin B<sub>1</sub>. I. V. Smit'skii. N. I. Leus. Radiobiologiya 6 no 6:807-811 '66  
Energy and carbon sources for biosynthesis in sulfate-reducing bacteria. I. I. Shchegolev. Mikrobiologiya 35 no 5:761-766 S-O '66  
Faynyntse regulation of DNA biosynthesis in organisms. I. M. Belanova, V. K. Mazurik. Izv. sov. biol. 62 no 3:313-323 N-D '66  
Study of the physiology of metabolism and morphology of Bacillus licheniformis. G. B. Shchegolev. Mikrobiologiya 31 no 5:820-826 S-O '62.

**BIOLOGICAL COMMUNITIES**  
Ecologic aftereffects of introduction of a new species into continental biocenosis. Ovidata in Eurasia. A. A. Nasimovich. Zool. zhurn. 45 no 11:1593-1599 '66

**BIPHENYL**  
Electron exchange interaction in free imino-yl tetra-radicals of biphenyl series. V. A. Golubev and others. Zhurn. org. khim. 2 no 11:1916-1918 N '66  
Obtaining biphenyl from the raw stock of a benzene fraction of pyrolysis products. R. G. Ismailov, D. A. Aliev, T. M. Ivanova. Azerb. neft. khoz. 42 no 5,33-35 My '63.

**BIRDS** see subdivision under Baikal Lake region, Dzhulalul' Lake region; Pamirs; Siberia, Eastern, Taymyr Peninsula

**BIRDS—FOOD** see subdivision under Central Chernozem Preserve

**BIRDS—JUVENILE LITERATURE**  
Zhizn'skiy, V. Z. [Petty's birds, stories about birds] Petrykovskiy chernozhny; opovedaniya pro ptakhiv. Kyiv, Veselka, 1966, 62 p.

**BIRDS—MIGRATION** see subdivision under Far East

**BIRDS—PARASITES** see Parasites—Birds

**BIRDS, FOSSIL** see subdivision under Brynzeny region (Moldavia)

**BIRDS OF PREY** see subdivision under Irkutsk Province

**BIRUKOV, NIKOLAI ZOTOVICH, 1912-**  
Courage. S. Vladko. Sov. Uchr. 12 no 1:176-177 Ap '62.  
A devoted worker. A. Kaley. Vnizhe knig. 6 no 10:30-31 O '66.

**BIRTH INJURIES**  
Early topical diagnosis of intrauterine injuries in newborn infants. G. Ch. Novikova and others. Vest. AN SSSR 17 no 10:11-18 '62  
Some urgent problems of the present-day traumatology of newborn infants. V. S. Koshlov. Traumatologiya no 1,133-140 '63.

**BIRTHWORT**  
Structure of coramine. M. S. Iumov, S. I. Akramov, S. I. Iumov. Khim. pr. i sood. sood. no 5:340-341 '66

**BIRYUCHIY ISLAND—HORSEFLIES**  
Possible epidemiologic significance of the deerfly Chrysops (Heterochrysops) tallous Mg. on Biryuchiy Island. I. V. Boshko. Dop. AN URSSR no 7:868-870 '63.

**BIRYUCHIY ISLAND—TICKS AS CARRIERS OF DISEASE**  
Ixodid ticks and their epizootiological significance on Biryuchiy Island. I. E. M. Melchuk. Dop. AN URSSR no 11:1521-1524 '62

**BIRYUCHIY ISLAND—TULAREMIA**  
Possible epidemiologic significance of the deerfly Chrysops (Heterochrysops) tallous Mg. on Biryuchiy Island. I. V. Boshko. Dop. AN URSSR no 7:868-870 '63.

**BISMUTH—ANALYSIS**  
Radioactive determination of bismuth in mineral raw materials. E. M. Ibramov, A. V. Ibramovskii. Zhurnal khim. 31 no 12:1120-1122 '66

**BISMUTH ALLOYS—ELECTRIC PROPERTIES**  
Conductance of alloys of the system Bi—11.5% in solid and liquid states. G. N. Kugitskaya, I. V. Ibramovskii, G. I. Nikol'skaya. Izv. AN SSSR Neorg. mat. 2 no 11:2072-2073 N '66

**BISMUTH TELLURIDE CRYSTALS—GROWTH**  
Unit for growing bismuth telluride single crystals by Czochralski's method. B. M. Golitsman, S. D. Prokhorova. Radiotekhn. 6:231-233 '65

**BISMUTH—TELLURIUM-SELENIUM ALLOYS**  
Change in heat conduction of crystal lattice in the process of ordering of Bi<sub>2</sub>Te<sub>3</sub>Se<sub>2</sub> compound. N. Kh. Abrikosova, V. I. Droblov. Izv. AN SSSR, Neorg. mat. 2 no 11:2076-2077 N '66

**BISMUTH OXIDES**  
Preparation of sodium-bismuth molybdate and tungstate. M. V. Mokhosova, S. M. Alekshina. Izv. AN SSSR, Neorg. mat. 2 no 11:2084-2086 N '66

**BITKOV OIL FIELD—GASES—SEPARATION**  
Refining a gas condensate of the Bitkov field. V. I. Antonishin. Neft. i gaz. prom. no 1:60-61 Ju-Mi '61

**BITS (DRILLING AND BORING)**  
(see also subdivision under Azerbaijan, Ukraine)  
Machines for machining rollers of insert and semi-insert bits. V. S. Gombarg. Mash. i neft. khoz. no 8:22-24 '66.  
Determination of diameter tolerance of three-cone bit. S. G. Sultanov, P. A. Gindzhumtsev. Azerb. neft. khoz. 15 no 12:37-46 D '66  
Fishing cutters and small metal fish. R. S. Ibramkhuk, L. I. Ibramov. Neft. i gaz. prom. no 7:64 '65  
High efficiency of diamond bits. T. Skomarovskii. Neft. i gaz. prom. no 11:24-26 N '66  
Institut gosnagorodela im. A. A. Skochinskogo. [Rock breaking with roller bits] Razvitiye gosnagorodela i shchegolnykh instrumentov. Moskva, Nauka, 1960 136 p.  
**Shatlov, A. P.** [New boring methods and equipment for oil mining] Novaya buroraya tekhnika dlia otkrytykh rabot. Moskva, Nedra, 1966, 95 p.

**BITUMEN**  
(see also subdivision under Kobystan)  
Use of hydroxy acids of the vat residue of synthetic fatty acids in the production of bitumens. I. M. Hudenskaya and others. Khim. i tekhn. topl. i masel. 11 no 1:20-12 D '66.

**BITUMEN—GEOLOGY** see subdivision under Azerbaijan; Turkmenistan

**BITUMEN—STORAGE**  
Once more about bitumen plant. T. Zavad'skii. Avi. doi. 29 no 11:16-17 N '66  
Simplified closed bitumen storage with electric heating. A. M. Babitsnev. Avi. doi. 29 no 12:15-18 D '66

**BITUMEN, EFFECT OF TEMPERATURE ON**  
Graphic analytic method of determining the softening temperature of a bitumen mixture. A. I. Ibramovskii. Khim. i tekhn. topl. i masel. 11 no 11:57-57 N '66

**BIYA VALLEY—EROSION**  
Gully erosion and its natural decrease in the Biya (Kuznetsk) steppe. V. M. Ostrovskiy. Izv. AN old Geog. ob-va SSSR no 3:56-63 '63

**BYSK REGION—ODONATA**  
Structural characteristics of the fauna of Odonata in the Altai steppe in 1953 and 1954. B. E. Belyshev. Izv. Alt. old Geog. ob-va SSSR no 3:77-78 '63

**BLACK EARTH** see Chernozem soils

**BLACK LANDS** see Chernyya Zemli

**BLACK SEA—ACIDS, FATTY**  
Fatty acids in Black Sea water. A. N. Ushakov and others. Okeanologiya 6 no 5:881-881 '66

**BLACK SEA—ANCHOVIES**  
Behavior of Black Sea anchovy regarding underwater light sources. E. B. Moiseeva, M. F. Sapozhnikov. Ryb. khoz. 42 no 11,18-21 '66.

**BLACK SEA—CURRENTS (HYDROLOGY)**  
Observation of a turbid stream in the Black Sea. I. V. Pochepchikova. Vest. Mosk. un. Ser. 5: Geog. 21 no 6:99-100 N-D '63

**BLACK SEA—FISH CULTURE**  
Increase in fish production in basins between Danube and Dniester Rivers. I. A. I. Dmitriev. Ryb. khoz. 42 no 11:28-30 '66.

**BLACK SEA—INFUSORIA**  
Infusoria of mesopelagial in sand bays of Black Sea. V. G. Kovaleva. Zool. zhurn. 45 no 11:1600-1611 '66



## BLOOD—ANALYSIS AND CHEMISTRY (Continued)

Effect of thyroxine on glucose-6-phosphatase activity in the liver and blood. G. A. Dosta. *Blud eksp. biol. i med.* 55 no 6:54-61 Je '63

Examination of hydrocortisone in the blood plasma and 5-hydroxyindoleacetic acid in the urine in allopurinol. G. I. Malozemov, L. S. Ilyashchik. *Trudy I-go MMI* 43:177-183 '63

Methodology for determining isonicotinic acid hydrazide in the blood. R. A. Joffe. *Lab. del.* no 1:17 '67

Nickel content in the body of elderly and old people. M. M. Korobchenko. *Dokl. AN BSSR* 6 no 8:527-528 Ag '62

Normal cobalt content in the blood of man. L. I. Idel'son, T. D. Zhukovskaya. *Probl. gemat. i perel. krovi* 8 no 3:10-14 Mr '63

Quantitative method of determining vitamin A and carotene in whole blood. V. A. Karpacheva. *Biohimia* 28 no 2:201-203 Mr-Apr '63

Xanthine oxidase in blood of newborn infants and in venous and intraplacental blood of mothers. I. K. Gurskaya. *Dokl. AN BSSR* 10 no 9:701-706 S '66

## BLOOD—BRAIN BARRIER see Hematoencephalic barrier

## BLOOD—CIRCULATION

Abramovich, K. G. [Functional diagnosis of cardiopulmonary insufficiency in pneumoconiosis, methods of examining functions of respiration and blood circulation in patients with pneumoconiosis] *Funktsional'naya diagnostika legochno-serdtshechnoi nedostatochnosti pri pneumoconiozach, metody issledovaniya funktsii dykhaniya i krovoobrashecheniya u bol'nykh pneumoconiozami*. Moskva, Meditsina, 1966, 82 p. (Biblioteka prakticheskogo vracha) (DNLAI)

Changes in the gaseous metabolism and hemodynamics following resection of the lungs in tuberculosis. B. D. Zil'in, V. V. Suvorov, N. G. Savonova. *Khirurgiya* 42 no 11:96-100 N '66

Effect of ganglionic blocking agents on some indices of blood circulation and respiration. V. M. Vinogradov and others. *Izvest. khir. i anest.* 8 no 6:61-66 N-D '63

Evaluation of the methods of digital and instrumental methods of examination according to operative hemodynamic changes. E. N. Meshalkin and others. *Khirurgiya* 39 no 2:26-31 I '63

Experimental study of the portal circulation during the agonial period and during resuscitation following clinical death. Iu. M. Levin. *Blud. eksp. biol. i med.* 55 no 5:33-36 My '63

## BLOOD—CIRCULATION, ARTIFICIAL

Causes and treatment of anemia developing after operation on the open heart under conditions of artificial blood circulation. S. A. Gadzhiev, A. A. Voznov, Iu. V. Kurlov. *Khirurgiya* 39 no 2:31-36 F '63

Operations in mitral stenosis under conditions of artificial blood circulation. I. Shumkovits and others. *Khirurgiya* 39 no 2:21-26 F '63

## BLOOD—CIRCULATION, DISORDERS OF

Acute disorders of spinal blood circulation. D. A. Markov, L. S. Glikina. *Zhur. nevro. i psikh.* 67 no 1:30-42 '67

Diuretic action of ACTH, cortisone and prednisone in patients with circulatory insufficiency. V. K. Serkova. *Sov. med.* 26 no 3:131-133 Mr '63

Effect of the disorder of blood circulation on the nature of the development of tubercular gonitis in an experiment. I. D. Gabibit. *Dokl. AN Azerb. SSR* 16 no 4:77-80 '62

Effectiveness of the treatment of circulatory insufficiency with the glycoside corchoroside. L. A. Leshchinskii. *Sov. med.* 26 no 3:133-135 Mr '63

Functional changes in the human blood circulation system under the effect of therapeutic doses of ionizing radiation. V. I. Koledinov, V. M. Stepanov. *Trudy Novokur. GIDUVA* 32:134-139 '65

Insufficiency of spinal blood circulation. E. I. Shakhnovskaya, R. A. Polozova, Zhur. nevro. i psikh. 67 no 1:45-50 '67

Ischemic myelomalacia. I. P. Sokolov, Zhur. nevro. i psikh. 67 no 1:12-15 '67

State of the blood circulation system in some active forms of pulmonary tuberculosis. V. I. Koledinov. *Trudy Novokur. GIDUVA* 32:33-38 '65

## BLOOD—COAGULATION

Central links of reflex arcs in coagulative and anticoagulative blood systems. T. M. Kalitchevskaya, A. P. Semokhina, N. V. Khakhanova. *Vest. Mosk. univ. Ser. 6 Biol., pochy* 21 no 4:10-16 Ji-Ag '66

Fibrinolytic and fibrinogenolytic activity of the blood in patients with a grave course of cerebral insult. M. I. Kuz'min, Zhur. nevro. i psikh. 67 no 1:13-18 '67

Reflex nature of the second physiological anticoagulation system. T. M. Kalitchevskaya, B. A. Kudrashov. *Fiziol. zhur.* 48 no 10:1234-1239 O '62

Results of a comprehensive study of the coagulative system of the blood in fresh closed injuries of the head. A. G. Kurbanadze. *Azerb. med. zhur.* 40 no 2:30-30 F '63

## BLOOD—COLLECTION AND PRESERVATION

(See also subdivision under Cytokines)  
Effect of preservation on the pseudocholinesterase activity in donor's blood and its significance in the treatment of apnea. N. V. Prakhov, I. G. Sukhova. *Eksp. i klin. anest.* 8 no 6:68-69 N-D '63

## BLOOD—CORPUSCLES AND PLATELETS

Cellular composition of white and red blood in Atlantic and Baltic salmon (*Salmo salar* L.) embryos and its changes in the process of body development. M. I. Verbitskiy. *Trudy NMBI* no 12:139-162 '68

## BLOOD—DISEASES

Chronic hypocalcemic encephalopathy in idiopathic hypoparathyroidism. P. Ovechkin, R. Raichov, K. Kostov. *Zhur. nevro. i psikh.* 66 no 12:1782-1788 '66

Clinical picture of Waldenström's macroglobulinemia. V. K. Polkov, M. V. Orlova, V. V. Rutkovskii. *Sov. med.* 26 no 3:127-131 N '63

Immunodiagnosis of the thrombocytopenic syndrome. N. I. Gromatskii. *Probl. gemat. i perel. krovi* 8 no 2:10-16 F '63

## BLOOD—EXAMINATION

Changes in the peripheral blood following the fractional irradiation of animals in small doses. I. V. Remizova. *Vop. radiobiol.* 1:105-110 '61

Changes in the reaction of the blood system to some pharmacological actions in rabbits with a radiation sickness of moderate severity. I. V. Remizova. *Vop. radiobiol.* 1:99-104 '61

## BLOOD—SEDIMENTATION

Evaluation of the significance of the erythrocyte sedimentation reaction in rabbits following irradiation sickness of moderate severity. I. V. Remizova. *Vop. radiobiol.* 1:126-131 '61

## BLOOD—TRANSFUSION

Physiological analysis of the preventive action of dextran in hemolytic transfusion shock. K. A. Shafranov. *Blud. eksp. biol. i med.* 55 no 6:11-18 Je '63

Study of the physiological cycle of the life of leucocytes, a review of literature. *Probl. gemat. i perel. krovi* 8 no 2:44-51 F '63

Transfusion reaction related to anti-h antibodies. A. G. Bashkat. *Probl. gemat. i perel. krovi* 8 no 2:56-59 F '63

Use of radioactive chromium in the study of the adaptation of erythrocytes in transfused blood. G. A. Guseinov and others. *Azerb. med. zhur.* 40 no 9:21-26 S '63

## BLOOD, GASES IN

Changes in the gaseous metabolism and hemodynamics following resection of the lungs in tuberculosis. B. D. Zil'in, V. V. Suvorov, N. G. Savonova. *Khirurgiya* 42 no 11:96-100 N '66

Gaseous composition of the blood in patients with tumors. V. M. Tankevich. *Vop. onk.* 12 no 11:123-124 '66

## BLOOD AS FOOD OR MEDICINE

Compound treatment of psoriasis with pyrotherapy, autohemotherapy and use of laked blood. N. N. Ter-Karapetants. *Sov. med.* 29 no 12:40-41 D '66

## BLOOD DONORS

Regeneration of the blood in donors in repeated blood extractions during a reticulocytic crisis. A. N. Babits. *Probl. gemat. i perel. krovi* 8 no 3:45-46 Mr '63

## BLOOD GROUPS

Blood group factors in the lower Catusrhine monkey (*Macaca Rhesus*). V. P. Spirina. *Vop. ant.* no 4:21-125 '60

Clinical aspects of hemolytic disease of newborn infants in ABO incompatibility. K. G. Sokolova-Akulova. *Vest. AMN BSSR* 10 no 10:48-52 '62

Use of animal serum for the determination of human erythrocyte groups by the ABO system. M. Kaul. *Probl. gemat. i perel. krovi* 8 no 2:34-36 F '63

## BLOOD PLASMA

Modern equipment for the drying of plasma and other blood preparations by the sublimation method, a survey of the literature. M. V. Podolskii. *Probl. gemat. i perel. krovi* 8 no 3:32-41 Mr '63

## BLOOD PLASMA SUBSTITUTES

Status of some immunological properties of the blood in patients with burn disease following transfusion of protein hydrolysates. M. M. Petrov. *Probl. gemat. i perel. krovi* 8 no 2:41-44 F '63

Use of the infrared spectroscopy method in the investigation of synthetic blood substitutes. R. G. Zhabankov, N. P. Kivoshov, G. V. Rentovich. *Dokl. AN BSSR* 6 no 9:592-594 S '62

## BLOOD PLATELETS

Characteristics of the accumulation of radioactive phosphorus in megakaryocytes. N. D. Gracheva. *Vop. radiobiol.* 4:262-266 '61

Lyophilic drying of a thrombocyte mass. G. I. A. Rozenberg and others. *Probl. gemat. i perel. krovi* 8 no 3:42-46 Mr '63

## BLOOD PRESSURE

Causes of automatic excitation of the respiratory center in frogs. Z. S. Dontsova, V. E. Blitkov, N. A. Bondarenko. *Blud. eksp. biol. i med.* 55 no 6:31-39 Je '63

Correlation of intraocular and systemic arterial pressure in artificial hypothermia in animals with thyrotoxicosis. I. P. Popov. *Probl. endok. i gorm.* 9 no 1:27-30 Ja-F '63

Effect of adonidine and dibenzamine on the blood pressure in animals adapted with X-rays. A. V. Lazovskaya. *Vop. radiobiol.* 1:86-92 '61

Vasomotor reactions of organs in the abdominal cavity at various levels of arterial pressure. V. P. Kalugina. *Blud. eksp. biol. i med.* 55 no 5:16-20 My '63

Vasopressor activity and histochemical characteristics of posterior lobe of hypophysis in normal and irradiated rats. D. R. Bagamian, S. U. Babadzhannova. *Radiobiologiya* 6 no 5:758-760 '66

## BLOOD PRESSURE—MEASUREMENT

Change in venous pressure in hypertensive patients treated with diazepam. P. M. Kozhina. *Azerb. med. zhur.* 40 no 9:48-53 S '63

Methodology of the myographic recording of pressure in the right heart ventricle in rabbits and cats. L. P. Cherkasskii. *Blud. eksp. biol. i med.* 55 no 6:116-117 Je '63

## BLOOD PROTEINS

Autoproteolytic activity of the blood in cancer of the cervix uteri. A. N. Sorokin, V. A. Filov. *Vop. onk.* 12 no 11:71-75 '60

Blood proteins and lipoproteins in patients with chronic deep pyoderma. L. A. Petrova. *Vest. derm. i ven.* no 12:36-40 '62

Disorders in the protein composition of the blood serum caused by alveolar hydatids in the liver and its changes in relation to specific and pathogenetic therapy. N. N. Ozeretskova, M. I. Alekseeva. *Med. parazit. i parazit. bol.* 31 no 5:543-561 S-O '62

Electrophoretic examinations of denaturation processes of serum proteins in cancer of the stomach. Z. B. Norkina. *Lab. delo* no 1:48-49 '67

Electrophoretic picture of the serum proteins of Karakul sheep. N. Kh. Mekhtiev. *Veterinariia* 13 no 12:65-68 D '66

Electrophoretic study of blood proteins in late syphilis. A. K. Shecherbakova. *Vest. derm. i ven.* 37 no 3:37-41 Mr '63

Heat electrophoretic homogenization of blood proteins. V. I. Orlov, G. V. Prigutskii. *Biohimia* 28 no 2:177-284 Mr-Apr '63

Protein composition of the blood during the development of sarcoma M-1. L. N. Surdeikina. *Vop. onk.* 12 no 11:125-128 '66

Protein fractions of the blood serum in epidemic hepatitis in children. K. A. Amizdenov, T. I. Tashova. *Azerb. med. zhur.* 40 no 2:16-21 F '63

Protein fractions of the blood serum in families of patients with subarachnoid and intracerebral hemorrhages. L. F. Davidenko, N. N. Kolosova, V. V. Grigor'eva. *Zhur. nevro. i psikh.* 67 no 1:6-13 '67

Seasonal and age-related changes in the protein content of the blood serum in white rats. L. N. Surdeikina. *Lab. delo* no 1:52-53 '67

Shifts in macrostructure of blood proteins following functional changes in central nervous system induced by chloral hydrate. A. F. Makarenko and others. *Dokl. AN BSSR* 171 no 2:498-500 N '66

## BLOOD SUGAR

Blood sugar level and state of the  $\beta$ -cells in the islands of Langerhans following administration of some antihyperglycemic preparations and diabetes. R. V. Rudyi, A. P. Dyhan. *Probl. endok. i gorm.* 9 no 1:44-50 Ja-F '63

Changes in the content of blood sugar and lactic acid in the blood of athletes during standard exertion in the process of acquiring a good form. N. N. Iakovlev and others. *Fiziol. zhur.* 48 no 10:1263-1269 O '62

## BLOOD VESSELS

Data of the physiology of membrane (contact) digestion. Report No. 4: Starch splitting in the frog vascular system. A. M. Ugelev, V. V. Chernousova. *Blud. eksp. biol. i med.* 55 no 5:25-28 My '63

Effect of preparations and some chemical substances from hawthorn on the peripheral blood vessels. D. I. A. Guseinov. *Azerb. med. zhur.* 40 no 4:45-69 Ap '63

Functional state of vessels in experimental plague. K. M. Mokhin. *Trudy Gos. nauch.-issl. protivotvorchim. inst.* 16:53-61 '50

Indispensability of perfusion of the vascular system of an amputated extremity prior to its implantation. G. S. Lipovetskii and others. *Trudy I-go MMI* 40:220-226 '66

## BLOOD VESSELS—DISEASES

Characteristics of mental pathology in lesions of the extracranial portion of main vessels. L. F. Baranovskaya-Mokulova. *Zhur. nevro. i psikh.* 66 no 12:1817-1821 '66

Differential diagnosis of pulsating formations in the neck. G. L. Ratner, A. A. Pokin. *Khirurgiya* 39 no 2:142-143 F '63



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## BONUS SYSTEM (Continued)

Material incentives for workers. I. A. Gulinskii, N. Kur-dukova. Plan khoz. 43 no. 1 33-48 Ja '67.  
New conditions of planning and economic stimulation on Sverdlovsk and Gorki. I. A. Gulinskii, A. A. Pishchik. Zhel dor transp. 18 no. 6 21-31 Je '66.  
New developments in rewarding railroad executives, engineers, technicians and employees. I. Gal'perin. Zhel dor transp. 48 no. 11 70-71 N '66.  
On the size of funds and incentive norms for oil field administrations. P. V. Buzovskii, K. I. Maksimov. Ekono. tekh. prom. no. 3 3-6 '66.  
Problems of paying bonuses from the material incentive fund. I. U. Margulis. Fin. SSSR. 10 no. 11, 77-80 N '66.

## BOOK COLLECTING

The very first book. B. Chelyshev. V mire knig. 6 no. 11:13 N '66.

## BOOK INDUSTRIES

At the Committee for the Detection of the Soviet Press attached to the Council of Ministers of the U.S.S.R. Knizh. torg. 17 no. 12 1-1 D '66.  
Facts and figures. Knizh. torg. 17 no. 12 30-31 D '66.  
In favor of socialism. A. G. Gorovov. Knizh. torg. 17 no. 12 30-32 D '66.  
Retail trade (conclusion). A. Kuznetsov, M. Martynova. Knizh. torg. 17 no. 12 23 D '66.

## BOOKBINDING

How to bind a periodical. V. Gerasimov. Sem'ia i shkola. 21 no. 12 51 D '66.  
Trends in the development of stitching and bookbinding machines. M. M. Plotkin. Poligr. proizv. no. 9 37-10 S '63.

## BOOKPLATES

Clever Hidalgo in ex libris. I. Minav. Knizh. torg. 17 no. 12 39-39 D '66.  
Facts, finds, and information. V mire knig. 6 no. 12 30-41 D '66.

## BOOKS—REVIEWS

Brief book reviews. Nov. mir. 30 no. 3, 202-206 M '63.  
Facts, finds, and information. V mire knig. 6 no. 10 16-17 O '66.  
Facts, finds, and information. V mire knig. 6 no. 11 46 N '66.  
Facts, finds, and information. V mire knig. 6 no. 12 40 11 D '66.  
Your bookshelf. V mire knig. 6 no. 10 5-6 O '66.  
Your bookshelf. V mire knig. 6 no. 12 6-7 D '66.

## BOOKS, FOREIGN

(see also subdivision under Rostov-on-Don; Uzbekistan)  
Description of foreign socioeconomic studies in classified catalogs. Z. I. Rudina. Opyt rab. bibliot. s inosti. 11 no. 1 3-13 '61.  
Foreign literature in the catalogs of the National Library of the U.S.S.R. B. K. Pomeroy. Opyt rab. bibliot. s inosti. 11 no. 1 50-62 '61.  
Organization of classified catalogs of foreign fiction. M. A. Fokina. Opyt rab. bibliot. s inosti. 11 no. 1 29-31 '61.

## BOOKS AND READING

Every village (or) should have books. I. Kolesnik. Knizh. torg. 17 no. 12 11-13 D '66.  
Helpers of our memory. G. Gelsov. V mire knig. 6 no. 2 33-34 D '66.  
Hidden potentialities should be put into the service of readers. N. Mikhailov. Knizh. torg. 17 no. 12 1-2 D '66.  
How to read a book. P. Kerzhentsev. V mire knig. 6 no. 10 39-41 O '66.  
In the spirit of meditation. L. Podvol'skii. V mire knig. 6 no. 11 3-5 N '66.  
Let us publish a book about the art of reading. V mire knig. 6 no. 11 39-10 N '66.  
Our oldest friend. L. Minakov. Sem'ia i shkola. 21 no. 11 10-21 N '66.  
Reading and rereading. B. Anin. Dashk. vosp. 30 no. 12 70-73 D '66.  
A second passport to life. I. U. Subbotin, S. Puzanov. Knizh. torg. 17 no. 12 5-8 D '66.  
A "teacher" from Boevo. A. Potvin. V mire knig. 6 no. 11 48 N '66.  
When books are with you. A. Briukhanov. V mire knig. 6 no. 10 22-23 O '66.

## BOOKS AND READING FOR CHILDREN

A family of workers. A. Perahin. Sem'ia i shkola. 21 no. 12 12-13 D '66.

## BOOKSELLERS AND BOOKSELLING

(see also subdivision under Ukraine)  
Booksellers are the popularizers of books. B. Reznikov. Knizh. torg. 17 no. 12 40-41 D '66.  
Legal consultation. Knizh. torg. 17 no. 12 46 D '66.  
Life among books. E. Gamze. Knizh. torg. 17 no. 12 20 D '66.  
Retail trade (conclusion). A. Kuznetsov, M. Martynova. Knizh. torg. 17 no. 12 25 D '66.

A second passport to life. I. U. Subbotin, S. Puzanov. Knizh. torg. 17 no. 12 5-8 D '66.  
Striving for good and timely advertisements. I. Raskin. Knizh. torg. 17 no. 12 32-33 D '66.  
Struggle for rhythmic work. I. Tlagal. Knizh. torg. 17 no. 12 13-14 D '66.

BOOKSTORES see subdivision under Crimea; Khar'kov; Kiev, Ukraine; Zaporozhye

## BOOLEAN FUNCTIONS

Algorithm for the simplification of disjunctive normal form of Boolean functions. I. I. Anon. Kibernetika. no. 6 12-14 N-D '66.

BOOT AND SHOE INDUSTRY see Shoe Industry

## BOOTS AND SHOES

Trends in the design and color range of footwear for the 1962-1963 season. O. P. Kiselev. Len. prom. no. 2 11-33 Apr-Je '62.

## BOOTS AND SHOES, RUBBER—TESTING

Topographic method for evaluating the changes in rubber molar under service conditions. D. I. Fedukin, L. S. Galanova. Kuch. torg. 21 no. 6 17-19 Je '62.

## BORATES

(see also subdivision under Kazakhstan)  
Inhibitory effect of borates on the three-phase reaction of hydrolysis by  $\alpha$ -chymotrypsin of nonspecific substrates. I. V. Buzovskii and others. Dokl. AN SSSR. 171 no. 5 1213-1216 D '66.

## BORIDES

Cathodic method of preparing chromium, molybdenum and zirconium borides. A. T. Gorbunov. Porosh. met. 6 no. 11 52-56 N '66.

## BORING

(see also subdivision under Kazakhstan; Russian Platform)

Air drilling in seismic prospecting. T. E. Efremov, V. M. Sidonov. Razy. i obn. nedr. 20 no. 3 18-50 M '63.

Bulakov, V. V. [Mechanics of rock breaking during extra-deep drilling]. Mekhanika razrusheniia gornykh porod pri sverkhglubokom burenii. Novosibirsk, Nauka, 1966. 223 p.

Classification of blasthole and borehole drilling methods and areas for their efficient use. V. F. Zinina. Izv. vyzh. uch. zav. gor. zhur. 6 no. 5 90-100 '63.

Determining the air flow rate in air shot drilling. P. M. Stepanov. Izv. vyzh. uch. zav. gor. zhur. 6 no. 6 121-130 Je '63.

Instal't gornogo dela im. A. A. Skochinskogo. [Rock breaking with roller bits]. Razrushenie gornykh porod silovymi instrumentami. Moskva, Nauka, 1966. 130 p.  
Loss of pressure from drill-pipe joints in annular space of blastholes. S. M. Kuliev, B. I. Es'man, U. Kh. Akhundov. Izv. AN Azerb. SSR, Ser. nauk o zem. no. 4 76-83 '66.

Power factor of electric installations in prospecting drilling. G. V. Chernik. Izv. vyzh. uch. zav. gor. zhur. 6 no. 1 107-115 Ja '63.

Some studies of vibratory drilling. A. Z. Levitskii. Izv. vyzh. uch. zav. gor. zhur. 6 no. 1 107-115 Ja '63.

## BORING—EQUIPMENT AND SUPPLIES

Thermal stresses and the drilling capacity of certain rocks using jet burners. A. V. Trichkin, A. N. Moskalov. Vest. AN Kazakh. SSR. 10 no. 1 58-72 Ja '63.

## BORING—TABLES, CALCULATIONS, ETC

Accuracy of determining the axis of a borehole from its incline and azimuth in separate spots. A. M. Zhuravskii, A. A. Krzhizhanovskaya. Zap. LCI. 50 no. 2 81-94 '66.

## BORING MACHINERY

Changing the speed of drilling depending on the physical and mechanical properties of rocks and the power of bore hammers. P. M. Koshul'ko. Izv. vyzh. uch. zav. gor. zhur. 6 no. 5 91-95 '63.

Mechanized ice drilling. V. M. Tavrizov. Avt. dor. 20 no. 12 20 D '66.

New crane and boring machine. I. U. Subbotin, K. Nikul'shin. Sel'sk. khoz. 16 no. 11 30 N '61.

D-1-30 rotary boring unit. S. F. Semenkikhin. Transp. stroit. 11 no. 11 52-53 N '61.

Shallov, A. P. [New boring methods and equipment for strip mining]. Novaya burovaya tekhnika dlia otkrytykh iabel. Moskva, Nedra, 1966. 95 p.

## BORING MACHINERY—DESIGN AND CONSTRUCTION

More concerning the URB-4PM and UBSH-1 drilling rigs. I. A. Fridman. Bezop. truda v prom. 6 no. 5 18-19 My '62.

New sinker sh. drills for blasthole boring. V. I. Lalskii and others. Gor. zhur. no. 12 43-45 D '66.

The "Ural-64" drill. V. P. Chuvp, O. T. Kulikov, M. N. Ladin. Gor. zhur. no. 11 50-51 N '66.

Widen the area of use of SVB-2 drills for rotary (luger) boring. R. L. Bel'shteyn. Gor. zhur. no. 12 41-43 D '66.

## BORING MACHINERY—PNEUMATIC DRIVING

Industrial testing of SUZN-5 universal pneumatic charger. A. G. Pecherkin and others. Gor. zhur. no. 11 51-53 N '66.

## BORING MACHINERY—VIBRATION

Vibration testing unit for testing end face seals of electric drills. T. N. Gilekin, D. I. Bondrugovskii. Mash. i elekt. obor. no. 9 6-9 '66.

## BORINGS

New data on the problem of recovery of drill cuttings. D. M. Dzhuravov, G. G. Gerasimov. Azerb. neft. khoz. 45 no. 9 41-46 S '66.

## BORIS, SAINT, 988 (ca.)-1015

On the role of iconographic portrayals in the study of the literary works about Boris and Gleb. A. V. Popov. Izv. ODBR. 22 21-19 '66.

## BORISLAV OIL FIELD—PETROLEUM PRODUCTION

Treating well bottom zone with nonionogenic surface-active agents in solvents. V. I. Mikhaylovich, I. G. Pelenichka. Neft. prom. delo. no. 12 18-19 '66.

## BORISLAV OIL FIELD—PETROLEUM PRODUCTION, THERMAL

Field experiment in heat treatment of well bottom zones in Oil Field Administration of "Borislayneft". L. G. Pelenichka and others. Neft. prom. delo. no. 11 19-23 '66.

## BORISLAV OIL FIELD—SURFACE ACTIVE AGENTS

Treating well bottom zone with nonionogenic surface-active agents in solvents. V. I. Mikhaylovich, I. G. Pelenichka. Neft. prom. delo. no. 12 18-19 '66.

## BORMANN, MARTIN, 1900-

Bezrymskii, L. A. [In the footsteps of Martin Bormann]. Po sledam Mart'ina Bor'mana. 2, dop. izd. Moskva, Politizdat, 1965. 150 p. (CSL-II) (MH)

## BORODINO, BATTLE OF, 1812

The battle of Borodino. M. Skitarskii. Agitator. no. 18 11-15 S '62.

## BORON

(see also subdivision under Ural Mountains)  
Efficiency of the use of boron fertilizers in sugar beet growing in the Ukraine. V. S. Kiselevskaya. Khim. prom. URSS. 1 no. 3 77-78 Ji '62.

BORON—EFFECT ON PLANTS see Plants, Effect of boron on

## BORON COMPOUNDS

Decomposition of alkylaromatic hydroperoxides in presence of some boron-containing compounds. M. A. Drazdova and others. Dokl. AN SSSR. 171 no. 2 315-318 N '66.

Shvaris, E. M. [Boron and its compounds]. Bor i ego soedineniia. Riga, Zinatne, 1966. 20 p.

## BORON FLUORIDE

Adsorption properties of aluminum oxide treated with boron fluoride. V. A. Chernov, T. V. Antipina. Vest. Mosk. un. Ser. 2 Khim. 17 no. 5 19-21 S-O '62.

Viscosity of boron trifluoride. G. M. Panchenkov and others. Vest. Mosk. un. Ser. 2 Khim. 17 no. 5 11-13 S-O '62.

## BORON HYDRIDES

Decahydro-phosphorotric compounds. N. T. Kuznetsov. Izv. AN SSSR, Neorg. mat. 2 no. 12 2251-2259 D '66.

## BORON PHOSPHIDES

Equilibrium in the system boron phosphide - iodine. I. A. Kh. Grinberg, N. P. Lazhina, Z. S. Medvedova. Izv. AN SSSR, Neorg. mat. 2 no. 12 2130-2133 D '66.

## BORON STEEL—WELDING

Boron alloying of austenitic steel and alloys for welded structures. B. I. Medvedov and others. Avtom. svaz. 10 no. 12 52-57 N [L. o. D.] '66.

## BORON-ZIRCONIUM-MOLYBDENUM ALLOYS see Zirconium-boron-molybdenum alloys

## BOSHIKOV, EVGENII TRIFONOVICH, 1931-1965

In memory of Evgenii Trifonovich Boshikov. A. E. Kovarskii and others. Gen., sel. i sem. kuk. no. 1 273-274 '65.

## BOTANICAL GARDENS—BUILDINGS AND STRUCTURES see subdivision under Moscow

## BOTANICAL GARDENS—DESIGN AND CONSTRUCTION see subdivision under Moscow

## BOTANICAL RESEARCH

Pot compartment with external lighting. V. K. Kurats, S. N. Drozdov. Sel'sk. khoz. biol. 1 no. 6 920-923 '66.

BOTANY see subdivision under Armenia; Asia; Central Chernozem Preserve; Maritime Territory; Ural Mountains

## BOTANY--ANATOMY

Characteristics of the structure of the  
of the plant. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1  
1963

## BOTANY--EMBRYOLOGY

Characteristics of the embryo. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

Embryology of the embryo. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

Embryology of the embryo. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

## BOTANY--MORPHOLOGY

Phases of ontogenesis in diploid and triploid varieties of buckwheat. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

## BOTANY, MEDICAL

(see also subdivision under Georgia, Latvia)

**Balish, K. P., A. L. Voronova, and A. M. Karpukhina.** [Medicinal plants in the treatment of malignant tumors.] *Lekarskaya iastenitsa i terapiya zloshchastnykh opukhlolei*. Kiev, Zdravot'na 1966 230 p. (DNL3)

**Shubardin, V. N.** [Forest druzhina, wild-growing medicinal plants.] *Lekarni apteka dikoaslushchich i druzhiny rasteniy*. Izd. 2. Perm', Permskoe knizhnoe izd-vo, 1966 147 p. (Prinoda Permskoi oblasti) (DNL3)

Some problems in the cultivation of medicinal plants on the tundra. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

## BOTANY, MEDICAL--MAPS

Mapping the ranges of medicinal plants of the flora of the USSR (taking into account their distribution by families and species). *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

## BOTRYTES

Participation of dehydrogenases in the protective reactions of cabbage against Botrytis cinerea. *T. M. Ivanova, B. A. Ruban, Biokhimiya* 28 no. 2 288-294 M-Ap '63

## BOTTLE WASHING MACHINES

Mass transfer in the process of bottle washing. *G. S. Kozlov, Spirt. prom.* 28 no. 5-9-17 '62

Spraying of a filled bottle. *G. S. Kozlov, Spirt. prom.* 28 no. 4 17-21 '62

## BOTULISM--MICROBIOLOGY

*Clostridium botulinum* F. Report No. 4. Producing of antibotulin serum. *Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

Study on some factors influencing the authenticity of botulin and tetanus antitoxins following the flocculation reaction. *A. V. Vorob'ev, Z. A. Voronova, Zhur. mikrobiol. i epid. i immu.* 33 no. 6 77-81 Je '62

## BOUNDARY LAYER

Using polynomials of the sixth degree in calculating boundary layer in the presence of suction. *L. P. Kozlov, A. I. Tsygankov, Prikl. mekh.* 2 no. 11, 112-117 '66

## BOUNDARY VALUE PROBLEMS

Asymptotic behavior of the eigenvalues and eigenfunctions in a boundary value problem. *S. S. Kiselev, Dop. AN URSR* no. 7 866-871 '63

Conditions for existence of the Green's function in a boundary value problem. *V. A. Chumakov, Diff. urav.* 2 no. 2 114-116 '66

Existence theorems for nonlinear boundary value problems. *G. N. Zhelezko, I. U. V. Komlenko, E. L. Tonko, Dokl. AN BSSR* 10 no. 6 628-628 '66

Numerical methods for finding optimum controls and their use in solving nonlinear boundary value problems. *I. V. Belko, Vych. mat. (Kiev)* no. 2 195-201 '66

Solution of certain external boundary problems for the earth's surface. *V. V. Brodskiy, Izv. vuz. ucheb. raz. geod. i aerof.* no. 1 55-72 '63

Solutions to a boundary value problem for stochastic differential equations. *Han' Chzhan-tsuai* [Kan Chang-chuan]. *Dop. AN URSR* no. 11 1421-1425 '62

Use of Schwarz's method in solving Dirichlet problem in doubly connected region. *V. V. Lukovich, Vych. mat. (Kiev)* no. 2 139-143 '66

Use of the contour integral method in solving mixed problems with mixed type boundary conditions. *M. L. Resulov, Diff. urav.* 2 no. 9 1201-1213 '66

**BOW AND ARROW** see subdivision under Soviet Central Asia

## BOX MAKING

**Klikovskiy, P. A.** [Boxes from fiber materials.] *Ishchiki iz voloknistykh materialov*. Moskva, Tsent. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoj, tsellulozno-bumazhnoj, derevobrabatyvayushchei promyshl., i lesnomu khoz., 1966. 63 p. (Tara i upakovka)

[MICROFILM]

**BRACHIOPODA, FOSSIL** see subdivision under Russian Platform

## BRAIN

Comparison of the conditions of system formation in various functional states of the nervous activity in the child. *M. M. Khol'sova, Zhur. vys. nauch. issled.* 13 no. 4 626-629 M-Ap '63

Conditions necessary for system formation in various functional states of nervous activity in the child. *T. N. Degt'yar', Zhur. vys. nauch. issled.* 13 no. 631-637 M-Ap '63

Content of free amino acids adjacent to thiamine. *A. I. Piskunov, I. I. Dvorkovich, Dokl. AN BSSR* 10 no. 10 789-791 O '66

Correlation between the central portion of the reticular formation and the small intestine. *O. P. Iobanovskaya, A. A. Zubkov, Biol. eksp. biol. med.* 55 no. 5 13-16 '66

Characteristics of the interaction of signal systems under the influence of Schizandra chinensis. *V. V. Lastovetskii, H. S. Romas', Zhur. vys. nauch. issled.* 13 no. 4 604-601 M-Ap '63

Effect of decreasing temperature on the binding of tetraacetate in the central nervous system of warm-blooded animals. *I. U. P. Raskhova, Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

Effect of the compensation of excessive intrapulmonary pressure on the oxygen tension in brain tissues during ascents to great heights. *E. A. Kovalenko, P. V. Babichuk, Fiziol. zhur.* 48 no. 10 1203-1205 O '62

Electrographic data on the work of "biological clock" in the human brain. *L. G. Voronin, V. F. Komolov, Vop. psikh.* 12 no. 6 67-71 N-D '66

Electrophysiological data concerning the connections of the pallidum with other sections of the central nervous system in man. Report No. 2. Connections of the pallidum with the spinal cord centers and autonomic tract for motor functions. *I. M. Gilyarovskiy, Biol. eksp. biol. med.* 55 no. 5 9-13 M '63

Gamma-aminobutyric acid system in animal brain following overexcitation. *A. A. Syutskiy, P. L. Avenitova, Biokhimiya* 28 no. 6 589-593 '66

Mechanisms of the action of dopamin. *E. N. Popova, Zhur. nevro. i psikh.* 67 no. 1 129-131 '67

Methodology of determining the content of gamma-aminobutyric acid in brain tissue. *E. L. Avenitova and others, Vop. med. khim.* 12 no. 6 633-636 N-D '66

Phospholipids in rat brain in ontogenesis. *K. G. Manukhian, A. A. Smirnov, E. V. Chirkovskaya, Biokhimiya* 28 no. 5 585-585 S-O '62

Phosphorus metabolism of phospholipids in the brain in ontogenesis. *K. G. Manukhian, A. A. Smirnov, E. V. Chirkovskaya, Biokhimiya* 28 no. 2 246-252 M-Ap '63

Some transformations of glutamic acid in rat brain tissue following disturbance of its function as a consequence of carbon monoxide intoxication. *L. I. Akhshenko, S. R. Cherkov, Upr. biokhimiya* 30 no. 6 585-589 '66

Spatial analysis of the bioelectric activity of the brain. *M. N. Lavanov, Zhur. vys. nauch. issled.* 12 no. 3 398-409 M-Je '62

Sympathetic nature of "spontaneous" impulses recorded in the common nerve trunk of the frog. *M. V. Kizyon, F. V. Korytova, Biol. eksp. biol. med.* 55 no. 5 5-8 M '63

Tyrosine content in brain proteins of rats exhausted by repeated convulsive fits. *K. I. Pogodov, N. F. Tutova, Upr. biokhimiya* 30 no. 6 596-599 '66

## BRAIN--ABSCESS

Five cases of atypical course in otogenic brain abscesses. *I. A. Kasumov, M. K. Ter-Chigorian, Azerb. med. zhur.* 40 no. 4 166-168 Ap '63

## BRAIN--BLOOD SUPPLY

Effect of single therapeutic doses of aminazine on cerebral blood circulation in schizophrenia according to rheoencephalographic data. *T. A. Nevrova, I. U. N. Frol'ovskiy, Zhur. nevro. i psikh.* 67 no. 1 123-125 '67

Intrinsic mechanisms contributing to the collateral circulation in the brain. *G. I. Nichedilshvili, M. G. Devdiant, Pat. fiziol. i eksp. ter.* no. 3 20-24 '61

New data on the mechanism of intracranial blood circulation. *A. I. Naumenko and others, Fiziol. zhur.* 48 no. 10 1253-1259 O '62

Ultrastructure of cerebral capillaries. *N. N. Bogolepov, Zhur. nevro. i psikh.* 66 no. 12 1797-1802 '66

## BRAIN--DISEASES

**Akademika meditsinskikh nauk SSSR, Institut eksperimental'noi meditsiny.** [Role of deep structures of the human brain in the mechanisms of pathological reactions; materials for a symposium, June 10-12, 1965.] *Rol' glubokikh struktur golovnoy mozga cheloveka v mekhanizmach patologicheskikh reaktsii, materialy k simpoziumu, 10-12 iyunia 1965 g.* Leningrad, 1965, 120 p. (DNL4)

Causes of birth of children with cerebral defects. *B. N. Klovskiy, Vest. AN SSSR* 17 no. 10 32-39 '62

Chronic hypocalcemic encephalopathy in idiopathic hypoparathyroidism. *P. O. Chichanova, R. Raichev, K. Kostov, Zhur. nevro. i psikh.* 66 no. 12 1782-1788 '66

Clinical and morphological characteristics of acute oxygen starvation. *M. I. Fedorov, Zhur. nevro. i psikh.* 63 no. 1 19-26 '63

Diagnosis of hypertension with predominant brain symptoms. *A. I. Kozlova, Zhur. nevro. i psikh.* 63 no. 1 56-60 '63

Disorders in the maturation of brain lesions. *N. A. Popova, Sov. med.* 26 no. 1 72-75 M '63

Early typical diagnosis of intracranial injuries in newborn infants. *I. Ch. Novikova and others, Vest. AN SSSR* 17 no. 10 14-18 '62

Encephalopathy. *A. M. Veger, Sov. med.* 26 no. 1 71-75 '63

Organic brain diseases in schizophrenia. *S. B. Khramov, Zhur. nevro. i psikh.* 67 no. 1 113-118 '67

Problems of the localization of functional disorders of the movement analyzer during the clinical course of cerebral lesions. *L. B. Litvak, Zhur. nevro. i psikh.* 66 no. 12 1715-1751 '66

Reciprocal forms of bilateral disorders of bioelectric activity in focal cerebral lesions. *D. G. Shumilkin, Zhur. nevro. i psikh.* 66 no. 12 1763-1768 '66

## BRAIN--INFLAMMATION see Encephalitis

## BRAIN--LOCALIZATION OF FUNCTIONS

Elementary temporary connections produced by the association of electrical stimulation of various cerebral structures. *M. N. Ushakov, Zhur. vys. nauch. issled.* 12 no. 3 510-516 M-Je '62

L. S. Vygodskiy and the problem of localization of functions. *A. R. Lur'ya, Vop. psikh.* 12 no. 6 75-81 '66

Localization of function in the cerebral cortex in man. Report No. 2. Conditional response activity in motor excitation of the cortex of the cerebral lobes. *D. G. Shumilkin, Biol. eksp. biol. med.* 55 no. 6 619-624 Je '63

Problems of the localization of functional disorders of the movement analyzer during the clinical course of cerebral lesions. *L. B. Litvak, Zhur. nevro. i psikh.* 66 no. 12 1715-1751 '66

Spatial synchronization of alpha-activity in the cerebral cortex of patients with parietal infarction. *V. G. Piskunov, V. A. Tolstikov, Zhur. nevro. i psikh.* 67 no. 1 76-81 '67

## BRAIN--SURGERY

Analysis of the characteristics of the electrical activity of the cerebral cortex after resection of the brain lesion by the Bremer technique in dogs at different age periods. *L. I. Gokhlik, L. A. Kovalenko, Biol. eksp. biol. med.* 55 no. 6 14-19 Je '63

State of the cerebral nuclei following excision of the cortex and total excision of the large cerebral hemisphere. *K. I. Novikova, Biol. eksp. biol. med.* 55 no. 6 1202-1201 Je '63

## BRAIN--TUMORS

Analysis of the frequency spectrum of human electroencephalogram in focal changes in the cerebral cortex. *O. M. Grinberg, Zhur. vys. nauch. issled.* 13 no. 4 517-534 M-Ap '63

## BRAIN--WOUNDS AND INJURIES

Catecholamines in acute closed craniocerebral trauma in man. *L. S. Matina, Izv. Vses. nauch. issled. inst. bot.* 20 no. 1-14 1963

"Changes in the brain and spinal cord in a closed trauma of the cranium" by B. I. Shapovalov. *Zhur. nevro. i psikh.* 63 no. 1 156-157 '63

Disorders and recovery of motor functions in dogs following lateral hemisection of the spinal cord. *S. N. Ivanov, Biol. eksp. biol. med.* 55 no. 6 120-122 M '63

## BRAINSTEM

Species differences in the reactions of cholinergic and adrenergic structures of the brainstem. *N. A. Khramov, Trudy LPMI* no. 32 165-169 '64

## BRAKES--MAINTENANCE AND REPAIR

Organizing repair of electromechanical automatic brakes. *A. T. Mulyukin, Zhel. dor. transp.* 48 no. 6 176-79 Je '66

**BRATSK (IRKUTSK PROVINCE)--RAILROAD BRIDGES** dismantling metallic span structures using floating supports. *P. I. Baklanov, S. M. Trifunov, Trup. stroit.* 11 no. 11 19-23 N '61

## BRAZIL--UKRAINIAN

**Butko, Vasyli.** [Vasyli's story; recollections of a Ukrainian born in Brazil.] *Vasylova istoriya, spohady ukrainetsa, rodzenoho v brazylii Prudentopolis, oo. Vasyliian, 1963. 130 p.* (U)

## BREAKDOWN, ELECTRIC

Studying breakdown of sodium chloride in micron and submicron range of thickness. *I. S. Plakova, Fiz. i ter.* 6 no. 7 2242-2244 J1 '66

## DREAM see subdivision under Kuybyshev Reservoir

## BREAST--CANCER

Breast cancer in males. *V. M. Stepanov, G. V. Fomenkin, Trudy Novokuz GIDUVA* 32 129-131 '65

Changes in the morphological structure of breast cancer under the effect of radiotherapy. *E. L. Melnikova, Vop. onk.* 12 no. 12 14-19 106

## BREAST—CANCER (Continued)

Combined treatment of gastric cancer and breast cancer with the use of radioactive gold. V. M. Sitenko and others. Vop. onk. 12 no. 12:10-13 '66.

Comparative evaluation of the international clinical (TNM) and Soviet clinical and morphological classification of breast cancer. S. A. Khudlin, L. I. Shepkht. Vop. onk. 12 no. 12:3-6 '66.

Decidual transformation of the uterine mucosa in a patient with breast cancer as a manifestation of general hormonal disorders. A. K. Ageev. Vop. onk. 9 no. 3:116-118 '63.

Historochemical estimation and content of ketosteroids in the urine of males gynaecomastia and cancer of the breast. A. I. Onatyshek and others. Klin. onk. no. 1:180-186 '65.

Lymphogenic metastasis and its significance for rational planning of the treatment of breast cancer. S. A. Khudlin, L. I. Dymarskii. Vop. onk. 9 no. 3:96-102 '63.

Morphogenesis of breast cancer developed on the basis of fibroadenomatosis. N. K. Dikhanova. Klin. onk. no. 1:151-156 '65.

Pozdnukhov, L. G., and V. A. Rasponomareva. [Cancer of the breast] Rak molochinnoy zhelezy. Alma-Ata, "Kazakhstan," 1966. 36 p. (DNLM)

Selection of a method of inhibiting the function of ovaries in breast cancer. L. I. Kotenevskii, M. P. Ishchenko. Klin. onk. no. 1:101-110 '65.

Sex chromatin in benign and malignant tumors of the breast and testicle. V. I. Loboda, K. P. Gintin. Klin. onk. no. 1:168-175 '65.

Siphon drainage in radical mastectomies for cancer. F. A. Volnov. Klin. onk. no. 1:85-87 '65.

Use of this-TTPA in the treatment of breast cancer. V. I. Ivanishvili. Vop. onk. 9 no. 3:103-108 '63.

## BREAST—DISEASES

Differential X-ray diagnosis of diseases of the breast. E. D. Gasytkovskaya. Tudy Novokuz GIDUVA 32:127-128 '65.

Functional treatment of the breast in pregnant and parturient women as a method of nipple crack control. A. M. Mazaev. Azerb. med. zhurn. no. 3:29-32 May '62.

Significance of follicular ovarian cysts in the development of mastopathy. M. N. Kozhanov. Probl. endok. i gorm. 9 no. 1:95-98 Jan '63.

## BREAST—SURGERY

Prevention of scissuras as complications of radical mastectomy. I. U. L. Gupka, R. I. Sendetskaya. Klin. onk. no. 1:88-91 '65.

Siphon drainage in radical mastectomies for cancer. F. A. Volnov. Klin. onk. no. 1:85-87 '65.

## BREAST—TUMORS

Phase and fluorescent microscopy of cellular scraping elements from sections of breast fibroadenomatosis. A. N. Mel'nik. Klin. onk. no. 1:141-150 '65.

Possibilities of cytological examination in the diagnosis of breast tumors under the conditions of a polyclinic. K. A. Agamova, L. M. Chalkov. Vop. onk. 12 no. 12:6-10 '66.

Prevention of scissuras as complications of radical mastectomy. I. U. L. Gupka, R. I. Sendetskaya. Klin. onk. no. 1:88-91 '65.

## BREDER, WILLI, 1901-1965?

Willi Bredel as writer, historian, and revolutionary. V. O. Lavin. Ukr. ist. zhurn. 10 no. 12:90-99 D '66.

## BREMSTRAHLUNG

Bremstrahlung of photon in high-energy electron collisions. V. B. Baler, V. S. Radin, V. A. Khoze. Zhur. eksp. i teor. fiz. 51 no. 4:1135-1142 O '66.

Possibility for recording the bremsstrahlung from radioactive phosphorus in vivo on man. V. I. Feoktistov, V. I. Lapchenkov. Vop. radiobiol. 4:115-120 '61.

## BREST—ARCHITECTURE—STUDY AND TEACHING

The birth of an institute. M. Dubovskii. Vest. vys. shkoly 24 no. 12:33-40 D '66.

## BREST—THEATER

Six evenings in Brest. I. Vasilina. Teatr. 24 no. 7:86-92 Ji '63.

## BREST PROVINCE—SOCIAL GROUP WORK

A bridge of friendship. A. Vollovich. Agitator 34 no. 23:16-10 D '66.

## BREVIBACTERIUM—CULTURES AND CULTURE MEDIA

Effect of nutrient medium components on lysine biosynthesis by Brevibacterium 22 culture. L. S. Kuteeva, N. M. Kluvaeva. Prikl. biokhim. i mikrobiol. 2 no. 6:720-731 N-D '66.

## BREWERIES

Parametric series of the production lines in breweries. H. J. Berlin. Spirt. prom. 28 no. 5:14-17 '62.

## BREWRIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Belgorod)

Mechanization of yeast transportation. A. I. Feldman. Spirt. prom. 28 no. 5:17-18 '62.

## BREWING

From the experience in the processing of the "kubaneck" barley. I. I. Dudkina. Spirt. prom. 28 no. 5:36 '62.

Over-saturation of beer with carbon dioxide. A. F. Aslanov. Spirt. prom. 28 no. 5:8-9 '62.

## BREWING INDUSTRY

(see also subdivision under Baltic States)

Prospects for the expansion of the distilling, liqueur-vodka, brewing and soft drinks industries. V. G. Pykhov. Spirt. prom. 28 no. 5:1-6 '62.

## BREWING INDUSTRY—EQUIPMENT AND SUPPLIES

(see subdivision under Kharkov)

## BREWING INDUSTRY—RESEARCH

Basic trends in the work of the Central Scientific Research Institute of the Brewing, Soft Drinks, and Wine Industry. M. T. Denashnikov. Spirt. prom. 28 no. 4:5-7 '62.

## BRICKMAKING MACHINERY

Manufacture of clay brick using the SM-266 A brick-molding aggregate. A. Romanov. Stroi. stroi. 16 no. 11:23-24 N '61.

## BRICKS

Results of using defective bricks. T. Vindimitova. Na stroi. stroi. 1 no. 10:33 O '63.

## BRICKS—DRYING

Brickakov, S. V. [Drying bricks] Sushka klinkera. Moskva, Stroizdat, 1966. 175 p.

## BRIDGE CIRCUITS

Analytical method for studying transient and steady-state processes in a three-phase bridge rectifier network. I. A. Zborovskii, A. A. Ianko-Pimitskii. Elektr. tekhnika no. 12:3-6 D '66.

Calculation of some errors of double transformer measuring bridges. V. P. Karpenko. Avtomatika no. 3:122-125 '66.

Design of toroidal transformers with minimum winding resistance for bridge circuits. A. L. Grokholskii, E. L. Koshcheev, N. F. Shumilov. Avtomatika no. 5:114-117 '66.

Effect of transient processes on the accuracy of a single-channel differential detector. I. U. A. Skupnik. Avtomatika no. 3:66-75 '66.

Measuring circuit of a double digital d. c. bridge. V. P. Kotel'nikov. Avtomatika no. 3:16-18 '66.

Measuring circuit of an automatic digital d. c. bridge. I. B. Ginevich, A. V. Chebotarev. Avtomatika no. 3:11-15 '66.

## BRIDGES

Grid span structure of a pedestrian overbridge. R. I. Bergen. V. S. Sibir. Avt. dor. 29 no. 12:10-11 D '66.

High-strength bolts prevent derangement of rivets and crack formation. G. K. Evgrafov, V. O. Osipov. Puti i put. stroi. 10 no. 8:26-28 '66.

## BRIDGES—DESIGN AND CONSTRUCTION

(see also subdivision under Ob' Valley)

Asphalt concrete pavement on metallic bridge floors. V. A. Zakharov. Avt. dor. 20 no. 11:10-11 N '66.

Calculation method and the accuracy of geodetic work in building bridges. A. F. Lints. Izv. vys. ucheb. zav., geod. i aerof. no. 3:3-9 '62.

Construction of a road bridge. V. V. Alekseev, Sh. A. Vakaman, N. M. Giotov. Transp. stroi. 11 no. 12:17-18 D '61.

Helicopters in bridge construction. M. G. Lazebnikov. Avt. dor. 20 no. 11:13-14 N '66.

Kirillov, V. S., ed. [Bridge construction] Stroitel'svo moskov. [By] N. M. Kolokolov i dr. Moskva, Transport, 1966. 576 p.

Recent developments in the construction technique. Stroi. i arkh. Len. 25 no. 5:36 May '63.

Torgonskii, M. N., V. P. Klotov, and V. S. Bralin. [Construction of logging roads and artificial structures] Stroitel'svo lesovoznykh dorog i iskusstvennykh sooruzhenii. Izd. 2., 1. apr. 1. dop. Moskva, Lesnaya promyshl., 1966. 390 p.

Use of prestressed elements in a bridge support. A. M. Pomerantsev, I. U. V. Krostetov, A. F. Lobanov. Transp. stroi. 11 no. 12:42-44 D '61.

## BRIDGES—FOUNDATIONS AND PIERS

Anchored bridge footings. E. F. Dubrov. E. L. Trakhtenberg. G. B. Fuks. Avt. dor. 20 no. 12:23 D '66.

## BRIDGES, CONCRETE

Tiling method of manufacturing the blocks of a span structure. D. S. Alizkov. Transp. stroi. 11 no. 11:53-54 N '61.

## BRIDGES, CONCRETE—DESIGN AND CONSTRUCTION

Lateral stability of double arches, calculating in matrix form. I. U. V. Krotov. Izv. vys. ucheb. zav., stroi. i arkh. 9 no. 9:48-57 '60.

## BRIDGES, PREFABRICATED

(see also subdivision under Vilnius)

Small-span prefabricated framed continuous bridge. Z. Vetsvagaia. Avt. dor. 20 no. 11:11-12 N '66.

## BRIL', PESSA DAVIDOVNA, a 1905

Pessa Davidovna Brill, an obituary. Zhur. neur. i psikh. 66 no. 12:1880 '66.

## BRIQUETS

Justification of forms and sizes of the opening of the machine of press-granulators. G. A. Fainbryn. Zap. LKSH 96:275-281 '65.

Making of 15% ferro-silicon with a liquid charge. S. I. Khatnik and others. Stal. 26 no. 12:1108-1109 D '66.

## BRIQUETS (FUEL)

Experimental roasting of briquets from coals with reduced roasting properties. E. M. Taitis and others. Koks i khim. no. 10:18-20 '66.

Pelletizing small classes of coal. O. N. Mashenkov, K. I. Syrov. Koks i khim. no. 10:9-11 '66.

## BRUSOV, VALERII IAKOV LEVICH, 1873-1924

Realizing the dreams of a poet. M. Vasil'ev, R. Shcherbakov. V mire knig 6 no. 10:35 O '66.

## BRNO—EXHIBITIONS

International 1966 Fair in Czechoslovakia. P. P. Iebedev. Vest. mashinost. 16 no. 1:170-17 D '66.

## BROAD BEAN

Transformation of proteins and nonprotein nitrogen-containing substances in the ripening of broad beans (Vicia faba L.). V. G. Klimenko, A. D. Bevezovikov. Biokhimiia 28 no. 2:238-245 May-Apr '63.

## BROD, IGNAATTI OSIPOVICH, 1902-1962

Ignatii Osipovich Brod; an obituary. P. I. Kaldin and others. Izv. AN Turb. SSR, Ser. fiz.-teld., khim. i geol. nauk no. 6:121-124 '62.

## BROMEGRASS see subdivision under Ukraine

## BROMINATION

Mobility of hydrogen atoms in monohydric fluorocarbons and in related compounds, found by bromination of 2-monohydric fluorocarbons and esters of  $\alpha$ -hydroxy fluorocarboxylic acids. S. T. Kozharskii, P. M. Koshkin, I. L. Kuznetsov. Zhur. VkhO 11 no. 6:709-710 '66.

## BROMINE—PHYSIOLOGICAL EFFECT

Characteristics of time conditioned motor-defensive response. A. P. Kovlin and others. Zhur. vys. i sred. shkol. 13 no. 4:686-694 Ji-Ag '63.

## BRONCHII—CANCER

Resection of the carina of the tracheal bifurcation and medial walls of both main bronchi with simultaneous pneumonectomy for malignant adenoma. N. D. Gaisin, L. A. Maksimov. Khirurgia 12 no. 11:81-81 N '66.

## BRONCHIECTASIS

Surgical treatment of bronchiectasis. A. P. Kolesov and others. Khirurgia 39 no. 2:95-100 F '63.

## BRONCHIOSCOPY

Contrast media used in bronchography. G. V. Pannenshin. Tudy Novokuz GIDUVA 32:72-75 '65.

Effect of ultrasound on oil suspension of barium sulfate. Preliminary report. G. V. Pannenshin. Tudy Novokuz GIDUVA 32:147-150 '65.

Significance of segmental broncho- and angiotomography in differential diagnosis of the basic groups of spherical formations in the lungs. M. G. Vinograd. Khirurgia 42 no. 11:81-89 N '66.

## BRONZE AGE see subdivision under Caucasus; Tuva A.S.S.R.

## BRONZE FOUNDED

Changes in the mechanical properties of bronze depending on the method of casting. L. R. Bronval, L. I. Pribiv. no. 12:31 D '66.

## BROWNIAN MOVEMENTS

Brownian movement in critical point of two-phase liquid-liquid equilibrium. I. A. Bal'kevich, V. G. Morlynets, E. V. Matrosov. Zhur. eksp. i teor. fiz. 51 no. 4:967-988 O '66.

## BRUCELLA

Disinfecting raw intestines infected with the pathogens of brucellosis. K. F. Lukina. Veterinaria 43 no. 12:88-91 D '66.

Resistance of Brucella strain No. 19 to environmental conditions. A. V. Selivanov. Shor. nauch. rab. SIBNVI no. 11:67-69 '62.

Studying some properties of the bacterial aerosol from strain No. 10 (Brucella abortus) A. V. Selivanov. Shor. nauch. rab. SIBNVI no. 11:71-73 '62.

Type specificity of brucellar phages. M. S. Drozhdevkina. Trudy Gos. nauch.-issl. protivochum. inst. 16:109-116 '59.

Disease activity of Brucella. S. P. Merinov. Zhur. mikrobiol., epid. i immunit. 43 no. 11:81-84 N '66.

Use of monoclonal sera in the indirect fluorescent antibody method for the differentiation of Brucella species. M. A. Chernysheva and others. Veterinaria 43 no. 11:18-19 N '66.

## BOTANY--ANATOMY

Certain characteristics of the anatomical structure of the embryo of the plant *H. G. Salsola* Ukr. bot. zhur. 20 no. 1-2 p. 1-13 '63

## BOTANY--EMBRYOLOGY

Cytological and morphological studies. Report No. 1 Embryology of the embryo of durum wheat and *Triticum aestivum* V. P. Buzhko Ukr. bot. zhur. 20 no. 1-13 '63

Cytological and morphological studies of the change of sex in hemp. Kh. I. U. Rukhovich Ukr. bot. zhur. 20 no. 1-13 '63

Some characteristics of the embryology of lupine. G. G. Furst Trudy Inst. gen. no. 26 128-133 '62

## BOTANY--MORPHOLOGY

Phases of organogenesis in diploid and tetraploid varieties of wheat. I. V. Murzhikova Trudy Inst. gen. no. 26 1-13 '62

## BOTANY, MEDICAL

(see also subdivision under Georgia; Latvia)

Balishin, K. P., A. L. Vorontsova, and A. M. Karpukhina. [Medicinal plants in the treatment of malignant tumors] Lekarskiye rasteniya v terapii zlokhachestvennykh opukholye. Kiev, Zdorov'ia, 1966 230 p. (DNLN)

Shukhmidin, V. N. [Forest drugstore, wild-growing medicinal plants] Tsenina apitka, dikorastushchie le' i sivennye rasteniya. Izd. 2, Perm', Permskoe knizhnoe izd-vo, 1966 147 p. (Priroda Permskoi oblasti) (DNLN)

Some problems in the cultivation of medicinal plants on the farm. S. G. Shchegoleva Ap' delo 12 no. 1-12-13 Jan. '63

## BOTANY, MEDICAL--MAPS

Mapping the ranges of medicinal plants of the flora of the USSR (taking into account their distribution by families and species) I. F. Musayev Rost. res. 2 no. 4 481-493 '63

## BOTRYTIS

Participation of dehydrogenases in the protective reactions of cabbage against Botrytis cinerea. T. M. Ivanova, B. A. Rubin Biokhimiya 28 no. 2, 288-294 Mar.-Apr. '63

## BOTTLE WASHING MACHINES

Mass transfer in the process of bottle washing. G. S. Kodin, Spil. prom. 28 no. 5, 9-12 '62

Spraying of a tilted bottle. G. S. Kodin, Spil. prom. 28 no. 4 17-21 '62

## BOTULISM--MICROBIOLOGY

Clostridium botulinum F. Report No. 4 Producing of rabbit antitoxin serum. I. M. Mikhailova Zhur. mikrobiol., epid. i immun. 43 no. 11 56-62 Nov. '66

Study on some factors influencing the authenticity of botulin and tetanus antitoxin titers following the flocculation reaction. A. A. Vorob'ev, Z. A. Voronova Zhur. mikrobiol., epid. i immun. 33 no. 6 77-81 Jun. '62

## BOUNDARY LAYER

Using polynomials of the sixth degree in calculating boundary layer in the presence of suction. L. F. Kozlov, A. I. Tyganuk, Prikl. mekh. 2 no. 11, 112-117 '65

## BOUNDARY VALUE PROBLEMS

Asymptotic behavior of the eigenvalues and eigenfunctions in a boundary value problem. S. S. Krut'ka, Dop. AN URSS no. 7, 869-871 '63

Conditions for existence of the Green's function in a boundary value problem. V. A. Churikov, Dif. urav. 2 no. 9, 1103-1102 S '66

Existence theorems for nonlinear boundary value problems. G. N. Zhelezakov, I. V. Kornienko, F. L. Tonkov Dokl. AN BSSR 10 no. 9-626-628 '65

Numerical methods for finding optimum controls and their use in solving nonlinear boundary value problems. I. V. Beiko Vych. mat. [Kiev] no. 2:195-201 '66

Solution of certain external boundary problems for the earth's surface. V. V. Brovar, Izv. vys. ucheb. zav. geod. i aerof. no. 1:55-72 '63

Solutions to a boundary value problem for stochastic differential equations. Han' Chzhan-tsiung [Kan Chang-ch'uan] Dop. AN URSS no. 11 1421-1425 '62

Use of Schwarz's method in solving Dirichlet problem in doubly connected region. V. V. Lukovich Vych. mat. [Kiev] no. 2:139-143 '65

Use of the contour integral method in solving mixed problems with mixed type boundary conditions. M. L. Rastulov, Dif. urav. 2 no. 9 1201-1013 S '66

BOW AND ARROW see subdivision under Soviet Central Asia

## BOX MAKING

Kil'kovskii, P. Ia. [Boxes from fiber materials] Iashechki iz voloknitsykh materialov. Moskva, Tsentr. nauchno-issled. infor. mats. i tekhniko-ekon. issledovaniy po lesnoi, tsellulozno-bumazhnoi, derevoobrabatovayushchei promyshli, i lesemu khoz., 1966. 63 p. (Tara i upakovka) [MICROFILM]

BRACHIOPODA, FOSSIL see subdivision under Russian Platform

## BRAIN

Comparison of the conditions of system formation in various functional states of the nervous activity in the child. M. M. Koltsova Zhur. vys. nerv. deiat. 13 no. 4, 626-630 Jul.-Ag. '63

Conditions necessary for system formation in various functional states of nervous activity in the child. P. N. Degtiar' Zhur. vys. nerv. deiat. 13 no. 6, 631-637 Jul.-Ag. '63

Content of free amino acids adjacent to thienothymine acid cycle in brain following X-ray irradiation. A. G. Pukhov, I. I. Dvoryagin Dokl. AN BSSR 10 no. 10: 789-791 O '66

Correlation between the positional position of the reticular formation and the small intestine. O. P. Dobomytova, A. A. Zubkov Biol. eksp. biol. i med. 55 no. 5 13-16 May '63

Characteristics of the interaction of signal systems under the influence of Schizandra chinensis V. V. Lastovetski, R. S. Roman' Zhur. vys. nerv. deiat. 13 no. 4 604-604 Jul.-Ag. '63

Effect of decreasing temperature on the binding of telomycin in the central nervous system of warm-blooded animals. I. U. Filis, E. Rashkova Trudy LPMI no. 32 178 182 '63

Effect of the compensation of excessive intrapulmonary pressure on the oxygen tension in brain tissues during ascents to great heights. E. A. Kovalenko, G. V. Babchinskii, Fiziol. zhur. 48 no. 10 1203-1208 O '62

Electrographic data on the work of "biological clock" in the human brain. I. G. Voronin, V. P. Kenovnikov, Vop. psikh. 12 no. 5:87-91 N-D '66

Electrophysiological data concerning the connections of the pallidum with other sections of the central nervous system in man. Report No. 2, Connections of the pallidum with the spinal cord centers and autonomic tract formations. L. N. Gilman and others Biol. eksp. biol. i med. 55 no. 5 9-13 May '63

Gamma-aminobutyric acid system in animal brain following overexposure. I. A. Sytinski, F. L. Avenova Ukr. biokhimi. zhur. 38 no. 6 590-595 '66

Mechanism of the action of indopav. E. N. Popova, Zhur. nev. i psikh. 67 no. 1 125-131 '67

Methodology of determining the content of gamma-aminobutyric acid in brain tissue. E. L. Avenova and others. Vop. med. khim. 12 no. 6, 633-635 N-D '66

Phospholipids in rat brain in ontogenesis. K. G. Manukian, A. A. Smirnov, I. V. Chirkovskaya Biokhimiya 28 no. 5, 859-865 S-O '62

Phosphorus metabolism of phospholipids in the brain in ontogenesis. K. G. Manukian, A. A. Smirnov, I. V. Chirkovskaya Biokhimiya 28 no. 2, 246-252 Mar.-Apr. '63

Some transformations of glutamic acid in rat brain tissue following disturbance of its function as a consequence of carbon monoxide intoxication. L. I. Mikhchenko, S. R. Pienek' Ukr. biokhimi. zhur. 38 no. 6 585-589 '66

Spatial analysis of the bioelectrical activity of the brain. M. N. Livanov Zhur. vys. nerv. deiat. 12 no. 3 399-409 May-Je '62

Sympathetic nature of "spontaneous" impulses recorded in the common nerve trunk of the frog. M. V. Kuzov, F. V. Kopytova Biol. eksp. biol. i med. 55 no. 5:5-8 May '63

Tyrosine content in brain proteins of rats exhausted by repeated convulsive fits. K. I. Pogodaev, N. F. Turova Ukr. biokhimi. zhur. 38 no. 6 596-598 '66

## BRAIN--ABSCESSES

Five cases of atypical course in otogenic brain abscesses. I. A. Kozumov, M. K. Ter-Ghigorian, Azerb. med. zhur. 40 no. 4, 680-69 Apr. '63

## BRAIN--BLOOD SUPPLY

Effect of single therapeutic doses of aminazine on cerebral blood circulation in schizophrenia according to rheoencephalographic data. T. A. Nevzorova, I. N. Fedorovskii, Zhur. nev. i psikh. 67 no. 1 123-125 '67

Intimate mechanisms contributing to the collateral circulation in the brain. G. I. Medvedevskii, M. G. Devdariani, Fiziol. i eksp. ter. no. 3:20-24 '64

New data on the mechanism of intracranial blood circulation. A. I. Naumenko and others, Fiziol. zhur. 48 no. 10:1253-1259 O '62

Ultrastructure of cerebral capillaries. N. N. Bogolepov, Zhur. nev. i psikh. 66 no. 12:1797-1802 '65

## BRAIN--DISEASES

Akademika meditsinskikh nauk SSSR, Institut eksperimental'noi meditsiny. [Role of deep structures of the human brain in the mechanisms of pathological reactions; materials for a symposium, June 10-12, 1965] Rol' glubokikh struktur golovnogo mozga cheloveka v mekhanizмах patologicheskikh reaktsii; materialy k simpoziumu, 10-12 iunia 1965 g. Leningrad, 1965. 120 p. (DNLN)

Causes of births of children with cerebral defects; data for the development of rational prenatal prophylaxis. B. N. Kiosovskii Vest. AMN SSSR 17 no. 10:32-39 '62

Chronic hypotensive encephalopathy in idiopathic hypoparathyroidism. P. Ovcharova, R. Raichev, K. Kostov, Zhur. nev. i psikh. 66 no. 12:1782-1788 '66

Clinical and morphological characteristics of acute encephalitis. A. I. Fedorov, Zhur. nev. i psikh. 67 no. 1:10-26 '63

Dimethylmethyl in hypotension with paroxysmal symptoms. A. I. Sazonova Zhur. nev. i psikh. 66 no. 1:58-60 '63

Disorders in the morphological brain lesions. V. A. Popova Sov. med. 26 no. 3 72-75 May '63

Embolism of the intracranial arteries in newborn infants. E. Ch. Novikova and others Vest. AMN SSSR 17 no. 10 11-48 '62

Encephalopathy. A. M. Veger Sov. med. 21 no. 12: 127 D '66

Organic brain diseases in schizophrenia. I. S. M. Zhur. nev. i psikh. 67 no. 1 113-118 '67

Problems of the localization of functional disorders of the movement analyzer during the clinical and experimental lesions. L. B. Litvak Zhur. nev. i psikh. 66 no. 12 1715-1731 '66

Reciprocal forms of bilateral disorders of the activity in focal cerebral lesions. T. G. Shpil'man Zhur. nev. i psikh. 66 no. 12 1763-1768 '66

## BRAIN--INFLAMMATION see Encephalitis

## BRAIN--LOCALIZATION OF FUNCTIONS

Elementary temporary connections produced by the association of electrical stimulation of various structures. I. M. Mikhlin Zhur. vys. nerv. deiat. 12 no. 3 510-516 May-Je '62

L. S. Vygodskii and the problem of localization of functions. A. R. Lurina, Vop. psikh. 12 no. 5:5-6 Jun. '66

Localization of function in the cerebral cortex in rats. Report No. 2, Conditioned response activity in the excitation of the cortex of the occipital lobe. V. A. Tkhu Biol. eksp. biol. i med. 55 no. 5 49-24 Jun. '63

Problems of the localization of functional disorders of the movement analyzer during the clinical and experimental lesions. L. B. Litvak Zhur. nev. i psikh. 66 no. 12 1715-1731 '66

Spatial synchronization of  $\alpha$ -activity in the cerebral cortex of patients with paraneoplastic encephalitis. V. A. Pankina, V. A. Talavtina Zhur. nev. i psikh. 66 no. 1 76-83 '67

## BRAIN--SURGERY

Analysis of the characteristics of the electrical activity of the cerebral cortex after section of the trigeminal (by the Bremer technique) in dogs at different periods. I. I. Gokhbit, I. A. Kornienko Biol. eksp. biol. i med. 55 no. 6:14-19 Je '63

State of the cerebellum nuclei following extirpation of the cortex and total excision of the large cerebellar hemisphere. K. I. Naryshkova, Biol. eksp. biol. i med. 55 no. 6:102-104 Je '63

## BRAIN--TUMORS

Analysis of the frequency spectrum of human electroencephalograms in focal changes in the cerebral cortex. O. M. G. Indel' Zhur. vys. nerv. deiat. 13 no. 4 56-61 Jul.-Ag. '63

## BRAIN--WOUNDS AND INJURIES

Alcohol anesthesia in acute closed cranioencephalic trauma. E. Sh. Matlina, Trudy I-go MGU 43 52 '64

"Changes in the brain and spinal cord in a closed fracture of the cranium" by B. I. Shapov. Zhur. nev. i psikh. 63 no. 1:166-157 '63

Disorders and recovery of motor functions in dogs following lateral hemisection of the spinal cord. S. N. Zhur. nev. i psikh. 66 no. 5:29-32 May '63

## BRAINSTEM

Species differences in the reaction of cholinergic and adrenergic structures of the brainstem. N. A. Kozlov Trudy LPMI no. 32:165-169 '65

## BRACKS--MAINTENANCE AND REPAIR

Organizing repair of electropneumatic autoradiography. A. T. Pudovkin Zhel. doi. transp. 48 no. 6 74 Je '66

## BRATSK (IRKUTSK PROVINCE)--RAILROAD BRIDGES

Diamonding metallic span structures using Brat's support. P. I. Bakarev, S. M. Titonov, Transp. st. no. 11:10-23 N '61

## BRAZIL--UKRAINIANS

Burko, Vasil'. [Vasil's story; recollections of a Ukrainian born in Brazil] Vasyliya istoria, spohady ukrainitela, rodzenoho v brazylji. Prudentopol, oo. Vasyliian, 1963 130 p. (U)

## BREAKDOWN, ELECTRIC

Studying breakdown of sodium chloride in micro-submicron range of thickness. I. S. Piskova Fiz. i tekhn. 8 no. 7:2242-2244 Jul. '66

## BREAM see subdivision under Kuybyshev Reservoir

## BREAST--CANCER

Breast cancer in males. V. M. Stepanov, G. V. Puz's Trudy Novokuz. ODUVA 32:129-131 '65

Changes in the morphological structure of breast cancer under the effect of radiotherapy. E. L. Nefedova, Onk. 12 no. 12:114-19 '66



Effect of Vop.onk. 12 no 12 10-11 '66

**Comparative evaluation of the international clinical (TNM) and Soviet clinical and morphological classification of breast cancer.** S.A. Kholidin, L.I. Shipchik Vop.onk. 12 no 12 3-6 '68.

**Decidual transformation of the uterine mucosa in a patient with breast cancer as a manifestation of general hormonal disorders.** A.K. Ageev Vop.onk. 9 no 3: 116-118 '63.

**Histochemical examination and content of biotinoids in the urine of males gynecomastia and cancer of the breast.** A.I. Onatyschak and others Klin.onk. no 1 180-186 '65.

**Lymphogenic metastasis and its significance for rational planning of the treatment of breast cancer.** S.A. Kholidin, L.I. Shipchik Vop.onk. 9 no 3: 96-102 '63.

**Morphogenesis of breast cancer developed on the basis of fibroadenomatosis.** N.K. Diakonova Klin.onk. no 1 151-156 '65.

**Poydnukhov, L.G., and V.A. Rasponomareva.** [Cancer of the breast] Rak moleculno zhelozy. Alma-Ata, "Kazakhstan," 1966. 36 p. (DNLM)

**Selection of a method of inhibiting the function of ovaries in breast cancer.** L.I. Korotkevskii, M.P. Ishchenko, Klin.onk. no 1 104-110 '65.

**Sex chromatin in benign and malignant tumors of the breast and testicle.** V.I. Loboda, K.P. Ganna Klin.onk. no 1 168-175 '65.

**Siphon drainage in radical mastectomies for cancer.** F.A. Voinov Klin.onk. no 1 85-87 '65.

**Use of thio-TTPA in the treatment of breast cancer.** V.I. Ivanitskaya, Vop.onk. 9 no 3: 103-108 '63.

**BREAST—DISEASES**

**Differential X-ray diagnosis of diseases of the breast.** I.D. Gastyovskaya Trudy Novokuz GIDU'va 32:127-128 '65.

**Functional treatment of the breast in pregnant and parturient women as a method of nipple crack control.** A.M. Mezel Azerb med zhurno 3:29-32 Kh '62.

**Significance of follicular ovarian cysts in the development of mastopathy.** I.U. N. Kopepanov Izvbi endok igorm 9 no 1 95-98 Jan '63.

**BREAST—SURGERY**

**Prevention of sarcomas as complications of radical mastectomy.** I.U. I. Gun'ka, R.I. Sendetskaya Klin.onk. no 1 88-91 '65.

**Siphon drainage in radical mastectomies for cancer.** F.A. Voinov, Klin.onk. no 1 85-87 '65.

**BREAST—TUMORS**

**Phase and fluorescent microscopy of cellular scraping elements from sections of breast fibroadenomatosis.** A.N. Mel'nik Klin.onk. no 1 141-150 '65.

**Possibilities of cytological examination in the diagnosis of breast tumors under the conditions of a polyclinic.** K.A. Aganova, L.M. Chaikov, Vop.onk. 12 no 12 6-10 '66.

**Prevention of sarcomas as complications of radical mastectomy.** I.U. I. Gun'ka, R.I. Sendetskaya, Klin.onk. no 1 88-91 '65.

**BREDEL, WILLI, 1901-1965?**

Willi Breidel as writer, historian, and revolutionary. V.O. Lazina, Ukr. ist. zhurn. 10 no 12: 90-99 D '66.

**BREMSTRÄHLUNG**

**Reemission of photon in high-energy electron collisions.** V.B. Biter, V.S. Fadin, V.A. Khoze Zhur. eksp i teor fiz 51 no 4: 1133-1142 O '66.

**Possibility for recording the bremsstrahlung from radioactive phosphorus in vivo on man.** V.I. Feoktistov, V.I. Lapchenkov, Vop. radiobiol. 4: 116-120 '61.

**BREST—ARCHITECTURE—STUDY AND TEACHING**

**The birth of an institute.** M. Dubovskii, Vest. vys. shkoly 21 no 12: 33-40 D '66.

**BREST—THEATER**

**Six evenings in Brest.** I. Vasilina, Teatr 24 no 7: 86-92 Ji '63.

**BREST PROVINCE—SOCIAL GROUP WORK**

**A bridge of friendship.** A. Volovich, Agitator 34 no 23: 16-19 D '66.

**BREVBACTERIUM—CULTURES AND CULTURE MEDIA**

**Effect of nutrient medium components on lysine biosynthesis by Brevibacterium 22 culture.** L.S. Kutseva, N.M. Kiyeva, Prikl. biokhim. i mikrobiol. 2 no 6: 720-731 N-D '66.

**BREWERIES**

**Parametric series of the production lines in breweries.** R.I. Berlin, Spirt.prom. 28 no 6: 14-17 '62.

**BREWERIES—EQUIPMENT AND SUPPLIES**

(see also subdivision under Belgorod)

**Mechanization of yeast transportation.** A.I. Feldman, Spirt.prom. 28 no 5: 17-18 '62.

Over-saturation of beer with carbon dioxide. A.I. Aslanov, Spirt.prom. 28 no 5: 8-9 '62.

**BREWING INDUSTRY**

(see also subdivision under Baltic States)

**Prospects for the expansion of the distilling, liqueur-vodka, brewing and soft drinks industries.** V.G. Pyshov, Spirt.prom. 28 no 5: 1-6 '62.

**BREWING INDUSTRY—EQUIPMENT AND SUPPLIES**

see subdivision under Kharkov

**BREWING INDUSTRY—RESEARCH**

**Basic trends in the work of the Central Scientific Research Institute of the Brewing, Soft Drinks, and Wine Industry.** M.I. Denshchikov Spirt.prom. 28 no 1: 5-7 '62.

**BRICKMAKING MACHINERY**

**Manufacture of clay brick using the SM-296 A brick-molding aggregate.** A. Romanov, Sei. stroit. 16 no 11: 23-24 N '61.

**BRICKS**

**Results of using defective bricks.** T. Vladimirova, Na stol. Roz. 1 no 10: 31 O '63.

**BRICKS—DRYING**

**Basakov, S.V.** [Drying bricks] Sushka kirpicha, Moskva, Stroizdat, 1966. 175 p.

**BRIDGE CIRCUITS**

**Analytical method for studying transients and steady-state processes in a three-phase bridge rectifier network.** I.A. Zborovskii, A.A. Ianko-Tsindskii, Elektrichestvo no 12: 3-6 D '66.

**Calculation of some errors of double transformer measuring bridges.** V.P. Karpenko Avtomatika no 3: 123-125 '66.

**Design of toroidal transformers with minimum winding resistance for bridge circuits.** A.L. Gekhol'shii, D.F. Kashechov, N.F. Shmidoval, Avtomatika no 5: 111-117 '66.

**Effect of transient processes on the accuracy of a single-channel differential detector.** I.U. A. Skripnik Avtomatika no 3: 66-75 '66.

**Measuring circuit of a double digital d.c. bridge.** V.P. Kolebnikov, Avtomatika no 3: 16-18 '66.

**Measuring circuit of an automatic digital a.c. bridge.** F.B. Ginzvich, A.V. Chibotarov, Avtomatika no 3: 11-15 '66.

**BRIDGES**

**Glued span structure of a pedestrian overbridge.** H.I. Reigen, V.V. Siber, Avi. dor. 29 no 12: 10-11 D '66.

**High-strength bolts prevent derangement of rivets and crack formation.** G.K. Lygachov, V.O. Oshov, Puti i put. khoz. 10 no 9: 26-28 '66.

**BRIDGES—DESIGN AND CONSTRUCTION**

(see also subdivision under Ob' Valley)

**Asphalt concrete pavement on metallic bridge floors.** V.A. Zakharov, Avi. dor. 29 no 11: 10-11 N '66.

**Calculation method and the accuracy of geodetic work in building bridges.** A.T. Linto, Izv. vys. ucheb. zav., geod. i aerof. no 3: 4-9 '62.

**Construction of a road bridge.** V.V. Alekseev, Sh. A. Vaksmen, N.M. Gletov, Transp. stroit. 11 no 12: 17-18 D '61.

**Helicopters in bridge construction.** M.G. Larebnikov, Avi. dor. 29 no 11: 13-14 N '66.

**Kirillov, V.S., ed.** [Bridge construction] Stroitel'stvo mostov, [By] N.M. Kolokolov i dr., Moskva, Transport, 1966. 576 p.

**Recent developments in the construction technique.** Stroit. i arkh. Len. 25 no 5: 36 Ji '63.

**Torgonskii, M.N., V.P. Krotov, and V.S. Bratin.** [Construction of logging roads and artificial structures] Stroitel'stvo lesvoznykh dorog i iskusstvennykh sooruzhenii, Izd. 2, 18 p. i dop. Moskva, Lesnizapromyshl., 1966. 380 p.

**Use of prestressed elements in a bridge support.** A.M. Pomerantsev, I.U. V. Kostev, A.E. Ichanov, Transp. stroit. 11 no 12: 42-44 D '61.

**BRIDGES—FOUNDATIONS AND PIERS**

**Anchored bridge footings.** E.P. Dubova, E.L. Trakhtenberg, G.B. Tuke, Avi. dor. 29 no 12: 23 D '66.

**BRIDGES, CONCRETE**

**Tiling method of manufacturing the blocks of a span structure.** D.S. Alizikov, Transp. stroit. 11 no 11: 53-54 N '61.

**BRIDGES, CONCRETE—DESIGN AND CONSTRUCTION**

**Lateral stability of double arches; calculating in matrix form.** I.U. V. Krotov, Izv. vys. ucheb. zav., stroit. i arkh. 9 no 9: 48-57 '66.

**BRIDGES, PREFABRICATED**

(see also subdivision under Vilnius)

**Small-span prefabricated framed continuous bridge.** Z. Vetsvagers, Avi. dor. 28 no 11: 11-12 N '66.

66 no 12 10:0 1966

**BRIQUETS**

**Justification of forms and sizes of the opening of the matrix of press-aggregators.** G.I. Faibman, Zap. LSIIM 16: 275-281 '65.

**Making of 15% formolite with briquetted charge.** S.I. Khritik and others, Stal' 26 no 12: 1108-1110 D '66.

**BRIQUETS (FUEL)**

**Experimental coking of briquets from coals with reduced coking properties.** E.M. Taitis and others, Koks i khim. no 10: 18-20 '66.

**Peletizing small classes of coal.** O.N. Mashonkov, K.I. Syrov, Koks i khim. no 10: 9-11 '66.

**BRUSOV, VALERIY IAKOVLEVICH, 1873-1924**

**Realizing the dreams of a poet.** V. Veselov, R. Shcherbakov, Vmest. knig. 6 no 10: 37 O '66.

**BRNO—EXHIBITIONS**

**International 1966 Paříž in Czechoslovakia.** P.P. Ichedev, Vest. mashinost. 16 no 12: 11-17 D '66.

**BROAD BEAN**

**Transformation of proteins and nonprotein nitrogen-containing substances in the ripening of broad beans (Vicia faba L.).** V.G. Khimenko, A.P. Dzerovikov, Biokhimiia 20 no 2: 238-245 Kh-Ap '63.

**BROD, IGNAZI OSEPOVICH, 1902-1962**

**Ignati Osepoich Brod; an obituary.** P.I. Kalugin and others, Izv. AN Turk. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk. no 6: 121-124 '62.

**BROMEGRASS** see subdivision under Ukraine

**BROMINATION**

**Mobility of hydrogen atoms in monohydriperfluoralkanes and in related compounds; ion bromination of 2-mono-hydriperfluoralkane and esters of  $\alpha$ -hydriperfluorocarboxylic acids.** S.T. Korshakov, A.M. Rozhalin, I.I. Kuantants, Zhur. VKO II no 6: 709-710 '66.

**BROMINE—PHYSIOLOGICAL EFFECT**

**Characteristics of a conditioned motor defensive response.** A.P. Kovtun and others, Zhur. vys. shkol. 13 no 4: 686-694 Ji-Ag '63.

**BRONCHI—CANCER**

**Resection of the carina of the tracheal bifurcation and medial walls of both main bronchi with strict lateral pneumonectomy for malignant adenoma.** N.D. Garm, I.A. Mukosimov, Khirurgia 12 no 11: 81-81 N '66.

**BRONCHIECTASIS**

**Surgical treatment of bronchiectasis.** A.P. Kolev and others, Khirurgia 39 no 2: 95-100 I '63.

**BRONCHOSCOPY**

**Contrast media used in bronchography.** G.V. Panashin, Trudy Novokuz GIDU'va 32: 72-75 '66.

**Effect of salt aerosol on oil suspension of barium sulfate.** Preliminary report. G.V. Panashin, Trudy Novokuz GIDU'va 32: 147-150 '65.

**Significance of segmental broncho- and anglography in differential diagnosis of the basic groups of spherical formations in the lungs.** M.G. Vinet, Khirurgia 12 no 11: 84-89 N '66.

**BRONZE AGE** see subdivision under Caucasus; Tava A.S.S.R.

**BRONZE FOUNDRY**

**Changes in the mechanical properties of bronze depending on the method of casting.** L.R. Bontvayn, Lit. proizv. no 12: 31 D '66.

**BROWNIAN MOVEMENTS**

**Brownian movement in critical point of two phase liquid-liquid equilibrium.** I.A. Bal'sevich, V.G. Martynets, E.V. Matzen, Zhur. eksp. i teor. fiz. 51 no 4: 983-988 O '66.

**BRUCELLA**

**Disinfecting raw intestines infected with the pathogens of brucellosis.** K.F. Lukina, Veterinarlia 13 no 12: 88-91 D '66.

**Resistance of Brucella strain No. 19 to environmental conditions.** A.V. Selivanov, Shor. nauch. rab. SIBNVI no 11: 67-69 '62.

**Studying some properties of the bacterial aerosol from strain No. 19 (Brucella abortus).** A.V. Selivanov, Shor. nauch. rab. SIBNVI no 11: 71-73 '62.

**Type specificity of brucellar phages.** M.S. Doshkevina, Trudy Gos. nauch.-issl. protivochum. inst. 16: 109-116 '59.

**Urease activity of Brucella.** S.P. Merinov, Zhur. mikrobiol. i epid. i immun. 43 no 11: 81-84 N '63.

**Use of monoclonal sera in the indirect fluorescent antibody method for the differentiation of Brucella species.** M.A. Chernyashova and others, Veterinarlia 43 no 11: 18-19 N '66.

## BRUCELLA—CULTURES AND CULTURE MEDIA

Isolation of Brucella cultures while "Lutichung" the pathological material by treating it with antibiotics. V. V. Vedomir, Veterinariia 13 no 11 106-110 '66.

## BRUCELLOSIS

(see also subdivision under Krasnodar Territory; Omsk Province, Rostov Province; Volgograd Province; Voronezh Province)

Clinical and epidemiological characteristics of brucellosis caused by Br. abortus. Report No. 3. Some clinical characteristics of brucellosis caused by Br. abortus. S. P. Sazykin. Trudy Gos nauch.-issl. protivochem. inst. 16:117-123 '59.

Distribution of brucella bacteriophages in the organism of a guinea pig. N. P. Proskotov. Trudy Gos nauch.-issl. protivochem. inst. 16:117-123 '59.

Effect of trace elements on the course of brucellosis. K. V. Shumilov. Veterinariia 13 no 131-36 Ja '67.

Pathomorphology of the central nervous system in experimental brucellosis of guinea pigs immunized with a specific vaccine. Report No. 1. V. V. Veselova. Sbor. nauch. rab. SibNIV no 11 101-105 '62.

Ring serum test in the diagnosis of brucellosis. S. I. Murotov. Veterinariia 13 no 12 11-16 D '66.

Serum problems of the diagnosis of brucellosis. M. M. Ivanov, E. A. Bogdanova. Veterinariia 13 no 132-33 Ja '67.

Tissue therapy in experimental brucellosis. Report No. 2. M. N. Mishchenko, A. M. Kholodova, O. N. Trubchaninova. Trudy Gos nauch.-issl. protivochem. inst. 16:223-228 '59.

BRUCELLOSIS—ECONOMIC ASPECTS see subdivision under Kazakhstan

## BRUCELLOSIS—PREVENTIVE VACCINATION

Clinical and epidemiological characteristics of brucellosis caused by Br. abortus. Report No. 4. Deshability of vaccinating people against brucellosis in focus of Br. abortus infection. S. P. Sazykin. Trudy Gos nauch.-issl. protivochem. inst. 16:167-174 '59.

Comparative immunomorphological data on experimental subcutaneous and intracutaneous vaccination against brucellosis. Z. D. Khakhina. Trudy Gos nauch.-issl. protivochem. inst. 16:207-213 '59.

Effect of multiple vaccinations against brucellosis under experimental conditions on the nature of response reaction of the body. M. F. Shumilov and others. Zh. mikrobiol., epid. i immun. 33 no 6:82-86 Je '62.

Effectiveness of immunization depending on different ways of introducing live brucellosis vaccine. A. E. Khayev. Zh. mikrobiol., epid. i immun. 43 no 11:31-37 N '66.

Enteral immunization in brucellosis. I. I. Poljakov. Trudy Gos nauch.-issl. protivochem. inst. 16:191-205 '59.

Epidemiological effectiveness of the vaccination of farm animals against brucellosis. Report No. 5. Z. A. Norkina. Sbor. nauch. rab. SibNIV no 11 35-44 '62.

Immunological reactivity and epidemiological effectiveness of intracutaneous vaccination against brucellosis depending on the method used. I. I. Poljakov and others. Trudy Gos nauch.-issl. protivochem. inst. 16:178-182 '59.

Immunological reactivity and epidemiological effectiveness of intracutaneous vaccination against brucellosis. G. A. Balandin and others. Trudy Gos nauch.-issl. protivochem. inst. 16:175-178 '59.

Plasmacytic and serologic reaction in the lymphatic nodes to subcutaneous administration of brucellosis vaccine. V. S. Stepin. Veterinariia 44 no 12:12-11 D '66.

Prospects for improving a therapeutic brucellosis vaccine. Report No. 2. Brucellosis VI-vaccine. M. S. Dzhoev, V. A. P. Proskotova, T. I. Khaitonova. Trudy Gos nauch.-issl. protivochem. inst. 16:215-221 '59.

Reactivity of persons with brucella infection to intracutaneous vaccination with live Brucella of the vaccine strain 19-V4. I. I. Poljakov and others. Trudy Gos nauch.-issl. protivochem. inst. 16:183-189 '59.

## BRUCELLOSIS IN CATTLE

(see also subdivision under Belyov District; Chuguev District)

Comparative study of the vaccination reaction and immunity induced by the vaccination of cattle with vaccine strain No 19 developed at the Koshchensky Biological Laboratory and the American vaccine strain. A. V. Solovyanov and others. Sbor. nauch. rab. SibNIV no 11 5-14 '62.

Complement fixation reaction with milk for the detection of brucellosis in vaccinated animals. A. I. Gromyko. Veterinariia 43 no 11:26-29 N '66.

Duration of reactivity in cattle vaccinated with strain 19. S. I. Murotov. Veterinariia 43 no 133-34 Ja '67.

## BRUCELLOSIS IN SHEEP

Effect of a concentration of aerosols of vaccine strain No. 19 on the development in sheep of unsusceptibility to brucellosis. A. V. Solovyanov, Sbor. nauch. rab. SibNIV no 11 15-19 '62.

Large-scale abortions in pregnant sheep after their vaccination with strain No 19. I. A. Koslov, Sbor. nauch. rab. SibNIV no 11 75-81 '62.

Pathomorphology of the nervous system in sheep during the acute period of experimental brucellosis. K. P. Gusakov. Sbor. nauch. rab. SibNIV no 11 107-115 '62.

Structural changes in the organs of sheep with brucellosis after a subcutaneous and conjunctival injection of a live vaccine from strain No 19 and its effectiveness. S. D. Koshnikov. Sbor. nauch. rab. SibNIV no 11 89-96 '62.

Studying the immunological reactions in sheep after inoculation with strain No 19. I. A. Koslov. Sbor. nauch. rab. SibNIV no 11 13-23 '62.

Studying the morphological changes in sheep during their aerosol immunization against brucellosis. A. V. Solovyanov. Sbor. nauch. rab. SibNIV no 11 21-27 '62.

Testing the aerosol method of vaccinating sheep against brucellosis under field conditions. Report No. 1. A. V. Solovyanov. Sbor. nauch. rab. SibNIV no 11 29-31 '62.

## BRUNN see Brno

Effect of oil vapors on brush wear. P. S. Lavshin, IU. S. Kiylov. Elektrotehnika 37 no 12:53-51 D '66.

## BRYANSK—RAILROADS—RAILS—MAINTENANCE AND REPAIR

Three Bryansk kilometers. V. A. Ishechkin, Puti put. 102, 10 no 8:11-14 '66.

## BRYANSK—ROAD MACHINERY INDUSTRY

Technical conference on the quality of road machinery manufactured at the Bryansk "Dor mashina" Plant. B. V. Shelubskii. Stroitel. mash. 8 no 8:35-36 Ag '63.

## BRYANSK—WAGES—WOOL INDUSTRY

Awarding bonuses to workers for the improvement of the quality of products at the Bryansk Worsted Combine. S. P. Vasin. Tekst. prom. 26 no 12:5-8 D '66.

## BRYANSK PROVINCE—ROAD CONSTRUCTION

Roads in Bryansk Province in the new five-year plan. P. Ryshch. Avt. dor. 29 no 11:7 of cover N '66.

## BRYANSK REGION—PEASANTRY

Fishman, I. L. and V. A. Arkhipov. [Abolition of serfdom in the Bryansk region, a historical sketch] Omena krestnogo prava na Brianshchine; Istoricheski ocherk. [Briansk] Brianskii raichii, 1961, 59 p. (MII)

## BRYNZENY REGION (MOLDAVIA)—BIRDS, FOSSIL

Fossil on the fauna from paleolithic settlement Bryzneny. I. I. M. Gaidar, N. A. Ketsau. Izv. AN Mold. SSR no 5:10-105 '65.

## BUBOK, KONSTANTIN GRIGOR'EVICH, 1904-1966

Konstantin Grigor'evich Bubok; obituary. Gos. zh. 11 no 12:71 D '66.

## BUCKWHEAT see subdivision under Chu Valley

## BUCKWHEAT—FERTILIZERS AND MANURES

Role of basic nutrients in the formation and quality of buckwheat seeds. A. I. Solovyanenko. Pochv. ust. i efek. udob. no 1:229-236 '63.

## BUCKWHEAT—VARIETIES

Phases of organogenesis in diploid and tetraploid varieties of buckwheat. I. A. Martakhina. Trudy inst. gen. no 26:31-39 '62.

## BUDAPEST—THEATERS—DESIGN AND CONSTRUCTION

Competitive designs for a theater in Budapest. Arkh. 1, USSR no 12:28-10 '66.

## BUDGING

Studying the degeneration phenomenon in the tangerine citrus shrub during vegetative propagation. V. A. Glazyrin. Sbor. nauch. rab. SibNIV no 11 230-247 '61.

## BUDGET

(see also subdivision under Moldova; Tuva A.S.S.R.; United States)

Stage budget of the U.S.S.R. in the conditions of carrying out the economic reform. G. Dundukov, N. Kismov. Fin. SSR 40 no 11:40-49 N '66.

## BUDS

Dynamics of fruit bud formation in the grapevine under conditions prevailing in Volgograd Province. M. N. Asoskova. Ucheb. zap. Volg. gos. ped. inst. no 18:3-10 '64.

## BUG VALLEY—ANORTHOSTE

"Tomsonite" from the anorthostes of Zaval'ye in the middle Bug Valley. I. B. Sheherbakov. Dop. AN URSS no 11:1498-1501 '62.

## BUG VALLEY—MINERALS

"Tomsonite" from the anorthostes of Zaval'ye in the middle Bug Valley. I. B. Sheherbakov. Dop. AN URSS no 11:1498-1501 '62.

## BUILDING

Build well and maintain buildings correctly. B. Kovalev. Stroitel. arkhit. 11 no 8:27-28 Ag '63.

Dolgoplov, N. N. [Modern physics is for bulldozers] Sovremennaya fizika - strobolom. Moskva, Stroitel. 1966, 217 p. (Nauchno-popul'naya seriya)

Establish proper conditions for high-speed production lines. P. S. Balus. Stroitel. mash. 8 no 9:29-30 M '61.

Let us strive every day to lower the cost of construction. S. I. Giletskii. Transp. stroit. 11 no 12:5-6 D '61. New developments in construction techniques. Inform. bul. VNIIM no 8:25-26 Ag '62.

## BUILDING—CATALOGS

Building catalog. G. Klucharsky. Arkh. 1, USSR no 11:61-62 '66.

## BUILDING—COLD WEATHER CONDITIONS

Preparation for construction in winter. A. I. Kengol. Sel. stroit. 16 no 11:27 N '61.

## BUILDING—CONTRACTS AND SPECIFICATIONS

(see also subdivision under Moscow)

Practical contractual agreement is a guarantee of success. (Kont. stroit. 8 no 12:1-1 D '66).

## BUILDING—DETAILS see subdivision under Moscow

## BUILDING—SAFETY MEASURES

Safety measures in the assembly of the framework of single-story industrial plants. S. S. Nizhnik. Mont. i op. 1, v. stroit. 25 no 10:22-25 O '63.

## BUILDING—TECHNOLOGICAL INNOVATIONS

Council of young specialists at the construction project. V. I. Iushchik. Transp. stroit. 11 no 12:7 D '61.

## BUILDING, IRON AND STEEL

Measures for guaranteeing stability of trusses. G. A. Zykov. Mont. i op. 1, v. stroit. 28 no 12:15 D '66.

## BUILDING AND LOAN ASSOCIATIONS

We should amend the laws which regulate the activities of cooperative residential building associations. T. M. I. Iushchik. Promyshlenn. no 1:61-69 '65.

## BUILDING INSPECTION see subdivision under France

## BUILDING LAWS

We should amend the laws which regulate the activities of cooperative residential building associations. T. M. I. Iushchik. Promyshlenn. no 1:61-69 '65.

## BUILDING MACHINERY see Construction equipment

## BUILDING MATERIALS

(see also subdivision under Chuvashia; Turkmenistan)

Building materials made of glass-silicates. Zh. Aesthet. i Prom. Arkh. 9 no 10:17-18 '66.

Establishing norms and control over the expenditure of materials. M. Cherny. Stroitel. mash. 8 no 12:41-52 D '66.

Introduction of new materials in rural construction. I. Iushchik. Stroitel. arkhit. 11 no 11:15-16 N '66.

New carbonaceous materials for high temperature techniques. D. M. Kolodko, V. I. Iushchik. Khim. prom. Arkh. 11 no 5:61-61 N-D '66.

## BUILDING MATERIALS—TESTING see subdivision under Leningrad

## BUILDING MATERIALS INDUSTRY

Gubsk, A. I. [Bringing the building materials industry up to the level of tasks set for the new five-year plan] Promyshlennost' stroitel'nykh materialov - na uroven' zadach novoi plattelki. Kishinev, Partizne izd-vo TeK KP Moldavi, 1966, 72 p.

## BUILDING MATERIALS INDUSTRY—EQUIPMENT AND SUPPLIES

Experimental device for production of sheet glass plastics by continuous method. A. I. Volk, I. P. Popov, N. A. Timofeev. Sbor. nauch. rab. SibNIV no 7:84-88 '66.

## BUILDING MATERIALS INDUSTRY—FINANCE see subdivision under Kazakhstan

## BUILDING MATERIALS INDUSTRY—MANAGEMENT

Most important reserve for increasing output of cement. Tsement 39 no 6:21 N-D '66.

Technical demands in production of translucent polyester glass plastic. N. M. Anan'ina, M. N. Vopriskala, N. A. Timofeev. Sbor. nauch. rab. SibNIV no 7:85-91 '66.

## BUILDING SITES—LIGHTING

Traveling searchlight unit for lighting building sites. M. P. Pribyl'skii. Stroitel. mash. 8 no 8:21-22 Ag '63.

## BUILDINGS—MAINTENANCE AND REPAIR

(see also subdivision under Uzbekistan)

Build well and maintain buildings correctly. B. Kovalev. Stroitel. arkhit. 11 no 8:27-28 Ag '63.

## BUILDINGS, PREFABRICATED

Liberman, L. [Building is constructed from the floor up] Come top uz gridas. Riga, Liesma, 1966, 24 p. dings. insert (Zini un profil) [In Latvian]

- BUKHARA—COMMUNIST YOUTH LEAGUE**  
Organization of the Communist Youth League in Bukhara.  
101 G. G. S. S. R. Tashkent, no. 281, 91-96 '66.
- BUKOVINA—GRASSES**  
Cultivation practices for grasses in crop rotation.  
Trudy Zemledel'ch. 28 no. 12 20-21 D '66.
- BUKOVINA—HISTORY**  
Novoselskiy, I. M. [The Ukrainian government in Bukovina in 1918]. Ukrain'ska derzhavna vlada na Bykovyni v 1918 r. Vypisane vyd. New York, Kushom Ukrain'skiy Bukovynskiy hromady, 1964. 56 p.  
(in U)
- BUKOVINA—TOXOPLASMOSES**  
Clinical aspects of congenital toxoplasmosis in the children of Bukovina. A. D. Kleit. Med. paraz. i paraz. bol. 31 no. 5 572-573 S-O '62.
- BULGAKOV, MIKHAIL AFANAS'EVICH, 1891-1940**  
The first children's commune. M. Bulgakov. Sem'la i shkola 21 no. 11-18-30 N '66.
- BULGARIA—BIBLIOGRAPHY**  
[New literature on Bulgaria.] Nov. lit. po Bolg. no. 11 '66.
- BULGARIA—CITIES AND TOWNS—CIVIC IMPROVEMENT**  
Elements of civic improvement in the cities of Bulgaria.  
10 Khromov. Arkhiv SSSR no. 8-61-63 '66.
- BULGARIA—COMMUNIST PARTY**  
Under the banner of unity and international solidarity.  
Z. Kruglova. Part. zhizn' no. 1-6-67 Ja '67.
- BULGARIA—ECONOMIC CONDITIONS**  
Hanevsky, I. I., and M. T. Chyzheva-Lyi. [Struggle of the Bulgarian people for the completion of the building of socialism]. Boi za bolsh. 'okonomich. i zavershenia buldystvaya gos. izdaniye. [Kyiv] Vyd-vo Kyiv'skoho univ., 1964. 110 p.  
(C. O. F. U.)  
Forward new achievements. I. Komarov. Agitator no. 10-30-12 '67 '66.
- BULGARIA—ECONOMIC POLICY**  
Improved administration of Bulgarian industry after the Eighth Congress of the Bulgarian Communist Party.  
V. D. Morozov. Uch. zap. Mord. gos. un. no. 51-51-76 pt. 1 '65.
- BULGARIA—EXCAVATIONS (ARCHAEOLOGY)**  
Polish archaeological studies in Nova (Bulgaria) in 1965.  
3. M. Kostin. Sov. Arkheol. 10 no. 4 191-191 '66.
- BULGARIA—GEOLOGY, STRUCTURAL**  
Structure of Mysian Platform in Bulgaria. I. B. Dobrev. Sov. geol. 9 no. 11-51 N '66.
- BULGARIA—INDUSTRIAL MANAGEMENT**  
Improved administration of Bulgarian industry after the Eighth Congress of the Bulgarian Communist Party.  
V. D. Morozov. Uch. zap. Mord. gos. un. no. 51-51-76 pt. 1 '65.
- BULGARIA—INDUSTRIES**  
Historical significance of the plenary session of the Central Committee of the Bulgarian Communist Party in April 1956 for the development of Bulgarian industry.  
V. D. Morozov. Uch. zap. Mord. gos. un. no. 51-51-76 pt. 1 '65.
- BULGARIA—RAILROADS**  
A century of Bulgarian rail transportation. Nikola Kodakov. Zhel. dor. transp. 1 no. 11 83-86 N '66.
- BULGARIA—RELATIONS (GENERAL) WITH RUSSIA**  
How Bulgarian workers studied the progressive experience of the Soviet laboring classes, 1919-1957. A. I. Doronchukov. Vop. ist. slav. no. 2 221-229 '66.
- BULGARIA—ROCKS—TESTING**  
Studying longitudinal wave velocities and compressive strength of rock specimens of Bulgaria, under hydrostatic pressures of up to 9,000 kg-wt per cm<sup>2</sup>. M. P. Volarovich, I. S. Ponomarevskaya, I. G. Bruchev. Trudy Inst. fiz. Zem. no. 37 116-129 '66.
- BULGARIA—RURAL PLANNING**  
From experience in planning and building rural settlements in Bulgaria. V. Sokolovskii. Arkhiv. SSSR no. 7: 58-60 '66.
- BULGARIA—THERAPEUTICS**  
Bulgarian antiparkinsonism preparations with a new mechanism of effect. G. Ganev, I. Karamalakov, M. Tsekeva. Zhur. nev. i psikh. 66 no. 12 1864-1869 '66.
- BULGARIA—WHEAT—VARIETIES**  
Winter wheats of Bulgaria. K. A. Kobylanskaya, Sbor. trudi, asp. i mol. nauch. sotv. VIR no. 2 15-18 '61.
- BULKHEADS (NAVAL ARCHITECTURE)**  
Effect of technological factors on the soundproofing capacity of bulkheads. G. D. Izak. Trudy LITV no. 82 127-130 '65.
- BULLDOZERS—HYDRAULIC DRIVING**  
D-521 bulldozer with hydraulic drive. G. I. Lavin. Stroitel'stvo ma. 3 no. 6 12-13 Ja '67.
- BULLS**  
Free amino acids and the quality of the sperm of herd bulls. A. P. Kurovov. Trudy Un. d. i. n. i. 11 Ser. khov. nauk no. 12 16-25 '66.  
Functional activity of the thyroid gland in breeding bulls of various breeds. F. F. Klement, L. P. Ruznichenko, V. P. Pliginskii. Sel'khoz. biol. 1 no. 5 504-510 '66.  
Isolation of asexual viruses from the sex organs of herd bulls. A. V. Golikov, N. V. Batina. Veterinaria 13 no. 1 98-99 Ja '67.  
Physiology of sterility in herd bulls. A. M. Kuznetsov. Veterinaria 13 no. 1 83-84 Ja '67.
- BULLS—DISEASES AND PESTS**  
Bacteriological diagnosis of vibriosis. A. P. Dzevenko. Veterinaria 13 no. 1 99 Ja '67.
- BULLS—FEEDING AND FEEDS**  
Change in the state of carbohydrate and fat metabolism and the indices of sperm production in breeding bulls under the effect of various ratios of nutrients in feed rations. E. P. Vashchukin. Trudy Un. d. i. n. i. 11 Ser. khov. nauk no. 1 229-245 '66.
- BUNN, IVAN ALEKSEEVICH, 1870-1953**  
A book on Bunn. I. Postupalskii. Vmeste knig 6 no. 11: 32-33 N '66.
- BUPRESTIDAE** see subdivision under Rostov Province
- BURGUNDY—LAND TENURE**  
Various forms of the property rights of Burgundian feudal landowners in the 10th-12th centuries. I. A. D. Serovskii. Stud. veka no. 29 18-27 '66.
- BURMA—HISTORY**  
Moryelko, I. V. Aun San, Moskva, Melodata gvardia, 1965. 237 p. (Zhizn' zamechatel'nykh ludei. Seriya biografiy, no. 6)  
(C. A. C. U.)
- BURNS AND SCALDS**  
Candidiasis in burn disease. B. N. Katushenko. Sov. med. 26 no. 3-81-85 Mr '63.  
Changes in the free amino acid content of the blood serum in burn disease. T. D. Galkamov. Eksp. khim. i med. 11 no. 6 44-47 N-D '61.  
Dynamics of sensitivity in burn disease. K. D. Shafan-shan. Vop. psikh. 12 no. 6 105-102 N-D '66.  
Dynamics of vascular permeability following combined whole-body gamma irradiation and burns. L. P. Stepanov. Radiobiologia 6 no. 5 756-758 '66.  
Effect of burn trauma on the regeneration of bone tissue. B. I. Mavroev. Pat. fiziol. i eksp. terap. no. 3 57-60 '61.  
Electron microscopic study of the liver in experimental burns. V. B. Vityaev. Eksp. i khim. i med. 8 no. 6 39-43 N-D '63.  
Experimental treatment of scalped wounds and skin burns with collagen films. A. V. Khil'kin and others. Trudy i go. VNI 4 318-323 '66.  
Functional state of the kidneys during treatment of burn disease. V. A. Orlik. Sov. med. 29 no. 12 57-61 D '66.  
Serological activity in thermal burns. P. N. Koslovskiy, V. N. Kazanova, L. N. Pushkina. Probl. gemat. i perel. krov. 8 no. 2 37-41 F '63.  
State of hyaluronidase-hyaluronic acid system in burn sickness. D. I. Khomun, I. U. Zi, Panova. Pat. fiziol. i eksp. terap. no. 3 51-56 '64.  
Status of some immunobiological properties of the blood in patients with burn disease following transfusion of protein hydrolysates. M. M. Petrov. Probl. gemat. i perel. krov. 8 no. 2 41-44 F '63.  
Use of skin film with phytoncides in burns. V. M. Kozlov. Travmatologia no. 1 153-157 '65.  
Ways of reducing the duration of work disability in patients with burns. S. A. Polshchuk. Travmatologia no. 1 81-89 '65.
- BURSA FABRICII**  
Significance of the bursa Fabricii in the induction of tumors in chicks by means of Raus' sarcoma viruses. R. M. Radzikhovskaya. Vop. onk. 12 no. 11-48-50 '66.
- BURUNDI—DESCRIPTION AND TRAVEL**  
Fall of a monarchy. V. Iordanskii. Nov. vrem. 25 no. 3 16-18 Ja '67.
- BURUNDI—POLITICS AND GOVERNMENT**  
Fall of a monarchy. V. Iordanskii. Nov. vrem. 25 no. 3 16-18 Ja '67.
- BURYAT A. S. S. R.—RESEARCH**  
Trends in the research of the Buryat Section of the Siberian Branch. Vest. AN SSSR 36 no. 12 105-108 D '66.
- BURYAT A. S. S. R.—REVOLUTION, 1917-1921**  
Buriat A. S. S. R. Tsentral'nyi gosudarstvennyi arkhiv. [The guerrilla movement in Buryatia, collection of documents.] Patsizms'ye dvizheniye v Buriatii, sbornik dokumentov. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1965. 453 p.
- BURYAT A. S. S. R.—WAGES—COLLECTIVE FARMS**  
Practice in using monetary wages on the collective farms of the Buryat A. S. S. R. N. Prozorov. Trudy Inst. un. 10 3-18 '65.
- BUSINESS ENTERPRISES**  
(see also subdivision under Leningrad)  
On the legal status of trade organization. Sov. tovg. 10 no. 1 50-60 Ja '67.
- BUSINESS MATHEMATICS**  
Methods of performing arithmetic operations on calculators. I. A. Vokushin, M. G. Ruzhkovskii. Ikoni i matemat. 2 no. 6 100-111 N-D '66.
- BUSINESS NAMES**  
Firms and trademarks. G. Rubzhev. Sov. zakon. 13 no. 12 21-12 D '66.
- BUTADIENE**  
Alkalies and ammonium compounds. Part 42: Alkaline cleavage of 1,1-diquaternary ammonium salts with 2-butene. Common author. A. T. Babanov and others. Zhur. org. khim. 2 no. 11 1992-1991 N '66.
- BUTADIENE**  
Comparative evaluation of the compound treatment of chromitoid polythene with naphthalene and maleic in combination with butadiene. G. G. Akhadi. Azri. med. zhur. 40 no. 1 70-83 '63.
- BUTANE**  
Developing an aluminum-chlorine-potassium catalyst in the dehydrogenation of isopentane. O. D. Stenliger and others. Neftekhimiya 3 no. 5 612-649 S-O '63.  
Investigating the contact pyrolysis of butane in a reactor with the ascending flow of a powder heat carrier. V. S. Aliev, D. N. Tomenov. Neftekhimiya 3 no. 5 666-701 S-O '63.
- BUTASHEVICH-PETRASHOVSKII, MIKHAIL VASIL'EVICH, 1821-1896**  
Petrashevskii and his followers. V. Tsvetkovskaya. Nov. mir 30 no. 4 270-273 Mr '61.
- BUTENE**  
Alkalies and ammonium compounds. Part 11: Alkaline cleavage of 1,1-diquaternary ammonium salts containing 2-chloro-3-methyl-2-butanyl common group. G. B. Bagdasarian, M. G. Indzhikyan, A. T. Babanov. Zhur. org. khim. 2 no. 11 1987-1991 N '66.  
Liquid-phase oxidation of butene polymerization products from a butane-butene fraction. G. S. Shor, G. S. Gol'din, I. A. Cherkov. Neftekhimiya 3 no. 5 755-757 S-O '63.
- BUTENOL**  
Production of 1-anilino-3-buten-2-ol from aniline and diethyl oxide. S. R. Tsiliganov, K. D. Petrov. Plast. massa no. 9 50-51 '67.
- BUTYL PHOSPHATES**  
Use of tributyl phosphates for extraction of microgram amounts of cadmium in the analysis of steels. I. U. G. Eremin, V. V. Raevskaya, P. N. Romanov, Zhur. anal. khim. 21 no. 11 1303-1306 '66.
- BUTYL SULFATES**  
Choice and preparation of raw materials for the production of butylsulfuric acid. D. V. Mushenko. Khim. i tekhn. topl. i masel 11 no. 12 21-24 D '66.
- BUTYRIC ACID**  
Gamma-aminobutyric acid systems in animal brain following overexposure. I. A. Sytnitskii, E. L. Avenitova. Khim. i tekhn. zhur. 38 no. 6 590-595 '66.  
Methodology of determining the content of gamma-aminobutyric acid in brain tissue. E. L. Avenitova and others. Vop. med. khim. 12 no. 6 633-636 N-D '66.
- BUTYRIC ACID—PHYSIOLOGICAL EFFECT**  
Differentiation of two effects of dicaine detected under conditions of its antagonism to atropine, hairbitates, and beta-phenyl-gamma-aminobutyric acid. A. A. Zykov. Trudy LPMI no. 32 42-45 '65.
- BUTYRONITRILE—SPECTRA**  
Radical pairs in photolytic decomposition of azobisisobutyronitrile studied by electron paramagnetic resonance method. I. A. Lebedev. Dokl. AN SSSR 171 no. 2 378-381 N '66.
- BYK RIVER—INFUSORIA**  
Ecology of aspropeltionid infusorians of Byk River. F. P. Chotik. Biol. res. vod. Mold. no. 4 26-36 '66.
- BYK RIVER—WATER—ANALYSIS**  
Effect of industrial wastes and sewage of Kishinev on hydrochemical regimen of Byk River. S. E. Byrgu, I. F. Kozhukhar', G. G. Gorbaten'kii. Biol. res. vod. Mold. no. 4 3-14 '66.



**CALVES—DISEASES AND PESTS** (Continued)  
Mechanism of the action of salt solutions in dyspepsia of calves. A. F. Koltyshev, A. N. Pirogov, E. A. Ostrovskaya. Veterinariia 13 no. 11:60-62 N '66

**Pathogenesis and prophylaxis of toxic dyspepsia in calves** N. F. Khusnutdinov, S. D. Vlasov. Veterinariia 13 no. 1:32-70 Ja '67

**Possibility of vibriotic infection of calves fed with milk.** V. F. Ivanov. Veterinariia 13 no. 12:23-24 D '66

**CALVES—FEEDING AND FEEDS** see subdivision under *Siberia*

**CAMBODIA—DANCING**  
Traditional ballet of Cambodia. Tenis 74 no. 7:154-155 Ji '63.

**CAMBODIA—TECHNICAL ASSISTANCE, RUSSIAN**  
The Institute of Higher Technical Education in Cambodia. I. N. Khadzheva. Vest. vys. shkoly 21 no. 12:76-78 D '66

**CAMBODIA—TECHNICAL EDUCATION**  
The Institute of Higher Technical Education in Cambodia. I. N. Khadzheva. Vest. vys. shkoly 21 no. 12:76-78 D '66.

**CAMELS—DISEASES AND PESTS** see subdivision under *Mongolia*

**CAMPHENE**  
Condensation of camphene with o-cresol in the presence of various catalysts. L. A. Khelifits, L. M. Shulov, T. I. Gavrilova. Trudy VNIISNDV no. 7:51-56 '65

Condensation products of camphene with 2,5-, 3-, and 3,5-vicinals. G. I. Moldovanskaya, L. A. Khelifits, G. P. Il'ina. Trudy VNIISNDV no. 7:46-51 '65.

Study of terpene phenols. Part 26: Condensation products of camphene with guaiacol and their hydrogenation. L. A. Khelifits, I. S. Aul'chenko, G. M. Shchegoleva. Zhur. org. khim. 2 no. 11:2059-2064 N '66.

Synthesis of new odorous substances from condensation products of camphene with xylenols. G. I. Moldovanskaya, L. A. Khelifits, G. P. Il'ina. Trudy VNIISNDV no. 7:51-54 '65

**CAMPUS PLANNING**  
Architectural and planning structures of universities. R. L. Lashin'skaya. Arkh. SSSR no. 7:35-37 '66

School with open-air recreation facilities. I. K. Kalkis, S. Kligerman. Stroi i arkhit. 11 no. 8:12-14 Ag '63.

**CAMS**  
Improving the polydynamic method for designing cam gears. E. Z. Peisakh. Vest. mashinost. 16 no. 12:26-28 D '65.

**CANADA—EXHIBITIONS**  
Soviet institutions of higher education at the "EXPO-67." I. A. Gaidukovich, V. I. Fomashov. Vest. vys. shkoly 24 no. 12:47-49 D '66

**CANADA—LITERARY CALENDARS**  
Homini Ukrainy. Vydavnytstvo, Toronto. [Literary calendar of the "Homini Ukrainy" Publishing House for 1967, for the 50th anniversary of the Ukrainian national revolution and the centenary of Canada, 1867-1967] Al'manakh kalendar, ... na rik 1967, u 50-ilechchia Ukrainy i koi natsional'noi revoliutsii i 100-ilechchia Kanady, 1867-1967. Toronto, Nakladom Vyd-va "Homini Ukrainy [n.d.] 109 p.

**CANADA—MICROBIOLOGICAL RESEARCH**  
Microbiological institutions in Canada. E. N. Mishustin. Izv. AN SSSR Ser. biol. no. 3:460-460 My-Je '63.

**CANADA—RESEARCH**  
Research by Canadian scientists; based on the materials on a trip to Canada. A. G. Bulkovskii. Avtom. i telem. no. 11:182-183 '65.

**CANALS** see subdivision under *Kara Kum*; see also *Suez Canal*

**CANCER**  
(see also subdivision under *Ukraine*)  
Baltitskii, K. P., A. L. Voronova, and A. M. Karpukhina. [Medicinal plants in the treatment of malignant tumors] Lekarsvennye rasteniia v terapii zlokachestvennykh opukholei. Kiev, Zdorov'ia, 1966. 230 p. (DNLN)

Biology of the cancer cell; a survey of Cancer Research Congress. A. D. Timofeevskii. Vop. onk. 9 no. 3:3-8 '63.

Chaklin, A. V. [Geography of malignant tumors] Geografiia zlokachestvennykh opukholei. Moskva, Znaniie, 1966. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya Biologiya i meditsina, no. 24)

Chemotherapy of Brown-Pearce tumor by means of the perfusion method. V. S. Mosienko, V. M. Pivniuk. Vop. onk. 12 no. 12:88-89 '66.

Effect of enzymes on malignant tumors. I. I. Oleinik. Vop. onk. 12 no. 11:104-106 '66.

Effect of polyglucin on the morphological composition of the peripheral blood in patients with cancer of the stomach, large intestine and breast. I. L. Gol'dman, N. A. Measina, A. A. From. Vop. onk. 9 no. 3:89-74 '63.

Functional changes in the visual analysis of patients with cancer. Report No. 2. Sh. S. Altmanmanova. Azerb. med. zhur. 40 no. 3:12-18 Mi '63.

Medical expertise of the capacity for work in malignant neoplasms. I. V. Korolov. Klin. onk. no. 1:230-234 '65

Mirovitsky, S. R. [Selected chapters] Zbirnyk glavy. Pod red. K. S. Mirovitsky. [Leningrad] Meditsina, 1966. 389 p. (DNLN)

Pozdnukhov, L. G. [Sarcomas] Sarcomy. Alma-Ata, "Kazakhstan," 1966. 36 p. (DNLN)

Problem of serotonin and cancer. E. Ch. Pukhal'skaya. Vest. AN SSSR 15 no. 12:61-72 '60

Protein composition of the blood during the development of sarcoma M-1. L. N. Surodelkina. Vop. onk. 12 no. 11:25-126 '66

Use of radioactive colloid gold in pleurisy and nodules of tumorous origin. I. A. Chaplin. Med. rad. 7 no. 8:83-90 Ag '62

Use of radioactive colloid gold in treating oncological patients. T. P. Subbotina, V. I. Ivanitskaya. Med. rad. 7 no. 8:29-32 Ag '62.

Virology of tumors; a survey of data from the Eighth International Cancer Research Congress. I. S. Irlin. Vop. onk. 9 no. 3:1-12 '63.

**CANCER—CLASSIFICATION**  
Comparative evaluation of the International clinical (TNM) and Soviet clinical and morphological classification of breast cancer. S. I. Kholdin, L. E. Shepkot. Vop. onk. 12 no. 12:3-6 '66

**CANCER—CONGRESSES**  
Problems in organizing anticancer control and the regional characteristics of the spread of malignant tumors. A. V. Chaplin. Vest. AN SSSR 15 no. 12:78-82 '60

**CANCER—DIAGNOSIS**  
Cancer diagnosis; a survey of data from the Eighth International Cancer Research Congress. A. N. Novikov, S. I. A. Maimorshstein. Vop. onk. 9 no. 3:12-16 '63.

Diagnostic value of Block's reaction in malignant tumors. S. A. Gulleeva, M. D. Abdullayev. Azerb. med. zhur. no. 7:20-32 Ji '62

**CANCER—TRANSPLANTATION**  
Significance of the Bursa Fabricii in the induction of tumors in chicks by means of Rous' sarcoma virus. R. M. Radzikhovskaya. Vop. onk. 12 no. 11:48-50 '66

State of the hypophysis-thyroid gland system in rats in the process of inducing liver tumors by means of paraformaldehydeazobenzene. V. P. Grinchishin. Vop. onk. 12 no. 11:39-43 '66.

**CANCER CELLS**  
Characteristics of reproduction of individual tick-borne encephalitis viruses with various degrees of neuroinfectiousness in tumor cells in vitro and in vivo. G. I. Sergeeva, E. N. Levkovich. Vop. virus. 11 no. 5:530-535 S-O '66

Formation of hemagglutinins and infectious Sendai virus in cells of ascitic Ehrlich carcinoma. IU. A. Smirnov, A. G. Buhinskaya. Vop. virus. 11 no. 5:570-573 S-O '66

**CANCER RESEARCH**  
Antibiotic cizin and its mechanism of action on cancer cells. N. G. Kiliyeva, G. I. Roskin. Izv. AN SSSR Ser. biol. no. 3:366-369 My-Je '63.

Characteristics of cell line of Wilms' tumor in vitro. I. A. V. Dolynin, L. E. Obukhova, E. E. Mirzolan. Vop. onk. 12 no. 11:30-36 '66

Comparative study of the effect of different doses of growth promoting substances of petiole origin on the development of experimental tumors. S. A. Gulleeva. Azerb. med. zhur. 40 no. 4:15-28 'Ap '63

Cytological and histochemical study of human pigmentary tumors in tissue cultures. Report No. 1: Benign pigmentary neoplasms. N. M. Chistova. Vop. onk. 12 no. 11:22-29 '66.

Development of adenomas in organo cultures of embryonic lung tissue of mice. T. S. Kolesnichenko. Vop. onk. 12 no. 12:30-47 '66.

Effect of Thio-TEPA on the kinetics of the growth of Walker's carcinosarcoma-256. V. N. Erakhin and others. Vop. onk. 12 no. 11:58-61 '66.

The fight against cancer at its present stage. L. M. Shabad. Nov. vrem. 25 no. 3:19-21 Ja '67

Genetic mechanisms in malignant neoplasms and leukemias. N. N. Kolesova. Vop. onk. 12 no. 12:34-39 '66.

Malignant gynomas with epitheliomlike structures. V. G. Rukavishnikova. Vop. onk. 12 no. 11:14-21 '66.

Prolonged cultivation of sarcoma 180 (Crick) in chicken embryos. T. M. Maevskaya, T. V. Migulina. Vest. AN SSSR 15 no. 12:57-61 '60.

Some data on tumors in voles of the genus Lagurus. E. E. Pogoslants, G. M. Piatonova, N. I. Bolotina. Vop. onk. 12 no. 12:47-51 '66.

Strengthening the blastomogenic action of urethane by administering it to mice long after the effect of penetrating radiation. N. V. Kozlova. Vop. radiobiol. 4:332-336 '61.

Study of similarity and difference of specific antigens of human cancerous tumors. P. N. Koshkov and others. Vop. onk. 12 no. 11:3-7 '66

Study the tumorigenic action of radioisotopes. Vop. onk. 9 no. 3:32-39 '63

**CANCER RESEARCH—CONGRESSES**  
Eighth International Cancer Research Congress in Moscow. D. I. Guseinov. Azerb. med. zhur. 40 no. 2:89-95 I '63

**CANDIDA (FUNGUS)**  
Case of generalized candidomycosis. I. D. Eustykovskaya, N. I. Khomenko. Trudy No. onk. GIDUVA 32:132-133 '65

Comparative study of some physiological-biochemical characteristics of *Candida albicans* and species of the Saccharomycetaceae genus. V. I. Kudryatsev and others. Mikrobiologiya 31 no. 5:779-781 S-O '62

Polysaccharides in yeastlike organisms. N. P. Ilinov, G. A. Vokovskaya. Biokhimiia 28 no. 2:313-315 Yu -Ap '63

Stability of the adaptation of the *Candida tropicalis* strain 5115 (ES) to L-arabinose. IU. N. Khushevich. Mikrobiologiya 31 no. 2:211-219 Yu -Ap '62

**CANDIDIASIS**  
Candidiasis in human disease. R. N. Katushenko. Sov. med. 26 no. 3:81-85 Mi '63

**CANDIDAE—PARASITES** see *Parasites—Candidae*

**CANKER (PLANT DISEASE)**  
Effect of antibiotic substances on the tomato tumors caused by *Pseudomonas tumefaciens*. A. D. Koveshnikov. Mikrobiologiya 31 no. 5:827-831 S-O '62

**CANNED FISH** see *Fish, Canned*

**CANNING AND PRESERVING**  
Rozumov, A. A. [Home preservation of fruit and vegetables] Konservirovanie fruktoy i ovoshchei v domashnykh usloviyakh. Izd. 2, 1-apr. 1-dop. Tashkent, "Uzbekistan," 1966. 333 p.

**CANNING AND PRESERVING—HANDBOOKS, MANUALS, ETC.**  
Crimean Province. Oblastnoye upravlenie sel'skogo khoz. i m. [Handbook for the canning of fruit and vegetables at collective and state farm plants] Rukovodstvo po konservirovaniu plodov i ovoshchei dlia kollektivnykh i goskhoznykh konservnykh zavodov. Simferopol, "Krym," 1965. 397 p.

**CANNING INDUSTRY** see subdivision under *Azerbaijan*

**CANNING INDUSTRY—FINANCE** see subdivision under *Ukraine*

**CAPACITY AND DISABILITY**  
Establishing the legal incapacity of Soviet citizens according to recent legislative enactments. V. I. Prokopenko. Pravoizn. stvo no. 1:91-102 '65.

"Subjective rights" of Soviet citizens. M. V. Vilruk. Pravoizn. stvo no. 1:21-28 '65.

**CAPILLARIES**  
Ultrastructure of cerebral capillaries. N. N. Bogolepov. Zhur. nev. i psikh. 66 no. 12:1797-1802 '66

**CAPILLARITY**  
Ultraasonic capillary effect. E. G. Kanavalev, I. N. Gerasimovich. Dokl. AN BSSR 6 no. 8:492-493 Ag '62.

**CAPITAL**  
Economic functions of payment for capital assets. R. Rakitskii. Vop. ekon. no. 12:17-20 D '66.

Improving the use of capital assets in the most important condition for increasing the efficiency of production. A. Kolesov. Vop. ekon. no. 12:100-110 D '66.

**CAPITAL INVESTMENTS**  
(see also subdivision under *Moldavia*)  
Determining the most efficient way of investing capital. K. Ereemov. Ekon. sel'khoz. 43 no. 11:60-65 N '66.

Effectiveness of capital investments in petroleum production industry, as a topic for discussion. A. A. Cherkas. Azerb. med. zhur. 45 no. 0:45-46 S '66.

Method for determining the economic efficiency of capital investments in agriculture. SK. Khusakhtov. Trudy Ekon. fak. kii. gos. univ. no. 1:137-145 '64.

Methods for determining the economic efficiency of capital investments and new equipment. Shor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekhn. AN SSSR no. 2:144-159 '62.

On the problem of the efficiency of capital investments. G. I. Burshtein. Shor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekhn. AN SSSR no. 2:94-101 '62.

Our plans and tasks. T. S. Khachaturov. Shor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekhn. AN SSSR no. 2:3-10 '62.

Principles of the calculation of specific capital investments in industrial construction. G. I. Levin. Shor. nauch. inform. Nauch. sov. po eff. osn. fond. kap. vlozh. i nov. tekhn. AN SSSR no. 2:11-31 '62.



## CAPITAL INVESTMENTS (Continued)

- Some methodological problems in calculating the effect of development of capital investments on productivity. *Trudy IZM* 40:107-122 '63
- Standards for growth of time to reach capital investment payback period and its correlation with the time factor. G. I. Chernomirskiy. *Stroy i zhizn* 1963:10-12
- On the effect of the method of capital investment calculation. A. P. Kozlov. *Trudy IZM* 40:79-94 '63

## CAPITAL INVESTMENTS—RESEARCH

- Discussion of a country's leading conference on the plan for the study of the economic efficiency of capital investment in the equipment in 1962. *Stroy i zhizn* 1963:10-12
- Work of the central research institutes. *Stroy i zhizn* 1963:10-12
- Work of the Scientific Council on the Efficiency of Capital Investments in Fixed Assets and New Equipment in 1962. *Stroy i zhizn* 1963:10-12

## CAPITALISM

- Koltunov, V. M. [Development of the social character of the process of production during the period of the general crisis of capitalism, methodological textbook for students of the higher party schools]. *Razvitie obshchestvennogo kharaktera proizvodstva v proizvozhstva i period obshchego krizisa kapitalizma, uchebno-metodicheskoe posobie dlya slushatel'nykh VSPH. Gosizdat, Gor'kovskaya vysshaya partinaya shkola, 1965. 70 p. (CSU-11)*

## CARANE

- Carane. 2-p, 5-methylidene rearrangement in the reaction of 1,4-dithiomethane with silver acetate. Z. G. Isaeva, I. B. Nemirovskaya, B. V. Ibrayev. *Dokl. AN SSSR* 171 no 2 349-351 N '66

## CARBAMIC ACID

- New dihydrocarbamate fungicides for controlling the diseases of growing plants. N. M. Gulyashin and others. *Fiziol. i khim. zvezd* 4 no 12 17-21 D '66

## CARBAMOYL CHLORIDE

- Kinetics of thermal decomposition of carbamoyl chlorides. V. V. Petrunin, E. A. Stropkhuva. *Trudy MHI* 11 no 42 160-162 '63

## CARBIDES

- Preparation and study of some physical properties of solid solutions of HfC-MoC and TaC-MoC. O. I. Shulishova, I. A. Shcherbak. *Izv. AN SSSR, Neorg. mat.* 2 no 12:2145-2150 D '66
- Thermionic emission from hafnium and zirconium carbides. V. I. Gorlatov and others. *Izv. AN SSSR, Ser. fiz. i mat. nat.* 12 1942-1946 D '66

## CARBOHYDRATE METABOLISM

- Carbohydrate metabolism in the culture of avian embryonal kidney epithelium infected with the foot-and-mouth disease virus. V. G. Revenkov, D. A. TSvetkov, L. F. Gumeny. *Veterinarnia* 43 no 1 20-24 Ja '67
- Changes in phosphorus and carbohydrate metabolism of erythrocytes in healthy rabbits under the influence of cortisone. B. S. Berezovskii. *Probl. endok. i gorm.* 9 no 1 7-12 Ja '67
- Effect of sumazine on pigments and carbohydrate metabolism in plants. E. L. Filina, H. S. Ponomarev. *Ukr. bot. zhur.* 20 no. 1 52-55 '67
- Pathways of carbohydrate metabolism in *Actinomyces fraidiae* grown in media with starch and glucose. G. A. Penzikova, M. V. Levitov. *Biokhimiia* 31 no 6:1247-1252 N-D '66
- Study of the carbon metabolism of *Pseudomonas fluorescens* and *Pseudomonas denitrificans*. E. L. Koroleva, G. A. Sapozhnikova. *Mikrobiologiya* 31 no 2:221-226 N-D '66

## CARBOHYDRATES

- Colorimetric method of determining reducing carbohydrates. V. G. Reutskii, L. P. Smoljak. *Dokl. AN SSSR* 10 no. 12:391-393 D '66

## CARBOHYDRATES—BIBLIOGRAPHY see Bibliography—Carbohydrates

## CARBOHYDRAZIDE

- Quantitative determination of carbonyl azide and its derivatives by potentiometric titration with sodium nitrite. A. P. Grekov, D. K. Aronov. *Zhur. anal. khim.* 21 no. 10 1276-1277 '66

## CARBON

- Fibrous carbon. V. I. Nikolaev, V. I. Kashtochkin. *Trudy IGI* 18:135-148 '62
- Kinetics of reduction of calcium tungstate and molybdate and their isomorphous mixture by carbon. A. N. Zelikman, L. V. Beliaevskaya, V. M. Bobylev. *Izv. AN SSSR, Neorg. mat.* 2 no 12 2204-2212 D '66

- Organic carbon in the ore deposits of the South Ukrainian manganese basin. E. I. Shulakov. *Dokl. AN URSR* no 7 933-936 '63
- Process of internal reaction and the relative kinetic properties of carbon. M. I. Rogatkin. *Trudy IGI* 18:54-63 '62
- Role of solid carbon in process of chlorination of oxides. L. V. Zverev, Z. S. Barabukova. *Mosk. zh. fiz. khim.* 36:13-22 '66
- Study of topochemical exchange reaction between elementary carbon and its oxides by means of a radioisotope of C<sup>14</sup>. I. G. Petrenko. *Trudy IGI* 18:1-12 '62

## CARBON DIOXIDE

- Desorption of CO<sub>2</sub> from sodium bicarbonate solutions. I. S. Lukinchenko, I. N. Shcheglov. *Trudy MHI* 11 no 41 197-201 '63
- Determining the heat and carbon dioxide released by apples during cooling and storage. I. G. Abramovskii. *khim. tekhn.* 39 no 3 39-40 N-D '62
- Free oxygen and carbon dioxide in the outer spheres of the earth. V. I. Vulfson. *Izv. vuzov khim. i geol.* 1:1-2, 6 no 6:3-9 Je '63
- Oversaturation of beer with carbon dioxide. A. L. Astanov. *Spir. prom.* 20 no. 5 8-9 '62
- Ways of formation of carbon dioxide in oxidation of methane and methyl ester. N. I. Miskovskii, V. A. Lishtinskii, R. V. Erofeev. *Dokl. AN SSSR* 10 no. 10 752-754 O '66

## CARBON DIOXIDE—PHYSIOLOGICAL EFFECT

- Changes in the stereotypy of respiratory conditioned response and respiratory reactions to the action of CO<sub>2</sub> following the administration of aminofluorine. B. N. Kanov, E. I. Semelko. *Zhur. vys. nerv. deiat.* 13 no 4: 680-685 N-D '63

## CARBON IN THE BODY

- Carbon metabolism by the purple sulfur bacterium *Chromatium vibrioforme*. L. K. Gantkhal, Chudina, V. I. Mikrobiologiya 31 no. 5 769-773 S-O '62

## CARBON ISOTOPES

- Radiographic study of topochemical interaction between carbon oxides and coal. I. G. Petrenko. *Trudy IGI* 18:13-20 '62
- Studies on the products of assimilation of carbon C<sup>14</sup> by *Rhodospirillum rubrum* and other bacteria. N. G. Domrakov, A. K. Romanova, Z. A. Terent'eva. *Mikrobiologiya* 31 no 2:103-108 N-D '62
- Study of the mechanism of immunity in fish with the help of C<sup>14</sup>. G. D. Goncharov, V. I. Romanenko, V. R. Mikhlin. *Dokl. AN SSSR* 171 no 5 1237-1240 D '66
- Study of topochemical exchange reaction between elementary carbon and its oxides by means of a radioisotope of C<sup>14</sup>. I. G. Petrenko. *Trudy IGI* 18:3-12 '62
- Synthesis of DL-asparagine suitable for the production of N<sup>15</sup> and C<sup>14</sup>-labeled asparagine. M. I. Leinman, S. R. Mardashev. *Biokhimiia* 27 no. 5:904-906 S-O '62

## CARBON MONOXIDE—PHYSIOLOGICAL EFFECT

- Some functional changes of glutamic acid in rat brain tissue following histamine of its function in a consequence of carbon monoxide intoxication. L. I. Mishchenko, S. R. Frenkel. *Ukr. biokhimiia zhur.* 30 no 6 565-568 '66

## CARBON-NICKEL ALLOYS see Nickel-carbon alloys

## CARBON OXIDES

- Radiographic study of topochemical interaction between carbon oxides and coal. I. G. Petrenko. *Trudy IGI* 18:13-20 '62
- Study of topochemical exchange reaction between elementary carbon and its oxides by means of a radioisotope of C<sup>14</sup>. I. G. Petrenko. *Trudy IGI* 18:3-12 '62

## CARBON TETRACHLORIDE

- Study of the reaction of aldehydes in carbon tetrachloride solution based on their infrared spectra. V. N. Ushakov, V. D. Golitsyn, B. V. Tionov. *Zhur. fiz. khim.* 40 no. 11:2865-2867 N '66

## CARBONATITES

- Abyssal facies of carbonatites. M. K. Silichev. *Geol. rud. mestorozh.* 8 no. 6:102-106 N-D '66

## CARBONIC ACID

- Characteristics of polycarbonates obtained with the method of isomerization. I. P. Losev, O. V. Smirnova, E. V. Smurova. *Plast. massy* no 9 10-13 '62
- Make complete use of carbonic acid. S. P. Ostrikh. *Masl. i zhir. prom.* 20 no. 6:38 Je '62

## CARBONIC ANHYDRASE

- Influence of carbonic anhydrase inhibitors on the effect of different myorelaxants. A. I. Podlesnaya. *Trudy LPMI* no 32, 120-125 '65

## CARBONYL COMPOUNDS

- Calculations based on the MO LCAO method and acidity of ketone and enol forms of various  $\beta$ -dicarbonyl compounds. E. I. A. Gren, G. I. A. Vaug. *Zhur. org. khim.* 2 no. 11:1805-1811 N '66

## Conference on the chemistry of carbonyl compounds

- A. A. Zhur. *VKHO* 11 no 6, 609-701 '66
- Identification of oxo compounds. Report No. 5. V. Kore, R. P. Ivanova. *Trudy VNISNDV* no. 2 116-140 '66
- Seminar methods for determination of esters and carbonyl compounds. P. N. Novikova, I. V. Pavlova. *Trudy VNISNDV* no 7 142-144 '66

## CARBONYLS

- Carbonyl compounds of hafnium. I. I. Cherniakov, Z. M. Novotchenko. *Zhur. org. khim.* 11 no 11:2401-2404 N '66

## CARBORANES

- Kinetics of migration copolymerization of propylene oxide with isobutylene thiol at 100°C. B. A. Akhmedov and others. *Plast. massy* no 1 27-31 '66

## CARBORUNDUM—ELECTRIC PROPERTIES

- Effect of temperature on the impact ionization factor of carborundum. N. L. Ivanovskii, I. P. Haleshova, N. S. Lazhikina. *Radiotekhnika i elektronika* 11 no 12:2421-2423 D '66

## CARBOXYPEPTIDASES

- Ability of carboxypeptidase A to catalyze reactions of oxygen isotope exchange and transpeptidation. I. M. Glushchikov, N. I. Mal'nev, V. N. Orlovskii. *Biokhimiia* 31 no 6 1074-1078 N-D '66

## CARBURETIONS

- Problem of designing carbon fibers. I. A. Mikhlin. *Trakt i tekhn. zhur.* no 1 7-8 D '66

## CARCINOGENESIS

- Artificial induction of virus antigens of the transmissible type having chemical carcinogenic action. V. P. Gromov, A. I. Liozner, G. I. A. Svet-Moldavskii. *Vop. onk.* 12 no 11:1-15 '66
- Histochemical study of changes in oxidation-reduction enzymes in the process of viral carcinogenesis. N. I. Hoshkin, E. A. Smirnova, I. I. Likhina. *Vop. virus* 11 no 6:711-717 N-D '66
- Humoral antibodies in the blood serum of dogs in early stages of carcinogenesis under the effect of benzo(a)pyrene. P. A. Kozlovskii, A. P. Kozlovskii. *Vop. onk.* 12 no 12:67-68 '66

## CARCINOGENS

- Carcinogenic substances, in particular 3,4-benzopyrene, in smoked products and measures for their removal. I. M. Shabard. *Vest. AN SSSR* 15 no. 1:2-21 '66
- Characteristics of biotransformation activity of arylalkaline in irradiation. A. V. Gubanova, G. B. Pliha. *Vop. onk.* 12 no 11:51-58 '66
- Effect of some derivatives and isomers of uracil, cytosine, and adenine on the growth of transplantable tumors. I. A. Akhmedova. *Vop. onk.* 12 no. 12:66-67 '66
- Oncogenic properties of polyoma virus of the 13/Man cow strain. Z. I. Merkulova. *Vop. onk.* 12 no 11:45-48 '66
- Possible mechanism of the occurrence of local inflammatory processes. L. S. Sallamoun. *Pat. i izob. izob. tekhn.* no. 3:11-18 '64
- Sex differences in O-methylation excretion in the mouse. G. A. Belitskii. *Blud. okup. biol. i med.* 55 no 5:100-100 My '63

## CARD CATALOGS see Catalogs, Card

## CARDIA—CANCER

- From the history of the development of surgery for cancer of the cardia in the U.S.S.R. A. G. Savinykh. *Trudy Inst. im. N. V. Sklif.* 7:113-117 '63
- Motor function of the stomach following resection of the cardia for cancer. V. I. Zheleznyi, S. S. Alimov. *Sov. med.* 29 no. 12:2430 D '66

- Some problems of preoperative care of patients with cancer of the cardia and esophagus. B. I. Berezov, P. M. Binkhanov, M. D. Laphin. *Eksp. khim. i anal.* 8 no. 8:80-82 N-D '63

## CARDIA—DISEASES

- Experimental study of gastroesophageal reflux and methods of its surgical elimination. N. N. Karshtin. *Sov. med.* 29 no. 12:42-45 D '66

## CARDIA—SURGERY

- From the history of the development of surgery for cancer of the cardia in the U.S.S.R. A. G. Savinykh. *Trudy Inst. im. N. V. Sklif.* 7:143-147 '63

## CARDIAC ANEURYSMS

- Cardiac aneurysms developed following myocardial infarct, and their surgical treatment. B. V. Petrovskii. *Trudy Inst. im. N. V. Sklif.* 7:230-237 '63
- Further observations on the surgery of cardiac aneurysms. B. V. Petrovskii. *Khirurgiya* 80 no. 2:15-15 F '63

## CARDIAC MASSAGE

- Use of indirect cardiac massage in fatal electric injury under experimental conditions. N. S. Bokhtanov. *Sov. med.* 28 no 3:12-16 N '63

CARDIAC NERVES see Heart—Innervation

## CARDING

Effect of the return of the flat-carding waste into the carding machine on the quality of the product. D.I.V. Skudnii. Izv. vys. uchib. zav. ikh tekhn. prom. no. 3: 41-46 '66

## CARDING MACHINES

Efficient use of the flats on carding machines. G.V. Dzholakidze. Tekhn. prom. 26 no. 12: 20-24 D '66

## CARDIOVASCULAR AGENTS

Clinical study of Hawthorn, a survey of the literature. D.I.A. Guseinov. Azerb. med. zhurn. no. 7: 3-9 JI '62

## CARDIOVASCULAR RESEARCH

Gasparyan, L.F., and E.N. Budhina. [Methods for the functional research on the cardiovascular system] Metodiy funktsional'nykh issledovaniy serdtshe-sosudistoi sistemy. Kiev, Zdorov'e, 1961. 221 p. (DNLM)

## CARDIOVASCULAR SYSTEM

Change in motor cholinergic and the functional state of the cardiovascular system in students during the examination period. Report No. 2. M.M. Efendiev, I.A. Hagdasarova. Azerb. med. zhurn. no. 7: 49-55 JI '62

Effect of training exercises on functional state of cardiovascular system in young gymnasts. Z.E. Romanova. Teor. i prakt. fiz. kult., 29 no. 11: 63 N '66

## CARDIOVASCULAR SYSTEM—DISEASES

Cardiovascular diseases combined with pulmonary tuberculosis, pathoanatomical data. V.I. Braude. Sov. med. 29 no. 12: 504-108 D '66

Review of D.M. Abdullayev's book "Problems of cardiology." Sh.S. Khalilov. Azerb. med. zhurn. no. 8: 73-75 Ag '62

[Sanatorium and health resort treatment of cardiovascular diseases, materials for an interprovincial scientific and practical conference to be held September 28-30, 1965] Sanatorium-kurortno-lechebno-sredekho-sosudistykh zabolevaniy, materialy k mezhdoblastnoi nauchno-prakticheskoj konferentsii 28-30 sentyabrya 1965 goda. Chita, Chitinskii gos. med. in-t, 1965. 124 p. (DNLM)

## CARDIOVASCULAR SYSTEM—SURGERY

Current functional problems in surgery of the heart and blood vessels. S.A. Kolesnikov, S.V. Andreev. Sov. med. 26 no. 3: 3-7 M '63

## CARE OF THE SICK

Care for bedridden patients. D. Zaitsev. Sois. obschp. 11 no. 12: 39 D '66

## CARENE

$\Delta^1$ -Carene  $\rightarrow$  p-1,5-methylidene rearrangement in the reaction of 3,1-dibromocyclopentane with silver acetate. Z.G. Isacova, I.B. Nemirovskaya, B.A. Arbutov. Dokl. AN SSSR 171 no. 2: 119-120 N '66

Preparation of 3-hydroxymethyl- $\Delta^1$ -carene and its acetate. L.S. Avakova, S.D. Kustova. Trudy VNIISNDV no. 7: 20-31 '65

## CARGO HANDLING

(see also subdivision under Kollis, Archangel Province; Leningrad)

Complete mechanization of operations on landing and lifting grounds and clearing of loadstays. O.P. Khatkin. Bnpr. prom. 17 no. 1: 10-11 Ap '62

Port is ought to work better. N. Marfenin, D. Bakal. Rech. i transp. 21 no. 7: 9-11 JI '62

Vacuum apparatus for the unloading of cargo residues. A. Bolotovskii, D. Shmelyev. Rech. i transp. 25 no. 12: 21-25 '66

## CARGO HANDLING—ECONOMIC ASPECTS

Improving the water scale for loading and unloading operations. S. Blank. Rech. i transp. 25 no. 12: 6-9 '66

## CARGO HANDLING—EQUIPMENT AND SUPPLIES

New hold machinery. Z. Sherle. Rech. i transp. 21 no. 7: 46-49 JI '62

## CARIBBEAN AREA—TRADE UNIONS

[Trade unions of Central America and the Caribbean Sea countries] Prolsuzny stran Tsentral'noi Ameriki i Karibskogo Morka, [Moskva] Proizdat, 1966, 181 p. (Prolsuzny mir)

## CARCATURE

The "Young caricaturists" club. IU. Malina. Nar. obr. no. 12: 59-70 D '66

## CARNIVAL

Costumes and masks for the New Year's carnival. Sem'ia i shkola 21 no. 11: 63-64 N '66

## CARNIVORA—DISEASES AND PESTS

Spontaneous leukemia in carnivora. S.F. Sakharov, S.A. Tarasov. Veterinariia 43 no. 1: 40-42 Ja '67

## CAROTENE

Change in carotene content in connection with the metabolism of stativins in plants. A.S. Motarov. Trudy kh. duzhan., 11 S. Khark. univ. no. 1: 218-221 '66

Dynamic of the carotene and the ascorbic acid contents of the promising forage plants of the wild flora of the Caucasus introduced in Kiev. V.A. Nersisyan, I.A. Lepitskaya, S.S. Kharkevich. Bnpr. prom. 2 no. 4: 101-101 '66

Effect of  $\beta$ -ionone on carotene. E. Lashko, P. P. Blokhin. I. mikrobiol. 2 no. 6: 644-648 N-D '66

Effect of stabilizers on the preservation of carotene in alfalfa meal. E.A. L'vovich. Khim. v sel. khoz. 1 no. 12: 52-54 D '66

Photopotential of  $\beta$ -carotene film. G.G. Komissarov, IU. S. Shumov. Dokl. AN SSSR 171 no. 5: 1205-1208 D '66

Quantitative method of determining vitamin A and carotene in whole blood. V.A. Kupchova. Biokhimiia 28 no. 2: 201-209 M-Ap '63

## CAROTID ARTERY—ABNORMALITIES AND DEFORMITIES

Posterior trifurcation of the internal carotid artery and its significance in the clinical course of cerebrovascular diseases. R.M. Belenkova. Zhurn. i. psikh. 61 no. 1: 67-72 '67

CARP see subdivision under Atlantic Ocean; Moldova

CARP—PARASITES see Parasites—Carp

## CARPATHIAN MOUNTAIN REGION—GEOLOGY, STRUCTURAL

Geophysical data on boundaries of internal zone of Carpathian Trough. I.Z. Gontovoi. Nauch. zap. LPI no. 80: 155-162 '62

## CARPATHIAN MOUNTAIN REGION—OIL FIELD BRINES

Hydrochemical conditions in the brines prospecting area. A.F. Romanuk. Neft. i gaz. prom. no. 3: 9-10 JI '63

## CARPATHIAN MOUNTAIN REGION—OIL WELL DRILLING

Drilling of wells taking into consideration the regularities of natural rockiness. D.B. Barbatovskii and others. Neft. i gaz. prom. no. 1: 22-25 JI '63

## CARPATHIAN MOUNTAIN REGION—ROCKS, SEDIMENTARY—TESTING

Longitudinal wave velocities in fluid-containing sedimentary rocks of the Carpathian Mountain region, tested under high pressures. M.P. Volodavich and others. Trudy Inst. fiz. Zem. no. 37: 119-156 '66

## CARPATHIAN MOUNTAIN REGION—SEISMIC PROSPECTING

Methods of interpreting seismic wave sounding within internal zone of Carpathian Trough. IU.V. Timoshin. Nauch. zap. LPI no. 80: 51-57 '62

Seismic wave path velocities in the Carpathian Trough. G.I. Petkevich. Nauch. zap. LPI no. 80: 103-103 '62

## CARPATHIAN MOUNTAINS—GEOLOGY

[Geology of the U.S.S.R.] Geologiya SSSR. Glav. red. A.V. Sidorov. Moskva, Nedra. Vol. 48 [Carpathians] Karpaty. Pt. 1. Semenchenko, N.P., and others, eds. [Geological description] Geologicheskoe opisanie 1966. 538 p. map (inset)

## CARPATHIAN MOUNTAINS—GUIDEBOOKS

[Tourists in the Carpathians, a guidebook] Turisty v Karpaty; putevoditel'. Uzhgorod, "Karpaty," 1966, 206 p. illus.

## CARPATHIAN MOUNTAINS—LIMESTONE

Stratified limestones in Menilite series of Pokut'ye Carpathians. V.S. Buvov, V.V. Danysh. Dop. AN URSR no. 11: 171-174 '66

## CARPATHIAN MOUNTAINS—MINERALOGY

Graphite, graphitic or coal dust, concerning the mineralogy of the Rakhov Massif. G.S. Bezhanov, P.P. Nazarov. Izv. vys. uchib. zav. ikh tekhn. 8 no. 6: 55-61 Ja '63

CARPATHO-UKRAINE see Transcarpathia

CARROTS see subdivision under Caucasus, Northern

## CARROTS—FERTILIZERS AND MANURES

Effect of moisture conditions and mineral fertilizers on the yield of table carrot. P.K. Kuz'mich. Vod. khoz. no. 4: 91-98 '66

## CARROTS—VARIETIES

Effect of the day length on the growth and development of carrot varieties. L.V. Sazonova. Shet. trud. asp. 1 mol. nauch. sotv. VIR no. 2: 189-199 '61

## CARROTS—WATER REQUIREMENTS

Effect of moisture conditions and mineral fertilizers on the yield of table carrot. P.K. Kuz'mich. Vod. khoz. no. 4: 91-98 '66

## CARTOGRAPHY

(see also subdivision under Novosibirsk)

Conference in the Moscow Engineering Institute for Geodesy, Aerial Photography, and Cartography. Izv. vys. uchib. zav. geod. i kartogr. no. 3: 110-152 '62

## CASCADES (FLUID DYNAMICS)

New method for solution of cascade theory equations. A.I. Vasylin, V.V. Gorbunov, I.P. Ivanenko. Zhurn. i. psikh. 61 no. 5: 1463-1464 '66

## CASE HARDENING

Future process (fluid nitriding of machine parts). A.A. Borisov. Vest. mashinost. 16 no. 12: 74-80 D '66

Working out the optimal composition of the salt bath for sulfurizing the friction disks of the ships' reverse reduction gear. V.V. Kandin. Trudy LPI no. 82: 60-65 '63

## CASH REGISTERS

New possibilities of the KVM cash register. S. Porugil. Sov. tovg. 10 no. 1: 58 Ja '67

## CASPIAN LOW LAND—EARTH TEMPERATURE

Geothermal regime of some tectonic structures. M.M. Chaygulin, IU.G. Bogomolov. Dokl. AN SSSR 10 no. 12: 169-173 D '66

## CASPIAN LOW LAND—GEOLOGY

Methods of detecting key horizons in Pliocene and Quaternary deposits in northeastern part of Caspian Sea region in connection with search for Mesozoic structures. N.V. Morozova. Geol. nefi i gaz. 10 no. 11: 15-20 N '66

## CASPIAN LOW LAND—PLANTS—WATER REQUIREMENTS

Moisture consumption by vegetation in the Caspian virgin semidesert. I.N. Givinskaya. Priblizhenie no. 12: 73-63 D '66

## CASPIAN SEA—ARTIFICIAL ISLANDS—FOUNDATIONS

Using transport and assembly ship "Ker-Ogly" with a 250-ton crane for assembling foundations in marine oil fields. O.P. Babayev. Bnpr. prom. 12: 14-16 '66

## CASPIAN SEA—FLOATING CRANES

Using transport and assembly ship "Ker-Ogly" with a 250-ton crane for assembling foundations in marine oil fields. O.P. Babayev. Bnpr. prom. 12: 14-16 '66

## CASPIAN SEA—FORAMINIFERA, FOSSIL

Conditions governing distribution of mollusk fauna in bottom sediments of Caspian Sea and description of some new species. I.M. Gidrichov, Izv. V. Azerb. SSR, Ser. nauk o zem. no. 1: 21-31 '66

## CASPIAN SEA—HYDROLOGY

Calculation of Caspian Sea level fluctuations depending on temperature and salinity of its waters. S.S. Remyzova. Okeanologiya 6 no. 5: 794-798 '66

Effect of controlled regime of discharge of Volga, Kura, and Ural Rivers on annual course of Caspian Sea level. O.I. Shchegolevskaya, K.I. Smirnova. Okeanologiya 6 no. 5: 788-793 '66

## CASPIAN SEA—MOTOR SHIPS

Passenger vessels for the Caspian Sea. V.A. Galitskii. Sudostroyeniye 28 no. 12: 1-7 D '62

## CASPIAN SEA—OCEAN TEMPERATURE

Concerning one hypothesis of water temperature anomaly at eastern coast of middle Caspian. A.N. Solov'ev, G.M. Kuzolev. Okeanologiya 6 no. 5: 806-811 '66

Role of subsurface flow in water balance of Caspian Sea. Kh.K. Ullinov. Okeanologiya 6 no. 5: 811-816 '66

## CASPIAN SEA—URANIUM ORES

Uranium content of Caspian Sea sediments. G.N. Batulin. Atom. energ. 21 no. 6: 515-516 D '66

## CASPIAN SEA—WAVES

Characteristics of calculating maximum wave elements based on winds. A.M. Bragimov. Azerb. nefi. khoz. 45 no. 9: 43-44, 16 S '66

## CASPIAN SEA REGION—GEOLOGY, STRATIGRAPHIC

Lithologic and carbonate characteristics of the Upper Cretaceous and Tertiary sediments in the Caspian Tertiary monocline. G.A. Guseinov, I.M. Solomonov, A.M. Shirinov. Azerb. nefi. khoz. 42 no. 7: 6-8 JI '63

Quaternary sediments of Volga-Ural interfluvium in northern part of Caspian Sea region. A.A. Zaitchik. Sov. geol. 9 no. 12: 59-70 D '66

Zonal division and facies of Albian and Upper Cretaceous sediments of trans-Caspian region. M.I. Sokolov. Bnpr. i. kartogr. 41 no. 4: 56-72 M-Ag '66

## CASPIAN SEA REGION—SOLAR RADIATION—MAPS

Maps of radiation balance of southern Caspian. R.I. Hoffman. Izv. AN Azerb. SSR, Ser. nauk o zem. no. 4, 117-151 '66

**CASPIAN SEA REGION—WATER, UNDERGROUND**  
Role of subsurface flow in water balance of Caspian Sea  
Kh. F. Ulinov. *Okeanologiya* 6 no 5 211-216 '66

**CASPIAN SEA REGION—WINDS**  
Wind fields over northwestern part of Caspian Sea region  
I. M. Fupstigor'skiy. *Okeanologiya* 6 no 5 176-187 '66

**CAST IRON**  
Annealing capacity and structure of cupola furnace melted  
metallic blast iron calculated with Br. B and Sb. I. I.  
Bodrin, V. A. Fokler. *Lit. proizv.* no 11 12-13 1 '63  
Thermally treated gray cast iron as a substrate for  
hydrogen. V. D. A. Giklov, I. N. Lomonosov. *Stal i  
chugun* 12 no 6 7-10 '63

**CAST IRON—DEFECTS**  
Characteristics of linear shrinkage of gray cast iron be-  
fore the plastic phase. G. N. N. N. Lit. proizv.  
no 11 32-33 '63

**CAST IRON—HEAT TREATMENT**  
In casting the graphitization process of white cast iron  
under electric transfer conditions. I. K. Trachenko.  
*Lit. proizv.* no 11 37-38 1 '63

**CAST IRON—METALLOGRAPHY**  
Effect of a variable electromagnetic field on the stability  
of cementite in white cast iron. I. P. Ponomarev, P. I.  
Sorokin, V. N. Riazantseva. *Lit. proizv.* no 11 38-39  
1 '63

Metastable constitutional diagram of the system Fe -  
C - Si. F. V. G. L. A. Shchepetov. *Dokl. AN BSSR*  
10 no 10 774-782 O '66

Optimum structure of cupola furnace melted cast iron  
for impact mold casting. G. I. Tsygankov, V. V. I. I. I.  
Lit. proizv. no 11 12-13 '66

Studying the graphitization of white cast iron. I. K.  
Trachenko and others. *Izv. vuzov, zav. khim.*  
12 no 12 133-134 '66

**CAST IRON—METALLURGY**  
Effect of barium alloys on stability of the inoculation  
effect. V. S. Radia, G. G. Mikhailova. *Lit. proizv.*  
no 11 28-29 D '66

Effect of liquid inoculation on the wear-resistance of  
gray cast iron. M. V. Turboskiy. *Lit. proizv.* no 11  
35-37 1 '63

Studying reduction processes in start-up of blast furnaces  
operating with mixed blowing. L. A. Bialy, A. P. Kotov,  
Stal' 26 no 12 1075-1081 D '66

**CAST IRON—SULFUR CONTENT**  
Sulfur content in cupola furnace cast iron. L. I. Korh-  
shin. *Lit. proizv.* no 12 26-27 D '66

**CAST IRON—VIBRATION**  
Criteria for the vibration ageing of cast-iron parts  
Kn. Kocharian. *Prum. izm.* 4 no 10 31-33 '66  
Effect of vibration on the structure and properties of  
gray cast iron. N. G. Kasumzade, F. M. Mustafa-Zade.  
*Za tekh. prog.* 6 no 12 31-33 D '66

**CAST IRON—WELDING**  
Stenohogen, Yu. A., F. V. Khromov, and Yu. Ia. Greiskii.  
[Welding and build-up welding of cast iron] *Svarka i  
naplavka chuguna*. Kiev, Nukova dumka, 1966. 210 p.

**CAST IRON PIPE** see Pipe, Cast iron

**CAST STONE** see Stone, Cast

**CASTLES** see subdivision under Azerbaijan

**CASTRATION**  
Changes in the protein composition of skeletal, cardiac,  
and smooth musculature following castration. V. A.  
Iur'ev, Z. N. Zhakhov, N. I. Lopatina. *Blud. ekps. biol.*  
med. 35 no 5 554-557 1 '63

**CATALASE**  
Activity and catalytic capacity of blood catalase. S. I.  
Krahn. *Biokhimiya* 27 no 5 780-787 S-O '62.

Experiments in the use of "Libra" and bibliographical  
classification for the establishment of specialized  
card files. I. G. Subbotina. *O. A. Bykhovskiy. Sov.*  
*biol.* no 5 16-19 '66

Organization of classified catalogs of foreign fiction.  
M. A. Fokina. *O. A. Bykhovskiy. Sov. biol.* no 1 29-31 '61

**CATALOGS, SUBJECT**  
Discussing some controversial problems relating to sub-  
ject catalogs. V. P. Fyaglov, I. L. Pilyment. *Sov.*  
*biol.* no 5 50-51 '66

**CATALYSIS**  
(see also subdivision under Alma-Ata)  
Catalytic and autocatalytic in the reaction of ethy-  
lene oxide with aniline. M. M. Smirnova, N. N. Lebedev.  
*Trudy MKIPI* no 12 84-88 '63

Capacity of reaction of phenols in their reaction with  
ethylene oxide. V. F. Shchets, N. N. Lebedev. *Trudy*  
*MKIPI* no 12 74-83 '63

Catalytic activity of ethyls of White Russia. E. M. Bro-  
shchenko, T. A. Boldyreva, L. R. Stigina. *Dokl. AN*  
*BSSR* 6 no 9 567-569 S '62

Catalytic decomposition of  $H_2O_2$  in liquid phase in pre-  
sence of  $Li_2TiO_3$ ,  $Li_2ZrO_3$ ,  $Li_2HfO_3$ . S. A. Pustolin,  
A. F. Segeva. *Zhurn. fiz. khim.* 40 no 11 2688-2692  
1 '66

Catalytic transformation of cyclohexane in presence of  
water on nickel-aluminum catalyst. Report No. 2.  
Dependence of dehydrogenation, methane decomposition  
and cyclohexane reaction with water on temperature  
in different water concentrations in reactive mixture.  
T. A. Slovtchikova, A. A. Balandin, G. I. Usava. *Vest.*  
*Mosk. univ. Ser. 2. Khim.* 17 no 5 22-28 S-O '62.

Composition of active manganese dioxide. A. S. Lubi-  
mov, I. V. Egorov, I. I. Krylov. *Izv. AN SSSR, Neorg.*  
*met.* 2 no 12 2175-2180 O '66

Conference on catalytic reactions in the liquid phase.  
L. A. Kuvshina. *Vest. AN Kazakh. SSR* 19 no 1 91-92  
Ja '63

Effect of the nature of the base in the catalytic reac-  
tion of ethylene oxide with acetic acid and glycol monoac-  
etate. K. A. Gus'kov, N. N. Lebedev. *Trudy MKIPI*  
no 12 65-71 '63

Effect of ultraviolet radiation on catalytic processes  
activity. I. D. Ivanov, F. F. Rakhleva. *Izv. biokhim.*  
*zhurn.* 38 no 6 625-629 '66

Electronic theory of catalysis and the experiment. I. F.  
Vol'kenshtein. *Usp. khim.* 35 no 7 1277-1283 1 '66

Exchange between gaseous and structural hydrogen of  
aluminosilicate gel. G. M. Panchenkov and others. *Vest.*  
*Mosk. univ. Ser. 2. Khim.* 17 no 5 7-10 S-O '62.

Homogeneous catalytic hydrogenation. Part 8. V. A.  
Talupov. *Zhurn. fiz. khim.* 40 no 11 2021-2027 N '66

Hydrogenation of cottonseed oil on nickel-chromium  
catalyst on coal in an autoclave with intensive mixing.  
N. M. Popova and others. *Trudy Inst. khim. nauk AN*  
*Kazakh. SSR* 14 192-199 '66

Inhibition of the catalytic activity of metal ions of  
variable valency in the oxidation of rubber. A. S.  
Kuz'minskii, V. D. Zaitsev, N. N. Lezhnev. *Vysokom.*  
*soed.* 1 no 11 1682-1687 N '62

Kinetics of the reaction of hydrocarbon dehydrogenation.  
G. M. Panchenkov, I. M. Kolesnikov. *Trudy IGI* 18  
40-47 '62.

Preparation of diamines and polyamines by catalytic  
reduction of cyanogen groups. N. I. Shcheglov and  
others. *Trudy Inst. khim. nauk AN Kazakh. SSR* 11 167-  
191 '66.

Quality of catalysis in studying Triterpena-Agropyron  
hydrides. V. N. Melnikitskiy. *Blud. Giv. bot. sadu*  
no 63 53-61 '66

Reactivity of hydrogen as chain termination agent in  
polymerization of propylene on catalytic system  $C_5H_5Ni$ :  
 $TiCl_3/Al(C_2H_5)_3$ . O. N. Pliogov, N. M. Chirkov. *Vysokom.*  
*soed.* 8 no 10 1768-1803 O '66

Some features of autocatalysis in polymerization of com-  
plex of quinoline with zinc chloride. V. A. Kobanov and  
others. *Vysokom. soed.* 8 no 10 1760-1768 O '66.

Studying the mechanism of the reaction of ethylene oxide  
with amines and the reactive capacity of amines in the  
acid catalysis of the process in nonaqueous solutions.  
M. V. Smirnova, N. N. Lebedev. *Trudy MKIPI* no 12  
89-93 '63

Use of synthetic zeolites (molecular sieves) in catalysis.  
Kh. M. Minachev, V. I. Gaganin, I. A. Isakov. *Usp. khim.*  
35 no 12 2151-2177 D '66.

**CATALYSTS**  
Catalytic activity of metals as depending on their posi-  
tion in periodic table. A. M. Sokol'skaia and others.  
*Trudy Inst. khim. nauk AN Kazakh. SSR* 14 200-209 '66

Catalytic conversion of cyclodecane on an aluminum-  
chromo-potassium catalyst. E. S. Balenkova and others.  
*Neftekhimiya* 3 no 5 659-662 S-O '63

Catalytic polymerization of alkylphenyl-N-phenylamino-  
silanes. K. A. Andrianov, A. M. Kozlov, N. N. Mikalova,  
*Plast. massy* no 12 19-22 '66

Developing an aluminum-chromo-potassium catalyst in  
the dehydrogenation of isopentane. O. D. Storilov and  
others. *Neftekhimiya* 3 no 5 642-648 S-O '63

Effect of external diffusion inhibition on the process in  
porous catalyst. V. G. Velych, H. I. Kibickiy, I. M.  
P. P. Dokl. AN SSSR 17 no 2 306-309 N '66

Effect of hydrodynamic conditions on the chemical reac-  
tions in the fluidized bed of a catalyst. K. V. Loshcheyev  
and others. *Neftekhimiya* 3 no 5 690-695 S-O '63

Kinetics of the polymerization of ethylene oxide in an  
amm and oxide molybdenum catalyst in the gas phase.  
M. A. Landau, V. V. Shchekin. *Neftekhimiya* 3 no 5 614-  
718 S-O '63

Liquid phase hydrogenation of 1-hexene on ruthenium  
palladium catalysts of different composition. D. V.  
Sokol'skiy and others. *Trudy Inst. khim. nauk AN*  
*Kazakh. SSR* 11 222-225 '66

Magnetic properties of catalysts for ethylene oxida-  
tion. Part 6. V. D. Kozlov, V. I. Fedotkinov. *Zhurn. fiz.*  
*khim.* 40 no 11 2816-2881 N '66.

Mechanism of catalytic reaction on molybdenum ox-  
ide. R. W. S. Ruckel, platinum, and palladium blacks. V. P.  
Shumakov. *Trudy Inst. khim. nauk AN Kazakh. SSR*  
11 78-105 '66

Mechanism of the synthesis of hydrocarbons from carbon  
monoxide and steam. I. I. Bogdanov. *Trudy IGI* 10:  
31-39 '69

New "mitochondrial" method of studying active centers of  
catalytic catalyst. O. M. Polunin, V. S. Buzanin.  
*Zhurn. fiz. khim.* 40 no 11 2611-2667 N '66

Reaction of  $\alpha$ -olefins with Ziegler-type soluble complex  
catalyst and the initiation mechanism of ethylene  
polymerization. A. I. Shilov, A. K. Shilov, I. N.  
Bobkov. *Vysokom. soed.* 1 no 11 1688-1695 N '62

Study of catalysis by means of a vacuum emission  
method. Part 1. V. V. Kiylova, O. G. Kuznetsov.  
*Zhurn. fiz. khim.* 40 no 11 2018-2030 N '66

Study of catalyst behavior by means of exsolution cata-  
lysis. Part 1. I. U. P. Sitnikov and others. *Zhurn. fiz.*  
*khim.* 40 no 11 2660-2661 N '66

Study of electrochemical behavior of ruthenium electro-  
catalyst by means of the charge transfer method. T. N.  
Stolnitskaya, G. P. Khomichuk, G. D. Vavchenko.  
*Vest. Mosk. univ. Ser. 2. Khim.* 17 no 5 30-33 S-O '62

**CATARACT**  
Vainsheln, E. S. [Cataract] Katarakt. Moskva, Medit-  
sina, 1966. 14 p. (Nauchno-popul'naya meditsinskaya  
literatura) (DNLM)

**CATANTONIA**  
Therapeutic mechanism of the effect of reserpine in the  
catantonic stupor form of schizophrenia. I. I.  
Dmitriyev. *Zhurn. nevrol. i psikh.* 63 no 12 1013-1017 '63

**CATFISHES** see subdivision under Kachkovskaya Reservoir

**CATHODE RAY OSCILLOGRAPH**  
Redesigning of the N-11 oscillograph. I. S. Mazon, V. A.  
Shteyn, *Elektronika* 37 no 11 1888-1890 N '66

**CATHODES**  
Effect of platinum group metal films on the reduction of  
an oxide coated cathode. H. A. Volodina, A. V. Druzhinina,  
V. A. Smirnova. *Radiotekhnika i elektronika* 11 no 12 2202-  
2205 D '66

Origin and characteristics of cathode spots in impulsive  
discharge. R. Buzanin and others. *Izv. AN SSSR, Ser.*  
*fiz.* 30 no 19 2011-2018 D '66

Role of the material of the central part of a cold cathode  
in Penning-type discharge. F. M. Rakhleva, I. V.  
Shteyn, Kula, R. P. Babitskiy. *Radiotekhnika i elektronika*  
11 no 11 2005-2008 N '66

**CATHODIC PROTECTION**  
Corrosion protection of electrolytic pipelines. R. G.  
Minesian. *Elektrokhim.* no 8 1-20 '66

**CATTLE—DISEASES AND PESTS**  
Amino acid composition of leucocytes in cattle leukemia.  
V. A. Chichin. *Veterinariya* 43 no 1 38-40 Ja '67

Prophylaxis and therapy of plague in cattle. E. A. Kolesnikova.  
*Veterinariya* 43 no 12 30-31 D '66

Role of soil detritophages in the ecology of trichophy-  
tosis in cattle. T. P. Pchelintseva. *Veterinariya* 43  
no 12 29 D '66

Ticks *Ixodes ricinus* and *Rhipicephalus* but as carriers  
of the bacteria of cattle. V. D. Medvedevskaya. *Vete-  
rinariya* 43 no 1 59-62 Ja '67

Treating actinomycosis in cattle. A. P. Kosykh.  
*Veterinariya* 43 no 1 163-65 N '66

**CATTLE—FEEDS AND FEEDING**  
Year-round stall system of keeping cattle. Inform. bul.  
VDNKH no 9 14 '62

**CATTLE—PARASITES** see Parasites—Cattle

**CAUCASUS—ATMOSPHERIC TEMPERATURE**  
Effect of physico-geographical conditions governing Cau-  
casus on temperature regime of free atmosphere. I. P.  
Kvartskhava. *Trudy Zaknigmi* no 11 54-59 '63

**CAUCASUS—BRONZE AGE**  
What do we know about ancient bronze of Caucasus?  
I. R. Selimkhanov. *Prirada* 85 no 12 34-37 '66

## CAUCASUS—GARNET

Conduct-bearing crystal tufts of north-eastern Caucasus. M. G. Lomize. *Dokl. Akad. Nauk SSSR* 41 no. 1:102-110 1966.

## CAUCASUS—GEOLOGY, STRATIGRAPHIC

New data on the presence of the Lower Albian in the Akra zone of the Lesser Caucasus. A. G. Khvilo, O. D. Garmayev, G. M. Gasimov. *Dokl. AN Azerb. SSR* 18 no. 1:65-67 '63.

## CAUCASUS—GEOLOGY, STRUCTURAL

Latest relationship of morphology and tectonics of Lesser Caucasus. R. G. Sultanov, A. D. Khatimov. *Izv. AN Azerb. SSR Ser. nauk i tekhn.* no. 4:121-130 '66.

## CAUCASUS—PHYSICAL GEOGRAPHY

Effect of physiogeographical conditions governing Caucasus on temperate regime of free atmosphere. I. F. Kvanalishvili. *Trudy Zashchit. no. 11:54-59 '63*.

## CAUCASUS—RUNOFF

Vazimov, A. N. [Analysis and forecasting of the stream-flow of the Caucasus]. *Analiz i prognozy sloka rek Kavkaza*. Moscow, Gidrometeoizdat, 1966. 273 p.

## CAUCASUS—TANGERINE

Studying the degeneration phenomenon in the tangerine citrus anthers during vegetative propagation. V. V. Glazyrin. *Sbornik dokl. i mol. nauch. sot. VIR* no. 2:239-247 '61.

## CAUCASUS—TOURISM

Voronov, A. A. [Topographical manual for tourists]. *Spravochnik turistov po topografi. Maikop, Adygskoe knizhnoe izd-vo*, 1963. 106 p. [MICROFILM]

## CAUCASUS—VOLCANIC ASH, TUFF, ETC

Garnet-bearing crystal tufts of northwestern Caucasus. M. G. Lomize. *Dokl. Akad. Nauk SSSR* 41 no. 1:102-110 1966.

## CAUCASUS, NORTHERN—AGRICULTURE

Zyryanov, F. P. [Intensification is the main element; activity of party organizations of the Northern Caucasus in the development of agricultural production]. *Intensifikatsiya - glavnoye zveno, delatel'nosti partiynykh organizatsiy Severnogo Kavkaza po razvitiyu sel'skokhozyaistvennogo proizvodstva*. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1966. 281 p. (CS1-B)

## CAUCASUS, NORTHERN—CARROTS

Studying sesquiterpene compounds of essential oils from the fruits of the wild carrot *Daucus carota* L. growing in the Northern Caucasus. G. V. Pigulevskii, V. I. Kovaleva. *Russk. khim.* 2 no. 4:527-531 '66.

## CAUCASUS, NORTHERN—DOGWOOD—VARIETIES

Intraspecific diversity of Cornelian cherry trees in the piedmonts of the Northern Caucasus. T. G. Bellavina. *Sbornik dokl. i mol. nauch. sot. VIR* no. 2:232-239 '61.

## CAUCASUS, NORTHERN—EARTH TEMPERATURE

Geothermal regime of some tectonic structures. M. M. Chaygyn, Yu. G. Bogomolov. *Dokl. AN BSSR* 10 no. 12: 969-973 1966.

## CAUCASUS, NORTHERN—ECONOMIC CONDITIONS

Development of the Northern Caucasus after the Reform of 1961. V. S. Galitshev. *Izv. Sev. -Oset. nauch. -issl. inst.* 25:92-106 '66.

## CAUCASUS, NORTHERN—FORESTS AND FORESTRY

How the Russian pre-revolutionary government seized the communal forests of North Ossetia. S. D. Kulov. *Izv. Sev. -Oset. nauch. -issl. inst.* 25:125-133 '66.

## CAUCASUS, NORTHERN—FRUIT—IRRIGATION

Water expenditure of orchards in irrigation. S. A. Iakovlev. *Vod. khoz.* no. 1:3-11 '66.

## CAUCASUS, NORTHERN—GAS, NATURAL—GEOLOGY

Prospects for oil and gas occurrences in Paleozoic (?) folding in western and central Ciscaucasia. B. M. Vakhov, I. S. Sarkisyan. *Neftegaz. geol. i geofiz.* no. 12:12-14 '66.

## CAUCASUS, NORTHERN—GEOLOGICAL TIME

Age of metamorphic layers in the Peredovoy Range of the Northern Caucasus. A. A. Belov, S. M. Kropachev, A. Yu. Rozanov. *Izv. vyzhch. zav. geol. i razv.* 6 no. 1:31-38 Ja '63.

## CAUCASUS, NORTHERN—GEOLOGY, STRATIGRAPHIC

New stratigraphic scale of Middle Paleozoic sediments in the Northern Caucasus. D. S. Kizeval'tse. *Izv. vyzhch. zav. geol. i razv.* 6 no. 1:11-30 Ja '63.

Stratigraphy of the Upper Cretaceous sediments in the Tauric-Basins (Lesser Caucasus). R. N. Mamedzade. *Azerb. neft. khoz.* 42 no. 7:8-10 Ji '63.

## CAUCASUS, NORTHERN—HISTORICAL GEOGRAPHY

Establishing the place of the Akhards and the alliance of the Sirak tribes, based on written sources. V. B. Vinogradov. *Sov. arkheol.* 10 no. 4:38-50 '66.

## CAUCASUS, NORTHERN—HISTORY

[Leading force of modern times, from the history of the Soviet working class of Daghestan and Northern Caucasus]. *Vedushchaya sila sovremennosti, iz istorii sovetskogo rabochego klassa Dagestana i Severnogo Kavkaza*. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964. 170 p. (CS1-B)

The Russian pre-revolutionary government and the peoples of the mountain regions of the Northern Caucasus from 1860-1900. F. P. Trofino. *Izv. Sev. -Oset. nauch. -issl. inst.* 25:107-124 '66.

## CAUCASUS, NORTHERN—LAND TENURE

History of agrarian reforms in the national autonomous regions of the Northern Caucasus, 1910-1922. M. I. Orzhimskaya. *Izv. Sev. -Oset. nauch. -issl. inst.* 25: 68-83 '66.

## CAUCASUS, NORTHERN—LEPTOSPIRITIS

Clinical epidemiological characteristics of leptospirosis in some regions of the Northern Caucasus. I. A. 5. Pripkevich-Danilov. *Sov. med.* 26 no. 3:11-46 M '63.

## CAUCASUS, NORTHERN—METEOROLOGY, AGRICULTURAL

Bitov, V. M. [Agroclimatic conditions of the Northern Caucasus, applicable to winter wheat]. *Agroklimateicheskie resuly Severnogo Kavkaza, primenitel'no k ozimoi pshenitse*. Leningrad, Gidrometeor. izd-vo, 1966. 155 p. illus. (DNAL)

## CAUCASUS, NORTHERN—ORGANIC MATTER

Role of geological and geochemical factors in accumulation of dissolved organic matter in Mesozoic and Cenozoic sediments in western Ciscaucasia. E. S. Latskaya. *Lit. i pol. iskop.* no. 6:65-77 N-D '66.

## CAUCASUS, NORTHERN—PETROLEUM—TRANSPORTATION

Gathering oil and gas in the fields of Ciscaucasia. S. S. Shmeikh. *Neft i gaz. prom.* no. 3:63-65 Ji-S '63.

## CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Prospects for oil and gas occurrences in Paleozoic (?) folding in western and central Ciscaucasia. B. M. Vakhov, I. S. Sarkisyan. *Neftegaz. geol. i geofiz.* no. 12:12-14 '66.

Regional cap rocks and their role in distribution of petroleum of various types in Mesozoic deposits of western Ciscaucasia. T. A. Botunova, G. N. Molodykh. *Neftegaz. geol. i geofiz.* no. 12:14-18 '66.

## CAUCASUS, NORTHERN—RAILROADS—COST OF OPERATION

Potentials for cutting transportation costs. T. Z. Koshkarev. *Zhel. dor. transp.* 18 no. 11:87-90 N '66.

## CAUCASUS, NORTHERN—REVOLUTION, 1917-1921

Zelikhovich, I. M. [Years of struggle]. *Gody bor'by. [Stavropol'] Stavropol'skoe knizhnoe izd-vo*, 1963. 34 p. (CS1-B)

## CAUCASUS, NORTHERN—ROCKS, SEDIMENTARY

Lithology of Pre-Cambrian formation of volcanoclastic rocks in Shidzharmay Valley (Northern Caucasus). I. U. IA. Potapenko. *Lit. i pol. iskop.* no. 6:142-148 N-D '66.

## CAUCASUS, NORTHERN—TRANSPORTATION

Coordination of rail and automobile transportation in an economic region. K. Tugengol'd. *Avt. transp.* 41 no. 7:23-25 Ji '63.

## CAUCASUS, NORTHERN—WHEAT

Bitov, V. M. [Agroclimatic conditions of the Northern Caucasus, applicable to winter wheat]. *Agroklimateicheskie resuly Severnogo Kavkaza, primenitel'no k ozimoi pshenitse*. Leningrad, Gidrometeor. izd-vo, 1966. 155 p. illus. (DNAL)

CAVES see sub-division under Bashkiria; Crimean Mountains

## CAVITATION

Increasing the resistance to cavitation of proin of the operating bushings and cylinder blocks of marine outboards. Z. A. Khandov, I. U. T. Sapenko. *Safoastroente* 56 no. 11:23-24 '66.

## CELESTIAL MECHANICS see Mechanics, Celestial

## CELIAC ARTERY

Methodology for experimental catheterization of the celiac artery and its branches. Kh. D. Kulleva, P. N. Mozgov. *Eksper. khir. i anest.* 8 no. 6:246-28 N-D '63.

## CELL DIVISION (BIOLOGY)

Diurnal fluctuations of <sup>3</sup>H-thymidine incorporation into intraphase primary spermatocytes of mice. O. P. Makedonov. *TSitologiya* 8 no. 5:652-654 S-O '65.

Effect of basal polypeptides on cleavage of sea urchin eggs. V. I. Vorob'ev, T. A. Smirnova. *TSitologiya* 8 no. 5:655-658 S-O '66.

The 24-hour rhythm of cell division in tissue cultures. N. I. Zaskalko. *Bulet. eksp. biol. i med.* 55 no. 5:104-108 M '63.

## CELL METABOLISM

Mechanism of interferon effect on reproduction of small-pox virus and cell metabolism. O. P. Peterson. *Vopr. virus.* 11 no. 6:662-666 N-D '66.

## CELL NUCLEI

Information and ribosomal ribonucleic acids in the chromosomal-nucleolar apparatus, methods of their separation and their nucleotide composition. G. P. Georgiev, V. I. Monteva. *Biokhimiya* 21 no. 3:949-957 S-O '62.

Structure and chemistry of cell nucleus as organoid of cellular ribosome synthesis. I. U. S. Chentsov, Uzb. akad. biol. 62 no. 1:324-344 N-D '66.

## CELLS

Cytochemical study of intracellular inclusions in measles infection. Z. A. Ishmuratova, L. A. Vanag. *Vopr. virus.* 11 no. 6:705-711 N-D '66.

Effect of thyroid hormones on the content of individual protein fractions in the structural elements of rat liver cells. S. I. A. Kaplanskii, S. I. Usupova. *Biokhimiya* 27 no. 5:907-911 S-O '62.

Frank, G. M., and V. G. Asikhova. [Life of the cell]. *Zhizn' kletki*. Moscow, Znanie, 1967. 15 p. (Novou v znanii, nauke, tekhnika. XII Seriya. Estestvoznaniye i religiya, no. 1)

Glutamine and glutamic acid distribution in various elements of gastric muscle cells. H. M. Bekh-zade, H. I. Syldanova. *Uzb. biokhim. zh.* 38 no. 5:612-647 '66.

Ultrastructural organization of olfactory cell hairs in bony fishes. A. A. Bronshteyn, G. A. Piatkina. *TSitologiya* 8 no. 5:612-645 S-O '66.

## CELLS—PERMEABILITY

Study of permeability of artificial membranes for neutral and ionizing substances as related to membrane structure. I. N. Volosova, A. G. Pasyanski. *Biokhimiya* 31 no. 6:1159-1166 N-D '66.

Ultrastructure of crab axon and its permeability to vital stains. K. A. Gol'fand and others. *TSitologiya* 8 no. 5:585-597 S-O '66.

## CELLULAR GLASS see Glass, Cellular

## CELLULAR PATHOLOGY see Pathology, Cellular

## CELLULOSE

Cellulase activity of soils of some East Siberian landscapes depending on the conditions of the geographical environment. V. P. Kisil'tyina. *Dokl. Inst. geog. Sib. I Dal', Vost.* no. 10:10-44 '65.

## CELLULOSE

Choice of methods for studying changes in the properties of straw and seed cellulose in the process of grinding. M. M. Ginzberg. *Sbornik dokl. i mol. nauch. sot. VIR* no. 2:244-246 '61.

Decomposition of methylcellulose by soil fungi. I. G. Kisevskaya. *Mikr. obiol.* 35 no. 5:668-670 S-O '66.

Improving the filamentous structure and the properties of cellulose hydrate fibers. N. D. Ish. *Zh. VNIIO* 11 no. 6:647-653 '66.

Modern concepts concerning the milling of cellulose fibers. D. S. Dobrovolskii. *Bum. prom.* 37 no. 1:30-31 Ap '62.

Reactivity of polyacetal as depending on their structure. N. IA. Lenshina, V. I. Ivanov. *Vysokom. soed.* 4 no. 11:1647-1653 N '62.

## CELLULOSE ACETATES

Study of methacrylamide grafting to acetate cellulose films under the effect of ultraviolet radiation. S. K. Kudina. *Vysokom. soed.* 8 no. 10:1623-1627 O '66.

## CELLULOSE DECOMPOSING MICRO-ORGANISMS see Micro-organisms, Cellulose decomposing

## CELLULOSE ESTERS—DIELECTRIC PROPERTIES

Dielectric properties of some cellulose esters in a wide temperature range. P. F. Vaselevskii. *Vysokom. soed.* 4 no. 11:1617-1624 N '62.

## CELLULOSE XANTHATES

Infrared spectroscopic study of the structure of some stable cellulose xanthate derivatives. R. G. Zibankov and others. *Vysokom. soed.* 1 no. 11:1696-1702 N '62.

## CEMENT

Cement for earthquake-proof building. N. V. Volkonskii, N. P. Sitel'tse. *TSement* 32 no. 6:3-4 N-D '66.

Contradiction change of the solid phase of cement stone setting. I. N. Akhmedov, T. E. Shalmo. *Dokl. AN BSSR* 6 no. 9:570-573 S '62.

## CEMENT—HARDENING

How to prevent "false hardening" of cement. L. IA. Lopatnikova, V. I. Guseva. *TSement* 32 no. 6:6-7 N-D '66.

## CEMENT—TRANSPORTATION

Device for mechanized loading of cement on railroad cars. V. D. Kozryev. *TSement* 32 no. 6:20 N-D '66.

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## CERUIM-NICKEL-SILICON ALLOYS

Crystal structures of compounds  $\text{CeNi}_2\text{Si}_2$  and isomorphous compounds in related systems. D. I. Bodak, L. I. Gladyshevskii, P. I. Kripakovich. Izv. AN SSSR Neorg. mat. 2 no 12 2161-2155 D '66

## CERVANTES SAavedra, MIGUEL DE, 1547-1616

Cervantes bibliography. E. Minaev, Knizh. izd. 17 no 12 38-49 D '66

## CESIUM

Studying cesium adsorption on tungsten single crystals. V. M. Gavriluk, A. G. Nannumovets, A. G. Fedorov. Zhur. eksp. i teoi. fiz. 51 no 5:1332-1310 N '66

## CESIUM ISOTOPES—PSYCHOLOGICAL EFFECT

Change in  $\text{Cs}^{137}$  concentration in human organism. I. V. Stukhasev, V. A. Kananets, O. M. Arutunov. Radiobiologiya 6 no 6 822-825 '66

## CESTODA

(see also subdivision under Kamchatka; Moldavia)

Rapid method for staining cestodes. B. E. Krok. Veterinarnia 43 no 1 101 Ia '67

Revision of genus *Dilepis* (Cestoda: Cyclophyllidae). A. A. Spasskii. Paraz. zhiv. i rast. no 1 65-83 '65

Revision of genus *Paratetracanth* (Cestoda: Dilepididae). A. A. Spasskii, I. P. Spasskii. Paraz. zhiv. i rast. no 1 81-101 '65

## CEYLON—FOREIGN RELATIONS—RUSSIA

Moscow and Colombo. B. Riabov. Nov. vrem. 25 no 8 18-19 F '67

## CHAKOVSKII, MODEST IL'ICH, 1850-1916

Modest Il'ich Chakovskii as a teacher of the deaf. G. V. Kuznetsov. Uch. zap. MGPI no 219:189-209 '61

## CHAINS

Choice and use of load-lifting block chains. M. Shifilov. Rezh. transp. 25 no 12 36-39 '66

## CHAIRS

(see also subdivision under Odessa)

Electric varnishing of chairs with highly viscous varnish. V. S. Voronuk, M. L. Beloruk. Det. prom. 15 no 12 8-9 D '66

## CHALCOGENIDES

Optical width of forbidden zone. Tin halides and chalcogenides. S. S. Batsanov, S. S. Dubonova, N. A. Shestakova. Izv. AN SSSR Neorg. mat. 2 no 12 2251 D '66

Study of the systems  $\text{PbSe} - \text{GeSe}$  and  $\text{GeSe} - \text{GeTe}$ . L. E. Shelimova and others. Izv. AN SSSR Neorg. mat. 2 no 12 2193-2199 D '66

## CHALCOGENIDES—MAGNETIC PROPERTIES

Studying magnetic properties of neodymium monochalcogenides at 4° - 150° K. V. E. Adamian, G. M. Logunov. Zhur. eksp. i teoi. fiz. 51 no 4:1014-1017 O '66

## CHALCONE

Absorption spectra and stability of complexes formed in the interaction of thiophene analogs of chalcone with tin chlorides and antimony pentachloride. V. M. Tolmachev, O. F. Boboirov, V. I. Lavushyn. Dop. AN URSR no 11:1454-1457 '66

## CHALCOPHYLLITE—SPECTRA

Applying perturbation theory in studying electron energy spectrum in semiconductor compounds with chalcophyllite lattice. G. F. Karavayev, A. S. Poplynov. Fiz. tver. tela 8 no 7:2143-2148 JI '66

## CHAMAZULENE

Chamazulene C-glucoside. M. V. Nazarenko, M. S. Perova, E. A. Sokolova. Khim. prirod. soed. no 5: 361-362 '66

## CHANCE

The dialectic of necessity and chance. G. M. Shtraks. Vses. Mosk. un. Ser. 8: Filos. 21 no 3:81-86 My-Je '66

## CHANNELS (HYDRAULIC ENGINEERING) see subdivision under Georgia

## CHARDZHOU DISTRICT—ALFALFA

Restore the past glory. A. Baeva. Zemledelie 28 no 11: 34 N '66

## CHIRVAK HYDROELECTRIC POWER STATION

Chirvak Hydroelectric Power Station is a starter project of the five-year plan. L. V. Ivanov. Shoi i fakht. Uzb. 7 no 11:32-33 N '66

## CHATKAL RANGE REGION—FLUOSPAR

Radial fluorite of Chatkal Range region. I. P. Zarovich. Uzb. geol. zhur. 10 no 5:75-76 '66

## CHEBOKSAPOV, N. N.

Awarding the N. N. Miklukho-Maklai Prize. Vest. AN SSSR 36 no 12:95 D '66

## CHEBYSHEV POLYNOMIALS

Analysis of successfulness of approximation of surface pressure field by expansion in Chebyshev polynomials. A. V. Gaas. Trudy ANII 377 14-50 '66

Interpolation by rational functions with fixed poles. V. N. Rusak. Dokl. AN SSSR 4 no 9:518-520 S '62

## CHECHEN-INGUSH A. S. S. R.—CORN (MAIZE)

Our current objective is to produce 150 centners. A. Kaptimano. Mol. prom. no 11:17-18 N '61

## CHECHEN-INGUSH A. S. S. R.—INDUSTRIES

Zoev, S. O. [Development of Chechen-Ingush Industry] Razvitiye promyshlennosti Checheno-Ingusheti. [Groznyl] Checheno-Ingushetskoe knizhnoe izd-vo, 1966. 57 p. [MICROFILM]

## CHECHEN-INGUSH A. S. S. R.—PROSPECTING

Gift of Grozny oil prospectors. Sh. Abulakarov. Neftanik 11 no 11:5 N '66

## CHECHEN REGION (NORTH OSSETIA)—COMMERCE

The trade and exchange of goods in the Chechen region from the second half of the 18th century through 1850. T. V. Totoev. Izv. Sov. - Oset. nauch. - issl. inst. 23, 151-168 '66

## CHECKERS

Checker dynamics. Sem'ia Ishkoldi. 21 no 12:67 D '66

## CHEKHOV, MIKHAIL ALEKSANDROVICH, 1891-1955

Mikhail Aleksandrovich Chekhov. Ruben Simonov. Teatr 21 no 7:112-117 JI '63  
Questionnaire answered by M. A. Chekhov. Teatr 21 no 7:118-122 JI '63

## CHELATES

Extraction of chelate compound of platinum (IV) with 1-phenyl-3-methyl-1-hydroxy-5-pyrazolone (IV). A. Zolotov, M. K. Chumova, P. N. Palei. Zhur. anal. khim. 21 no 10:1217-1222 '66

## CHELYABINSK—AIRPORTS

Combined terminal in Chelyabinsk. V. Iurkin. Arkhit. SSSR no 8:50 '66

## CHELYABINSK—HISTORY

Kozyrev, A. I. [M. I. Kalinin in Chelyabinsk Province, 1920, 1921, and 1933] M. I. Kalinin v Chelyabinskoi oblasti, 1920, 1921, 1933 gody. Chelyabinsk, Uzhno-Ural'skoe knizhnoe izd-vo, 1966. 32 p. (CSI-II)

## CHELYABINSK—MOTORBUS TERMINALS

Combined terminal in Chelyabinsk. V. Iurkin. Arkhit. SSSR no 8:50 '66

## CHELYABINSK—PIPE MILLS—ELECTRIC EQUIPMENT

High-speed assembly of the electric equipment of the "1020" Pipe Mill. L. I. Shufman, D. I. Buzman. Mont. i spets. rab. v stroi. 23 no 9:12-11 S '63

## CHELYABINSK—RADIO IN INDUSTRY

Let us correct mistakes. T. Frolova, L. Chernyshev. Sov. radio i tel. 12 no 3:20-21 My '63

## CHELYABINSK—ROLLING MILLS—DESIGN AND CONSTRUCTION

From experience of building complex for continuous billet mill in Chelyabinsk. I. V. Vainshtein, I. A. S. Krut'kov. Prom. stroi. 41 no 11:2-1 '66

## CHELYABINSK—STEEL INDUSTRY

They disproved the estimates of engineers. F. Vainshtein. Mol. prom. no 3:40-11 My '61

## CHELYABINSK PROVINCE—ANOPHELES

Phenology of Anopheles maculipennis meadoni in Chelyabinsk Province. V. G. Litatov, A. G. Kotlov. Zhur. Med. paraz. i paraz. bol. 31 no 5:614-618 S-O '62

## CHELYABINSK PROVINCE—CONSTRUCTION INDUSTRY

Tarasenko, M. A. [Business accounting of construction organizations and operation planning in construction, as exemplified by the construction organizations of Chelyabinsk Province] Vnutriposti ochnyi khozraschet i oporativnoe planirovaniye v stroitel'stve; na primerekh stroitel'nykh organizatsii Chelyabinskoi oblasti. [Chelyabinsk] Chelyabinskoe knizhnoe izd-vo, 1963. 99 p

## CHEMICAL APPARATUS

Automatic control of the pH medium in the production of rubber with the use of rosin and fatty acid emulsifiers. D. S. Gilegov and others. Kauc. i rez. 21 no 6:45-47 Je '62

Automatic pH-maintaining titrating device. Vest. AN SSSR 36 no 12:26 D '66

Oxidation of ammonia by oxygen in tubular-type apparatus. A. P. Zaborin, R. G. Orzulova, V. I. Troshchenko. Khim. prom. Ukr. no 6:28-29 N-D '66

## CHEMICAL APPARATUS—COOLING

New developments in the cooling system for hydrolysis. V. K. Goncharenko. Gidroliz. i sosoln. prom. 15 no 4:21 '62

## CHEMICAL BONDS

Calculation and interpretation of vibrational spectra of diborane compounds. Part 4. V. N. Kapshtal, L. M. Sverdlov. Zhur. fiz. khim. 40 no 11:2818-2822 N '66

Effect of chemical bonds between rubber and filler on vulcanizate reinforcement. Z. V. Chernykh, V. G. Epshin, B. P. Ikhonov. Koll. zhur. 28 no 6:900-903 N-D '66

Effect of the structure of unsaturated mixtures with conjugate bonds on their hydrogenation rate in mixed solvents. I. D. Volkov, I. V. Sokol'skii. Trudy Inst. khim. nauk AN Kazh. SSR 11:231-239 '66

Mechanism underlying two-photon sensitization of bond breaking in organic molecules at 77°K. V. V. Rylov, V. I. Kholodkovskiy. Dokl. AN SSSR 171 no 2 395-398 N '66

Provision of determination of lattice energies and bond energies in complex compounds of platinum. V. A. Pal'tin, N. A. Korzhina, I. I. Cherniak. Zhur. neorg. khim. 11 no 12:137-2412 N '66

Reactivity of polyacetylene as depending on their structure. N. A. Iushina, V. I. Ivanov. Vysokom. soul. 4 no 11: 1647-1653 N '62

Two-photon sensitization of C-I bond breaking in ethyl iodide in the presence of aromatic compounds. V. V. Rylov, V. I. Kholodkovskiy. Zhur. fiz. khim. 40 no 11:2960-2962 N '66

## CHEMICAL ELEMENTS

(see also subdivision under Russian Platform)

Popens, J. [Chemical elements in nature and medicine] Khimicheski elementi daba mi medicina. Riga, Zvaigzne, 1966. 60 p. [In Latvian]

## CHEMICAL ENGINEERING

Vedenikov, M. I., and I. V. Rudol. [Handbook for the operators of compressors and pumping machinery in the chemical industry] Mashinist kompressornykh i nasosnykh ustanovok khimicheskoi promyshlennosti. Izd. 2., Ispr. Moskva, Vysshaya shkola, 1965. 386 p.

## CHEMICAL ENGINEERING—ELECTRIC EQUIPMENT

Concerning the choice of certain types of equipment for explosion hazardous departments, with consideration of the characteristics of the surrounding medium. I. I. Rakavich. Prom. energ. 16 no 1:61-62 JI '61

## CHEMICAL EQUILIBRIUM

Equilibrium in dissociation reactions of alkane molecules into radicals. V. A. Ustskil. Neftokhimiya 3 no 5:650-654 S-O '63

Equilibrium in the system boron phosphide - iodine. I. A. Kh. Ginzburg, N. P. Luchina, Z. S. Medvedeva. Izv. AN SSSR Neorg. mat. 2 no 12 2130-2133 D '66

## CHEMICAL EQUILIBRIUM—THERMODYNAMICS

Thermodynamics of equilibrium of fayalite  $\text{Fe}_2\text{SiO}_4$  with hydrogen. L. D. Balaban, R. D. Shapovalova. Zhur. fiz. khim. 40 no 11:2905-2907 N '66

## CHEMICAL INDUSTRIES

Conference on the automation of the production of synthetic rubber and synthetic alcohol. G. A. Markovich. Kauc. i rez. 21 no 6:59-59 Je '63

Cooperation of member countries of the Mutual Economic Assistance Council in the development of chemical industry. N. P. T. Ho., M. I. Gubiat. Khim. prom. 42 no 12:861-866 D '66

Economy in each workshop. Khim. prom. Ukr. no 6:61 N-D '66

Fourth Plenum of Central Committee of our Trade Union. A. Babalan. Neftanik 11 no 11:17-18 N '66

Regularities of the rates of branch development. E. Savinskii. Vop. ekon. no 12:20-10 D '66

Role of chemistry in agriculture. Khim. prom. [Ukr.] no 3:3-1 JI-S '62

## CHEMICAL INDUSTRIES—FINANCE see subdivision under Dank'y (Lipetsk Province)

## CHEMICAL INDUSTRIES—LABOR PRODUCTIVITY

"Chemization" and labor productivity. I. A. Mashinski. Khim. prom. 42 no 12:932-933 D '66

## CHEMICAL INDUSTRIES—MATHEMATICAL MODELS see subdivision under Germany, East

## CHEMICAL INDUSTRIES—STATISTICS see subdivision under Moscow Economic Region

## CHEMICAL PLANTS

(see also subdivision under Sakl, Ukraine)

Anticorrosive coatings in the chemical industry. I. I. Markov, E. A. Protosavitskaya. Mont. i spets. rab. v stroi. 25 no 10:13-14 O '63

Purification of waste water from ethylbenzene plants. D. I. Iurko, N. A. Palahala. Khim. prom. [Ukr.] no 3:18-19 JI-S '62

## CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Klitiny Mountains; Klingsopp, Leningrad Province; Novgorod region; Omsk; Stalitsamak)

Advanced assemblies on the building sites of the chemical industry. Mont. i spets. rab. v stroi. 23 no 10: 1-3 O '63

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## CHEMOTHERAPY

Chemotherapy of Brodiaea (tumor by means of the perfusion method). V. S. Moisevich, V. M. Ponomarev. Vop. onk. 12 no 12 63-69 '65

Effectiveness of thoracoplasty in association with antitubercular preparations in the treatment of cavernous forms of tuberculosis of the lungs. A. D. Kuznetsov. Vopr. med. zhur. 10 no 2 30-43 '64

Further study of chemotherapeutic action on Acanthamoeba during their migratory stage. S. A. Rabinovich. Med. preaz. i paraz. bol. 32 no 2 112-119 '64

Our experience in chemotherapy of pulmonary cancer. A. P. Dotsenko. Klin. onk. no 117 121 '65

## CHERDYN' DISTRICT—BIBLIOGRAPHY—RARE BOOKS

Northern Ural medical expedition in 1959. V. V. Kuskov. Trudy ONRL 18:132-133 '62

## CHERDYN' DISTRICT—MANUSCRIPTS

Northern Ural medical expedition in 1959. V. V. Kuskov. Trudy ONRL 18:132-133 '62

## CHERPOVETS (VOLOGDA PROVINCE)—BLAST FURNACES—EQUIPMENT AND SUPPLIES

Studying reduction processes in stacks of blast furnaces operating with mixed blowing. L. A. Blazhko, A. P. Kotov. Stal. 36 no 12 1075-1081 D '66

## CHERPOVETS (VOLOGDA PROVINCE)—CITY PLANNING

The metallurgists' city: plan for the prospective development of Cherepovets. B. I. Shtenskiy, A. I. Tarantuk. Stroitel'stvo Len. 25 no 9:18-21 S '63

## CHERPOVETS (VOLOGDA PROVINCE)—HISTORY

Blazhko, A. S., and A. V. Kalanikov. Cherepovets. Ed. 2, peier. i dop. [Vologda] Severo-Zapadnye knizhnoe izd-vo, 1966. 106 p.

## CHERPOVETS (VOLOGDA PROVINCE)—ROLLING MILLS—DESIGN AND CONSTRUCTION

Assembling the elements of a cold rolling mill in the Cherepovets Metallurgical Plant. B. P. Shtenskiy, V. M. Afanasyev. Mont. i spets. rab. v stol. 25 no 9:7-12 S '63

## CHERPOVETS (VOLOGDA PROVINCE)—STEEL INDUSTRY

Struggling for profitable production. G. Akimov. Part. zhizn' no 1:72-74 Ja '67

## CHEREVICHNIK, LEONID, 1937-

I could Cherevichnik's first book "Microphantasy." V. Drobyshev. V. miru imig. 6 no 11:71 N '66

## CHENKASOV, NIKOLAI KONSTANTINOVICH, 1903-

Three years with Molokovskii's characters. Nikolai Cherkasov. Teatr. 21 no 7:17-18 Ji '63

## CHERNASSY PROVINCE—CONTAINERS

Container economy becomes profitable. I. Volk. Sov. pozh. koop. 10 no 12:11-16 D '66

## CHERNASSY PROVINCE—VETERINARY MEDICINE

On anniversary watch. L. Z. Tsyhenko. Veterinarika 43 no 11:1 N '66

Socialist obligation. Veterinarika 43 no 11:5 N '66

## CHERNIAEV, IL'IA IL'ICH, 1863-1906

I. I. Cherniaev; obituary. Vest. AN SSSR 36 no 12:61 D '66

Il'ia Il'ich Cherniaev; obituary. Zhurn. VKN II no 6:692-693 '66

## CHERNIGOV—TEACHERS, TRAINING OF

A conference devoted to the 50th anniversary of the Chernigov Pedagogical Institute. I. Z. Onyshchenko, L. I. Nedilla. Ukr. ist. zhurn. 10 no 11:60 N '66

## CHERNIGOV PROVINCE—HODGKIN'S DISEASE

Results of combined treatment of lymphogranulomatosis; based on materials of Chernigov Province Oncological Dispensary. M. S. Karachunskii. Klin. onk. no 1:125-128 '65

## CHERNOGORY—PLANTAIN

Successful introduction of the plantain Plantago alpina L. into the alpine area of the Carpathians. K. A. Malynovskiy. Ukr. bot. zhurn. 20 no 1:89-92 '63

## CHERNOVTSY PROVINCE see Bukovina

## CHERNOZEM SOILS

(see also subdivision under Siberia, Eastern)

Methodology for determining exchangeable potassium in noncarbonaceous Chernozem soils. I. N. Zhukov, L. N. Mischenko, L. F. Kuznetsova. Khim. v sel. khoz. 4 no 12:50-61 D '66

## CHERNYSHEV, SERGEI EGOROVICH, 1881-1903

Sergei Egorovich Chernyshev; obituary. Arhiv. SSSR no 6:63 '65

## CHERNYSHEVSKII, NIKOLAI GAVRILOVICH, 1828-1859

N. G. Chernyshevskii on the international relations of the U.S.A. and the plans of each belligerent party during the Civil War, 1861-1863. I. I. Liugushenko. Izh. zap. Mold. gos. univ. no 51:91-112 pt 1 '65

## CHERNYYE ZEMLI—GROUND SQUIRRELS—EXTERMINATION

Some problems of squirrel control with baits in the Chernyye Zemli. I. Z. Kharchenko and others. Trudy Gos. nauch. assl. protivokh. inst. 16:269-280 '59

## CHERRY

Chemical characteristics of the fruit of various sour cherry species. S. I. Ivchenko, V. P. Petrova. Biol. Glav. bot. sada. no 63:94-95 '66

## CHESS

Gorgiev, T. B., and V. F. Rudenko. [The besieging of the black king]. Osada chernogo korolia. Dnepropetrovsk, Dnepropetrovskoe knizhnoe izd-vo, 1960. 131 p. (OCI)

## CHEST—SURGERY

Uglov, F. G., V. P. Pugacheva, and A. M. Iakovleva. [Complications in lithiatic operations]. Oshchizhka pri kamnolichnykh operatsiyakh. [Leningrad] Meditsina, 1966. 442 p. (DNLM)

## CHEUV, ALEKSEI VASIL'EVICH

Contemporary of the Revolution. V. D. Chernobitsky. Sudostroenie 56 no 11:67-69 '66

## CHICKEN CHOLERA—PREVENTIVE INOCULATION

Effect of feed tetracycline and streptomycin 2377 on the immunity in the case of Newcastle disease and pasteurization of chickens. P. N. Koturakov. Veterinarika 13 no 12:18-20 D '66

## CHICKEN POX

Laboratory diagnosis of chicken pox. I. B. Gutsyuk. Trudy Mosk. nauch. -issl. inst. virus. prep. no 3:51-61 '65

## CHICKEN POX—MICROBIOLOGY

Study of interferon activity in chick fibroblasts-chicken pox virus system of various molecular weights of its action. I. V. Chernitskov. Vopr. virus. 11 no 5:525-532 S-O '66

## CHILD STUDY

Acceleration and some problems of childhood and adolescence. H. S. Lur'ya. Sov. pedagog. 10 no 6:173-183 Ja '66

The art of understanding. I. Kichina. Sem'ia i shkola 21 no 11:15-18 N '66

Boys' diaries. R. Granina. Nar. obr. no 12:17-60 D '66

The collective and personality. V. Malinik. Sov. pedagog. 30 no 12:146-149 D '65

Formation of still while solving specific practical and educational problems. I. V. Borshch. Vop. psikh. 12 no 4:111-112 N-D '66

Game and its role in the psychic development of the child. L. S. Vygot'skiy. Vop. psikh. 12 no 6:62-76 N-D '66

Juvenile. A. Zakharova, M. Bogdanova. Sem'ia i shkola 21 no 12:14-15 D '66

Novosibirskiy pedagogicheskiy institut. [Problems of psychology]. Voprosy psikhologii. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 119 p.

Perception of the depleted posture of a moving man by a child. E. Sh. Reshko. Vop. psikh. 12 no 6:153-153 N-D '66

Principles and means of studying the intellectual development of younger schoolchildren. A. A. Lyubimskaya. Sov. pedagog. 30 no 9:93-103 Ja '66

Problems of sensory development. E. Starinina. Doshk. vosp. 39 no 12:46-49 D '65

Some typologically specified characteristics of the individual style of learning activity in upper classroom. A. K. Balmirev. Vop. psikh. 13 no 6:128-140 N-D '66

## CHILDREN see subdivision under Yugoslavia

## CHILDREN—ANECDOTES AND SAYINGS

Observations, notes, and remarks. L. Piskunova and others. Doshk. vosp. 39 no 12:52-53 D '66

## CHILDREN—CARE AND HYGIENE

Amros, Marija. [Education of children through the eyes of a doctor]. Lekatskaya tsest' arsti pilgusa. 2. parandatud ja laendatud trukk. Tallinn, Valgus, 1966. 217 p. [In Estonian] (DNLM)

## CHILDREN—DISEASES

(see also subdivision under Smolensk)

Clinical aspects of rheumatic fever in children of pre-school age. A. R. Abdullayev. Vopr. med. zhur. 40 no 9:36-43 S '63

Content of nucleic acids in the blood of children with blood diseases. M. G. Grudova, N. I. Shokina. Vest. AMN SSSR 17 no 10:52-59 '62

Data on the state of the heart in children born of women with heart defects. I. S. Tsybul'skaya and others. Sov. med. 29 no 12:7-11 D '66

Influenza and influenza-like virus diseases in children. V. D. Soboleva. Vest. AMN SSSR 17 no 10:76-88 '62

Role of modified reactivity in the pathogenesis of collagen diseases in children. I. U. P. Durnbova. Vest. AMN SSSR 17 no 10:26-32 '62

Role of the reactivity of the organism in the development and characteristics of the course of chronic infections in children. R. A. Kolluzhina. Vest. AMN SSSR 17 no 10:59-67 '62

Spreading of respiratory viruses among children in 1958-1959. V. V. Rukova, V. M. Zhidakov. I. I. Khristiny. Vop. med. 11 no 5:531-538 S-O '66

## CHILDREN—EXHIBITIONS

Children show their drawings to adults. B. O. Vain. Onk. no 12:77 D '66

## CHILDREN—LANGUAGE

Ladetsko, V. I. [Development of speech in children from 3-5 years, for formation of sentences in children's speech]. Razvitiye rechi detei ot trekh do pyati let, obozrovaniye priedozhneniy v rechi detei. Moskva, Prosveshcheniye, 1966. 91 p.

## CHILDREN—LAW

Controversial problems of liability for injuries to the minor's health. I. Maltanov. Sois. zakon. no 11:19-16 N '66

Position of the legal representatives of accused or injured minors in judicial proceedings. S. Gromkov. Sois. zakon. no 11:67 N '66

## CHILDREN—MANAGEMENT

Answering our readers' questions. Doshk. vosp. 39 no 12:30-31 D '66

Children and works: a review of letters discussing the article "I love my necessity?" Sem'ia i shkola 21 no 11:12-13 N '66

Consultation center of "Sem'ia i shkola." Sem'ia i shkola 21 no 12:16 D '66

Consultation center of the "Sem'ia i shkola." Sem'ia i shkola 21 no 11:22-23 N '66

Do not make light of children's egoism. V. Korotkova. Sem'ia i shkola 21 no 12:18-19 D '66

From conviction to action. B. Ikharchev. Sem'ia i shkola 21 no 11:29-30 N '66

From the simple to the complicated one. A. Pogodov. Sois. obrat. 11 no 12:31-32 D '66

Half an hour in the morning. M. Panch. Sem'ia i shkola 21 no 11:9-11 N '66

Letters on various subjects. N. I. Pichkina, G. Gromkova, M. Miruk. Sem'ia i shkola 21 no 11:10 N '66

My son grows. F. Podgornaya. Sem'ia i shkola 21 no 12:16 D '66

Tsentsiper, M. B. [You may not be a poet...]. Poetom mozhesh' ne byt'. Moskva, Znaniye, 1966. 79 p. (Narodnyi universitet. Pedagogicheskiy fakul'tet, no. 11)

We ourselves are at fault. R. Finkel'shteyn. Doshk. vosp. 39 no 12:16-19 D '66

You don't know how to do it. M. Goncharova. Doshk. vosp. 39 no 12:31 D '66

## CHILDREN—MEDICAL EXAMINATIONS

Outbreak of acute intestinal disease caused by Escherichia coli of the O15 serotype. I. N. Kulikova, I. I. Vaisman, M. I. Kavalechik. Zhurn. mikrobiol. i epiz. immunit. 37 no 6:69-73 Ja '62

## CHILDREN—NUTRITION

Fish in the children's diet. V. V. Vetrashko. Doshk. vosp. 39 no 12:57-61 D '66

Kiseleva, V. B. [Cookery for children; book for mothers on food preparation for children]. Detskaya kuchnia; kniga dlia materoi o prigotovlenii pishchi detyam. Izd. 5., dop. Moskva, Meditsina, 1966. 174 p. (Nuchno-populyarnaya meditsinskaya literatura)

## CHILDREN—RESEARCH

Comparison of the conditions of system formation in various functional states of the nervous activity in the child. M. M. Koltsova. Zhurn. vys. nauch. deiat. 13 no 4:626-630 Ji-Ag '63

Conditions necessary for system formation in various functional states of nervous activity in the child. E. N. Doglar. Zhurn. vys. nauch. deiat. 13 no 4:631-637 Ji-Ag '63

## CHILDREN—SURGERY

For the children. L. Vostokhinikova. Sois. obrat. 41 no 12:10-12 D '66

Ukrainskaya nauchno-prakticheskaya konferentsiya khirurgov detskogo vozrasta. 2d. [Surgery, traumatology and orthopedics in childhood, transactions]. Khirurgiya, travmatologiya i ortopediya detskogo vozrasta, trudy. Kiev, Zdrorova, 1966. 272 p. (DNLM)

## CHILDREN—WRITING

Role of drawing in the kindergarten in the preparation of the child's hand for writing. T. S. Komarova. Vop. psikh. 12 no 6:161-171 N-D '66

## CHILDREN'S CLUBS

The "Young Scientists" club. *IU Vokhna* 19 abr no 12 69-70 D '66

## CHILDREN'S LIBRARIES see Libraries, Children's

## CHILDREN'S LITERATURE—HISTORY AND CRITICISM

If a book is good as a children's book. *IU Vokhna* 19 abr no 12 24-29 D '66  
Yot grom up to 1000. *IU Sprashts*. V mite knig o no 11-26-37 '66

## CHILDREN'S PLAYS

Gozenpud, A. N. [The Central Children's Theater, 1936-1961. Author's abstract of a dissertation for the degree of Candidate of the History of Arts] *Tsentral'nyi deiskui teatr* (1936-1961 gg.), Avlorefrugal ditsiatil na soiskanie uchelnoi stepeni i kandidata iskusstvovedeniia Moskva, 1965 17 p.

### [MICROFILM]

Shapiro, Z. S. [Discussions of a producer; school amateur theatricals] *Besedy tezhissera, shkol'nyi samodelatel'nyi teatr* Moskva, Prosveshchenie, 1966 126 p

## CHILDREN'S QUESTIONS AND ANSWERS

Answering the questions of the young ones. *N 'Nikandrov dushk'osp* 29 no 12 68-69 D '66

## CHILDREN'S SONGS

Songs for children. *Dushk'osp* 39 no 12 118-119 D '66

## CHILDREN'S STORIES

A tiger with a "golden heart" *Czeslaw Janeczarski*. *Dushk'osp* 39 no 12 106-107 D '66  
Who is called "Sharik"? *Mari Tartakovskii*. *Dushk'osp* 39 no 12 102-105 D '66

## CHIMNEYS

Architecture of ship smokestacks. *V. S. Biliuk Sudostroenie* 28 no 12 8-11 D '62

Assembling 60 meter-high pipes of large heat-resistant blocks. *A. P. Denisenko Mont i spets. rab. stroi* 28 no 12 13-14 D '66

Problem of lengthening life of reinforced concrete smokestacks. *B. D. Trinkei Prom stroi* 44 no 11 37-39 '66

Using heat-resistant perlite-concrete in the construction of a smokestack. *M. F. Surharev, I. L. Malzel. Mont i spets. rab. v stroi* 25 no 9 24-26 S '63

## CHINA—GEOGRAPHY—BIBLIOGRAPHY

Literature on the geography and cartography of the Chinese People's Republic. *I. A. Krylova. Mat. Otd. mat. geog. i kart. Geog. obshch. SSSR* no 2 105-106 '63

## CHINA—LAND TENURE

Svistunova, N. P. [Agrarian policy of the Ming government in the second half of the 14th century] *Agrarnaia politika Mingskogo pravitsel'stva vo второй polovine XIV v.* Moskva, Nauka, 1966, 166 p.

## CHINA—MAN, PREHISTORIC

Paleoanthropology develops more rapidly in China, impressions of a participant in a conference dedicated to the 30th anniversary of the discovery of the first Sinanthropus skull. *Pei Wen-chung Voprosy* no 4 140-143 '69

## CHINA—POLITICS AND GOVERNMENT

The "Hung Wei pin" and who is in command. *L. Sergeev Agitator* 34 no 24:51-53 D '65

What is the meaning of the "new positions" in China. *I. Sergeev, Agitator* 34 no 14:47-49 Ja '67,  
The world press on China. *Nov. vsem.* 25 no 8:3-4 F '67

## CHINA—SOCIAL CONDITIONS

Glorious anniversary. *V. Mikhayev Agitator* no 16 16-18 S '62

## CHINA—RADIO ANNOUNCING

The word of an announcer. *IU. Bakiaev, Sov. radio i tel.* 8 no 3:37-38 '59

## CHINA PROVINCE—CORN (MAIZE)

We shall always try to improve the achieved results. *A. Lisichnikov, Mol. korm.* no 11 14-16 N '61

## CHINA PROVINCE—PIONEERS (COMMUNIST YOUTH)

Example of the schools of Shikha District. *S. Rodovskii Voen. ist. zhur* 8 no 12 103-105 D '66

## CHKALOV PROVINCE see Orenburg Province

## CHLORAL

Anionic copolymerization of phenyl isocyanate with chloral. *IU. P. Getmanchuk, IU. L. Spirin, R. I. Driagileva Dokl. AN SSSR* 171 no 5 1103-1108 D '66

Shifts in macrostructure of blood proteins following functional changes in central nervous system induced by chloral hydrate. *A. F. Makarchenko and others Dokl. AN SSSR* 171 no 2 498-500 N '66

## CHLORATES

Formation of chlorates in electrochemical process of preparation. Part 1. *V. A. Shitapnikov, T. S. Filippov, Elektrokhiimiia* 2 no 11:1273-1281 N '66

## CHLORIDES

Absorption spectra and stability of complexes formed in the interaction of thiophene analogs of chalcone with iron chloride and antimony pentachloride. *V. A. Tolma-chov, O. I. Bobkov, V. F. Lavrushin. Dop. AN URSR* no 11:1454-1457 '66

Photochemical reaction in the system  $\text{FeCl}_2 - \text{HgCl}_2$ . *V. A. Nosonovich, L. I. Driagun, B. I. A. Dain, Ukr. khim. zhur* 32 no 12 1280-1284 '66

Synthesis of N, N-dimethyl-substituted amides by the interaction of acyl chlorides with dimethylacetamide. *V. F. Kulikova, D. N. Zilberman, F. V. Lkstin. Zhur. VkhO* 11 no 6 704-705 '66

## CHLORIDES—PHYSIOLOGICAL EFFECT

Effect of reciprocal changes in the concentration of potassium and chloride ions on the magnitude of resting potentials in isolated skeletal muscle fibers of the frog *Lian Zy-tsum* [Liang Ze-tsun], *G. A. Kneella. Biotizika* 6 no 5 597-605 '63

## CHLORINATION

Chlorination of trinitrochlorobenzene concentrates under laboratory conditions. *V. M. Kostikhan. Min. syt'e* no 13:57-62 '66

Role of solid carbon in process of chlorination of oxides. *L. V. Zverev, Z. S. Barakova. Min. syt'e* no 13:42-55 '66

Solid-phase chlorination of polypyrrole by ionizing radiation. *R. V. Dzhegal'spanlan and others. Vysokom. soed.* 8 no 10:1715-1753 O '66

## CHLORINE

Study of the process of the oxidation of the iodine ion by chlorine and hypochlorite in salt solutions. *G. R. Zalkind, S. I. Lavrovskii. Izv. AN Turk. SSR, fiz.-tekhn. khim. i geol. nauk* no 5 40-15 '62

## CHLORINE ORGANIC COMPOUNDS see Organochlorine compounds

## CHLORITES

(see also subdivision under Azov Sea region; Tarkhanuk Peninsula)

Effect of epizoots and chlorite schists as fertilizers on farm crops. *O. A. Komint. Pochv. ust. i efek. udob.* no 1:115-155 '63

## CHLOROFORM—PHYSIOLOGICAL EFFECT

Resistance of white mice to inhalation anesthetics in different periods of postnatal development. *V. M. Itozhkov. Trudy LPMI* no 37 136-138 '65

## CHLOROGENIC ACID

Ratio between contents of caffeic and chlorogenic acids as an index of potato tuber resistance to Phytophthora infestans. *V. E. Sokolova, Prikl. biokhim. i mikrobiol.* 2 no 6 671-681 N-D '66

## CHLOROPHOS

Kinetics of chlorophos decomposition in neutral and alkaline aqueous solutions. *B. N. Rybakov, V. P. Timshelkin. Zhur. fiz. khim.* 40 no 11 2753-2756 N '65

Unforced feeding of weak solutions of chlorophos in controlling the warble fly infestation of cattle. *Report No. 2, G. I. Getta. Shoi. nauch. rab. SIBNIPI* no 11 189-190 '62

Use of chlorophos in fly control. *D. E. Genia. Med. paraz. i paraz. bol.* 31 no 5:620-622 S-O '62

## CHLOROPHYLL

Characteristics of chlorophyll biosynthesis in certain plants. *O. I. Sudina, K. P. Dovbyski, Ukr. bot. zhur.* 20 no 1 37-45 '63

Correlation between the intensity of light and the value of the ratio of chlorophyll a/b in woody plants. *V. S. Vahula. Dokl. AN BSSR* 6 no 9 589-591 S '62

Formation of chlorophyll by purple and green bacteria during their photoautotrophic and photoheterotrophic development. *L. V. Moshonina, E. N. Kondrat'eva, Mikrobiologiya* 31 no 2:190-202 Mr-Apr '62

Observations on content of chlorophyll *a* in season of surface layer of seaweeds. *R. Z. Kovnolevskan, A. P. Oslapenia. Okeanologiya* 6 no 5:849-852 '66

Participation of vitamin B<sub>12</sub> in chlorophyll biosynthesis. *T. N. Godnev, E. F. Shabel'skaya, Dokl. AN SSSR* 171 no 5:1227-1229 D '66

Photooxidation of chlorophyll *a* with formation of electroactive oxidized pigment form. *V. B. Evstigneev, V. A. Gavrilova, N. A. Sedovinkova. Biokhimiia* 31 no 6:1220-1236 N-D '66

Study of triazine derivatives as plant growth regulators. *Report No. 2. Effect of simazine and alarazine on the chlorophyll content in the leaves of field crops. S. M. Mashtakov, R. A. Prokhorehik. Dokl. AN BSSR* 6 no 8:517-520 Ag '62

## CHLOROPHYLL—SPECTRA

Spectral and photochemical characteristics of protochlorophyll pigments in model systems. *A. A. Kraenovskii, M. I. Bystrova. Biokhimiia* 27 no 5:958-966 S-O '62

Study of photosynthetic pigment systems by emission and excitation spectra of chemiluminescence of chlorophyll in higher plants. *I. F. Litvin, V. A. Shumovlov. Biokhimiia* 31 no 6:1264-1275 N-D '66

## CHLOROPRENE

Effect of nature of solvent on intrinsic viscosity and size of polychloroprene macromolecules. *A. V. Gevorkian, R. V. Bidaeva, I. G. Melkonian. Izv. AN Arm. SSR. Fiz.* 1 no 2:75-80 '66

## CHLOROPRENE, EFFECT OF TEMPERATURE ON

Temperature dependence of intrinsic viscosity of polychloroprene in poor and good solvents. *A. V. Gevorkian. Izv. AN Arm. SSR. Fiz.* 1 no 3:105-109 '66

Temperature dependence of size of polychloroprene molecules in solution. *A. V. Gevorkian, R. V. Bidaeva, I. G. Melkonian. Izv. AN Arm. SSR. Fiz.* 1 no 2:81-84 '66

## CHLORPROMAZINE

Analysis of repeated administrations of patients with schizophrenia following amniotic treatment. *G. V. Monastirskii, I. P. Popov. Zhur. nov. i pribl.* 63 no 1:110-123 '61

Changes in the electrotype of respiratory conditioned response and respiratory reactions to the action of CCl<sub>4</sub> following the administration of amiazine. *IU. N. K. G. R. I. Semerko. Zhur. vyz. nov. detsl.* 13 no 4:680-685 Ji-Ag '63

Comparative effectiveness of the treatment of schizophrenia with amiazine and its combination with insulin. *N. V. Vinogradov, N. K. Tkachenko. Zhur. nov. i pribl.* 63 no 1:112-113 '63

Possibility of the combined use of insulin and amiazine for the treatment of schizophrenic patients. *Report No. 1, V. P. Kutin. Zhur. nov. i pribl.* 63 no 1:111-112 '61

Preventive action of amiazine and diphenyl in experimental neurogenic shock. *L. V. Kuzminskii, I. P. Dobrokhotova. Pat. fiziol. i eksp. ter. ap.* no 3:81-82 '61

Some combined methods for treating schizophrenia resistant to amiazine. *V. F. Baranov, R. D. Kungur, P. A. Khokov. Zhur. nov. i pribl.* 67 no 1:145-110 '67

Sympathetic nature of "spontaneous" impulses recorded in the common nerve trunk of the frog. *M. V. Kizova, T. V. Kopytova. Biol. eksp. bidl. i med.* 55 no 5 5-8 My '63

## CHLORPROMAZINE—PHYSIOLOGICAL EFFECT

Effect of the cerebral cortex on the rostral segment of the reticular formation of the brain stem. *A. M. Mavlet. Fiziol. zhur.* 48 no 10:1116-1153 O '62

Possible point of application of the inhibitory effect of amiazine on cholinergic cells. *G. I. Murov. Voprosy khim.* 12 no 6:611-613 N-D '66

Selective ascending activation of the anterior segments of the cerebral cortex as a functional basis of alimentary reflexes. *R. V. Sudukov, I. V. Uteyev. Fiziol. zhur.* 18 no 10:1170-1177 O '62

## CHLORPROMAZINE—THERAPEUTIC USE

Effect of single therapeutic doses of amiazine on cerebral blood circulation in schizophrenic patients according to rheoencephalographic data. *L. A. Nevskaya, IU. N. Fedorovskii. Zhur. nov. i pribl.* 67 no 1:123-125 '67

## CHLORPROMAZINE—TOXICOLOGY

Dependence of the reaction of the developing organism to amiazine on an endocrine level. *I. V. Matusova. Probl. endok. i gorm.* 9 no 1:1-7 Ja-F '63

## CHLORTETRACYCLINE

Effect of amino acids on the biosynthesis of chlortetracycline. *L. A. Zelnik, L. Kovachukova, M. Gukht, Mikrobiologiya* 31 no 5 816-818 S-O '62

Effect of ethylenimine, ultraviolet rays, and of the combined effect of these factors on the stability of Actinomycetes auxotrophs. *Texturization based on the synthesis of chlortetracycline and vitamin B<sub>12</sub>*. *N. B. Romanova, S. I. Alkhimian. Antibiotiki* 11 no 11: 904-987 N '60

For a more efficient utilization of liquid biotransformation of hogs with allilago. *M. F. Onisimov. Spiri. prom.* 20 no 5:25-26 '62

Reckoning fermentation in the production of biotransformation. *M. M. Tokmakova. Spiri. prom.* 28 no 5:134 '62

Study of biosynthesis products from a mutant of Actinomycetes auxotrophs 1515. *V. G. Minkavich and others. Antibiotiki* 11 no 11:980-984 N '66

## CHOLERA, ASIATIC

Zhukov-Yerzhanukov, N. N., J. K. Musabov, and N. K. Zafirova. [Clinical aspects, treatment and prevention of cholera] *Klinika, lechenie i profilaktika kholyery. Tashkent, Meditsina*, 1966, 435 p. (DNLM)

## CHOLESTEROL

Content of cholesterol and lecithin in the blood in diabetes mellitus. *N. B. Gumbatov. Azerb. mod. zhur.* 40 no 1: 59-64 Ap '63

Content of cholesterol and lecithin in the blood in thyrotoxic goiter. *IU. M. Mikhailov. Probl. endok. i gorm.* 9 no 1:62-66 Ja-F '63

Effect of brief and prolonged hypohalamic stimulation on free and bound blood cholesterol. *IU. N. Baidukhov, L. Kh. Gorkavi. Biol. eksp. bidl. i med.* 55 no 6:81-83 Ja '63

- CHOLESTEROL METABOLISM**  
Biosynthesis of cholesterol and fatty acids from 2-C<sup>14</sup>-acetate in various organs and tissues in rats. V. F. Matelova, V. A. Tatarskiy. Vop med khim. 12 no 6:646-647 N-D '66
- Importance of the hypophysis in the reaction of the acceleration of cholesterol synthesis in response to irradiation. K. A. Trofimova. Biokhimiya 27 no 7:801-801 S-O '62.
- CHOLINE**  
Changes in vital staining of sarcolemma in frog as affected by acetylcholine. T. A. Shapiro. Tsitologiya 8 no 5:669-672 S-O '66
- Effect of methylol on functional and morphological properties of the myofibril. R. S. Olov, V. N. Shvabe. Izv. AN SSSR, Ser. biol. no. 3:130-139 My-Je '63.
- CHOLINESTERASES**  
Antagonism in the effect of different concentrations of anticholinesterase. P. F. Dabkova. Trudy LPMI no 32:34-38 '65
- Effect of mercaptophos on conditioned reflexes and on the cholinesterase activity in rats. I. S. Kagan, Zhur. vys. nerv. delit. 12 no 3:530-539 My-Je '62.
- Effect of preservation on the pseudocholinesterase activity in donor's blood and its significance in the treatment of myoma. N. V. Pankov, A. G. Sokhova. Eksp. khim. i med. 6 no 6:68-69 N-D '63
- Electrometric determination of cholinesterase activity with automatic registration. V. I. Rozengart, V. G. Shirelova. I. G. Shcherbak. Biokhimiya 31 no 6:1111-1115 N-D '66
- CHOLINESTERASES—CLASSIFICATION**  
Attempt to differentiate the so-called anticholinesterase substances into subgroups. V. B. Pirozovskii. Trudy LPMI no 32:126-131 '65
- Biochemical aspects in classification of anticholinesterase substances. V. I. Rozengart. Trudy LPMI no 32:140-151 '65
- CHOLTOBE (KAZAKHISTAN)—ANTIQUITIES**  
The Choltoobe settlement in the northern foothills of the Kishit Altai. M. S. Merzhiev. Vest. AN Kazakh SSR 22 no 12:69-73 D '66.
- CHOPIN, FRYDERYK FRANCISZEK, 1810-1849**  
Sinslav, L. S. [Life of Chopin.] Zhizn' Shopena, Moskva, Muzyka, 1968, 146 p. (Shkol'naya biblioteka)
- CHOREA**  
Clinical aspects of rheumatic fever in children of preschool age. A. R. Abdullaev. Azerb. med. zhur. 10 no 4:36-43 S '63
- Experience in the use of neuroleptic substances in chronic progressive chorea (Huntington's chorea). Zhur. nov. i psikh. 63 no 1:96-102 '63
- CHRISTIAN LIFE—ORTHODOX EASTERN AUTHORS**  
[In] I. A. [The way of spiritual renewal] Put' dukhovnogo obnoveniya. [2. izd.] Munich, 1962, 288 p. (CU)
- CHRISTIAN SCIENCE**  
Eddy, Mary (Baker). [Science and health with a key to the Holy Scriptures.] Nauka i zdorov'e. Khimicheskaya i fiziologicheskaya Pisanila, Boston, Dushpepikazhichki Mest. Baki, P. Eddy [1961] 697 p. [in English and Russian] (NN)
- CHRISTIAN SOCIOLOGY** see Sociology, Christian
- CHROMAFFIN SYSTEM**  
Classification of the clinical forms of chromaffinomas. V. V. Men'shikov. Trudy I-go MMI 43:113-118 '65.
- CHROMAFFIN SYSTEM—TUMORS**  
Significance of the determination of catecholamines in the urine for the diagnosis of pheochromocytoma. V. V. Men'shikov. Prikl. endok. i gorm. 9 no 1:90-95 Ja-F '63
- CHROMATIN**  
Sex chromatin in benign and malignant tumors of the breast and testicle. V. I. Lobod, K. P. Ganina. Klin. onk. no. 1:108-115 '65.
- CHROMATOGRAPHIC ANALYSIS**  
Chromatographic analysis of the industrial samples of domestic tautpentine. L. I. Baryshev, V. I. Kulikov, A. L. Paltavskii. Gidroliz. i tesokhim. prom. 19 no 8:16-17 '66
- Chromatographic methods for separation of zirconium and beryllium. T. A. Bellavakina, I. P. Almarin, M. P. Ping-wen. Vest. Mosk. un. Ser. 2: Khim. 17 no. 5:41-44 S-O '62.
- Chromatography of 3-ketosteroids in thin layer of sorbent. Report No. 2: Use of acid aluminum oxide. B. Kh. Nguen, A. A. Chemerisskaya. Zhur. anal. khim. 21 no. 11:1375-1379 '66.
- Identification of odorous substances. Report No. 1. S. A. Kore and others. Trudy VNISNDV no 7:141-145 '65.
- Identification of odorous substances. Report No. 2. S. A. Kore, R. P. Ivanova. Trudy VNISNDV no. 7:146-148 '65
- Identification of odorous substances. Report No. 3. S. A. Kore, F. I. Shepelinova, F. M. Chirnova. Trudy VNISNDV no. 7:149-151 '65
- Purification of gonadotropic hormone preparation by ion-exchange chromatography on diethylaminoethyl cellulose and zonal electrophoresis on starch. A. I. Alukina. Biokhimiya 27 no. 5:805-813 S-O '62.
- Separation of alkali metals on ion exchangers with close-packed structure. V. S. Soldatov, A. I. Pektovskaya, R. V. Matveevich. Dokl. AN SSSR 10 no 4:663-667 S '66
- Structural analysis of lecithin by thin-layer chromatography method. P. V. Dabkova. V. I. Volkova, I. D. Bergelev. Biokhimiya 31 no 6:1189-1198 N-D '66
- Studying the chemical composition of pyrolyzate phenols. H. K. Shaposhnikov, I. V. Kosukova. Gidroliz. i tesokhim. prom. 19 no 8:19-21 '66
- Thin-layer chromatographic analysis of steroids on microplates coated with silica gel. I. I. Zaitseva, I. D. Bergelev. Khim. prikl. sozd. no 5:321-325 '66
- Thin-layer chromatography in inorganic analysis. Report No. 1. Possibilities of inorganic thin-layer chromatography, survey. D. I. Kluchikov, M. P. Volynets, Zhur. anal. khim. 21 no 11:1318-1373 '66.
- Thin layer chromatography of organic peroxides. M. M. Buzanova, V. F. Stepanovskaya, V. L. Antonovskii. Zhur. anal. khim. 21 no 12:1491-1494 '66
- Thin layer chromatography of phenols. Report No. 1. Sensitive method for developing chromatograms. N. F. Egorova, A. U. Koltunovskaya. Zhur. anal. khim. 21 no 12:1504-1506 '66
- CHROMATOPHORES**  
Changes in polyphenoloxidase, peroxidase and HILL reaction activity of leaf chloroplasts following gamma irradiation. A. M. Kulsh, N. P. Korolev. Radiobiologiya 6 no 8:898-901 '66
- Effect of the Botrytis cinerea infection on some characteristics of cabbage protoplast cells and its structural components. V. A. Aksanova, R. V. Savchenko. Sel'khoz. biol. 1 no 6:868-877 '66.
- Formation of plastid apparatus in ontogeny of sugar beet leaves under natural conditions. T. N. Godnev, I. F. Shabel'skaya. Dokl. AN SSSR 10 no 12:987-990 D '66
- Photosynthesis and HILL reaction changes in various corn forms as affected by 2, 4-D and 2M-4X. S. M. Mashtakov, I. I. Ponomarev. Dokl. AN SSSR 10 no 9:411-414 S '66
- CHROMIC ACID**  
Mechanism of incomplete reduction of chromic acid. Z. A. Solov'eva. Elektrokhemiya 2 no. 11:1301-1306 N '66.
- CHROMITE**  
Certain characteristics of the morphology of ore bodies and ore textures of the Khabanyy chromite deposit. G. G. Kravchenko. Geol. iud. mestorozh. 8 no 6:53-65 N-D '66
- CHROMIUM**  
Automation of the purification of chromium-containing sewage. P. I. Avitskii, G. M. Barchenko, Vod., kan., gidr. st. no. 1:70-77 '66.
- CHROMIUM—ANALYSIS**  
Chemical-spectral method of determining metal impurities in pure chromium. P. V. Marchenko, I. N. Lugina. Ust. khim. zhur. 32 no 12:1313-1345 '66.
- CHROMIUM BORDS—ELECTRIC PROPERTIES**  
Physical properties of chromium boride phases. T. I. Serzhinskaya, B. A. Kovenskaya. Izv. AN SSSR, Neorg. mat. 2 no 12:2134-2138 D '66
- CHROMIUM BROMIDES**  
Crystallization of chromium tribromide. L. M. Beliaev, V. A. Likhovitskaya, V. D. Spitsvina. Izv. AN SSSR, Neorg. mat. 2 no 11:2074-2075 N '66.
- CHROMIUM CHLORIDES**  
Kinetics of aquation of some chromium chloride hydrates. N. F. Nechaeva, N. F. Zorich, D. P. Zosimovich. Ukr. khim. zhur. 32 no. 12:1273-1279 '66.
- CHROMIUM COMPOUNDS**  
Interaction of lanthanum polynuclear complexes of chromium (III) with the powder of polyimide AN 50/50. N. S. Iul'kina, N. N. Pavlov. Izv. vuz. ucheb. z. v. tekhn. leg. prom. no. 5:37-40 '66
- New technology for the production of trivalent chromium compounds. A. B. Fasman, V. D. Markov, D. V. Sokol'skii. Vest. AN Kazakh SSR 22 no. 12:39-41 D '66.
- CHROMIUM ISOTOPES**  
Use of radioactive chromium in the study of the adaptation of erythrocytes in transfused blood. G. A. Guseinov and others. Azerb. med. zhur. 40 no. 9:21-26 S '63.
- CHROMIUM-NICKEL STEEL—METALLURGY**  
Effect of rare-earth elements on structure and properties of KhN625M2B steel. D. I. Vishniakov, M. A. Bystrykova. Trudy MATI no. 66:33-38 '66.
- CHROMIUM-TITANIUM ALLOYS** see Titanium-chromium alloys
- CHROMOPROTEINS**  
Possible point of application of the inhibitory effect of aniline on chromoproteins. G. I. Meierov. Vop med. khim. 12 no 6:611-613 N-D '66.
- CHROMOSOME NUMBERS**  
Chromosome number variation in progeny of 70-chromosome amphidiploids. M. P. Tsarenko, I. U. K. Nikol'skii. Dokl. AN SSSR 10 no 10:809-812 O '66
- CHROMOSOMES**  
Change in the thermostability and frequency of chromosome alterations in yeast—as a result of the adaptation to high and low temperatures. I. A. Zakharov. Mikrobiologiya 31 no 5:853-856 S-O '62
- Mechanism of the origin of spontaneous and radiation-induced chromosome breakage in mammalian neuroblastoma cells. I. M. Bukavitsnikov. Radiobiologiya 6 no 6:859-874 '66.
- Study of the karyotype of a monolayer culture of a human stomach cancer. E. P. Uglumov, M. T. Tsoneva-Maneva. Bul. eksp. biol. i med. 55 no 5:93-96 My '63
- CHRONAXIA**  
Change in motor chronaxia and the functional state of the cardiovascular system in students during the examination period. Report No. 2. M. M. P'fendrade, T. A. Bagdasaryan. Azerb. med. zhur. no 7:19-25 D '62
- Electrodiagnosis of reflex conductivities. I. E. Tikhonnik. Travmatologiya no 1:168-172 '65
- CHRONOLOGY, HISTORICAL**  
Soviet historical studies devoted to Russian chronology. V. I. Buganov. Vop ist. 41 no 12:113-155 D '66
- CHRONOLOGY, HISTORICAL—BIBLIOGRAPHY** see Bibliography—Chronology, Historical
- CHU VALLEY—BUCKWHEAT**  
Buckwheat grown as a stubble crop in the Chu Valley. K. I. Aloschenko. Shor. trud. asp. i mol. nauch. sot. VIR no 2:117-121 '61
- CHU VALLEY—MILLET**  
Characteristics of the growth and development of millet as a stubble crop in the Chu Valley. K. I. Aloschenko. Shor. trud. asp. i mol. nauch. sot. VIR no 2:121-137 '61
- CHU VALLEY—SIEROZEM**  
Effect of corn growing on fertility of northern common sierozems in Chu Valley. O. A. Litova. Izv. kh. fil. Vses. obshch. pochr. no 2:83-88 '63
- CHU-ILI MOUNTAINS—VANADIUM**  
Vanadium-bearing sediments in the Chu-ili Mountains. A. A. Nedovizin. Izv. AN Kazakh SSR, Ser. geol. nauk no 6:100-102 '63
- CHUCHEV DISTRICT—BRUCELLOSIS IN CATTLE**  
Ridding cattle herds of brucellosis. I. S. Koshevskii, N. M. Mosolov. Veterinariya 13 no. 1:13-16 Ja '67.
- CHUKCHI NATIONAL AREA—ROCKS, IGNEOUS**  
Middle Paleozoic magmatic cycle of the Omolon Massif and the western part of the Chukchi folded system. G. K. Kiselevich. Trudy VGU 63:70-81 '65.
- CHUKCHI PENINSULA—PARASITES—ANERIFORMS**  
Plechinatrium, gen. nov., a new genus of Hymenolepididae from Anseriformes of Chukchi Peninsula. A. A. Spas'skii, N. M. Iurpalova. Paraz. zhiv. i rast. no. 1:101-112 '65.
- CHUKCHI PENINSULA—RADIOBROADCASTING**  
Cliches over the USSR. A. Bogomolov. Sov. radio i tel. 12 no. 5:22-23 My '63.
- CHUKCHI PENINSULA—TAPEWORMS**  
Plechinatrium, gen. nov., a new genus of Hymenolepididae from Anseriformes of Chukchi Peninsula. A. A. Spas'skii, N. M. Iurpalova. Paraz. zhiv. i rast. no. 1:104-112 '65.
- CHULAKTAU (KAZAKHISTAN)—PHOSPHATE MINES AND MINING**  
Use of oxidized recycle for flotation of carbonates from Chulaktau ores. D. I. Kagan, Sh. A. Makhmutov, V. A. Rykagov. Khim. prom. 12 no 12:913-915 D '66.
- CHULAKTAU REGION (KAZAKHISTAN)—WATER, UNDERGROUND**  
Underground waters of the Chulaktau deposit. M. T. Dzhamugulov. Izv. AN Kazakh SSR, Ser. geol. nauk no 8:81-87 '63
- CHULANOV, GABDULLA CHULANOVICH, 1807-1866**  
G. Ch. Chulanov, obituary. Vest. AN Kazakh SSR 22 no. 12:62-63 D '66
- CHULYM-YENISEY LOWLAND—GEOLOGY**  
Facies and paleogeographical conditions governing the formation of the Kya series in the southwestern part of the Chulym-Yenisey Lowland. L. A. Ivanova, N. N. Kuleshova. Geol. i geofiz. no 11:135-140 '63.



CHUMSALMON see subdivision under Sakhalin

## CHUMAKOV, M P

Biograficheskaya zapiska 8 no 1 527-528 31-1g '63

## CHUMYSH VALLEY—EROSION

Gully erosion and its natural decrease in the Baysa-Chumysh forest steppe V M Ostrikov Izv Akad. Nauk SSSR no 3 56-63 '63

## CHUNA VALLEY (IRKUTSK PROVINCE)—FOREST SOILS

Part of soils of the Chuna-Vukhtova interfluvium L V Popov Izv Vost.-Sib. otd. Geom. obshch. SSSR 60 3-21 '62

## CHURAKOV, SERGEI SERGEEVICH, 1908-1964

S. A. Churakov, an obituary Sov. Arkhiv. 19 no 1 234-236 '66

## CHURCH AND STATE

Eshliman, Nikolai. [Open letter from priests Nikolai Eshliman and Gleb Iakunin to His Holiness Alexis, Patriarch of Moscow and All Russia] Ego Sviateishstvo, sviateishennii Patriarkh Moskovskomu i Vseia Rusi Aleksii, sviateishennii Nikolai Eshliman i Gleb Iakunin okrytoe pismo. New York, Predstavitel'stvo Rossiiskikh Emigrantov v Amerike [1966] 59 p.  
(DS)

## CHURCH ARCHITECTURE

Pod'ignolskii, S. S. [Guide to the architectural monuments of the Kirillo-Belezovskii and Forapontov Monasteries] Putevoditel' po arkhitekturnym pamiatnikam Kirillo-Belezovskogo i Forapontova monasterei. [Vologda] Severo-Zapadnoe knizhnoe izd-vo, 1966, 63 p.  
(MH)

## CHURCH LIBRARIES see Libraries, Church

## CHURCH SLAVIC LANGUAGE—GLOSSARIES, VOCABULARIES

The project of preparing a vocabulary of the Church Slavonic language P V Mares Vop. iaz. 15 no 5 86-99 5-O '66  
Vocabulary of the Croatian-Glagolitic version of the Common Slavic liturgy (Church Slavonic) language A Nazor Vop. iaz. 15 no 5 99-105 5-O '66  
Work on the collection of material for compiling a dictionary of the bookish Slavic language of the Russian version G. Mikhlin Vop. iaz. 15 no 5 107-109 5-O '66

## CHURCH SLAVIC LANGUAGE—VOCABULARY

Relation of the vocabulary of the Church Slavonic language to the vocabularies of the separate Slavic languages L. Moszynski Vop. iaz. 15 no 5 81-85 5-O '66

## CHUSOVAYA VALLEY—BAUXITE

Devonian karst bauxites in Chusovaya Valley G. A. Maksimovich, N. P. Chirvinskii, B. L. Chuvashov Nauch. trudy Perm. politekh. inst. no 12(10)-113 pt 1 '62

## CHUSOVAYA VALLEY—GEOLOGY

Kyn-Chusovaya highland and its development in Carboniferous O. A. Shcherbakov Nauch. trudy Perm. politekh. inst. no 12(10)-113 pt 1 '62

## CHUSOVAYA VALLEY—RUNOFF

Chemical streamflow of Chusovaya basin G. G. Zhidkova Nauch. trudy Perm. politekh. inst. no 12 47-59 pt 1 '62

## CHUVASH DRAMA—HISTORY AND CRITICISM

Markov, B. S. [Birth of the musical theater of Chuvashia] Rozhdeniye muzykal'nogo teatra Chuvashii, Cheboksary [Chuvashskoe knizhnoe izd-vo] 1965. 97 p.  
(MH)

## CHUVASH FICTION—HISTORY AND CRITICISM

Kheibnikov, G. Ia. [The Chuvash novel] Chuvashskii roman, Cheboksary, Chuvashskoe knizhnoe izd-vo, 1966. 211 p.

## CHUVASHES see subdivision under Bashkirs; Orenburg Province

## CHUVASHIA—BUILDING MATERIALS

New building materials made of local raw materials N. T. Egorov Uch. zap. CHINHALIE no 23 61-72 '63

## CHUVASHIA—COLLECTIVE FARMS—FINANCE

Coordination of accumulation and consumption on collective farms V. M. Akhmedov Uch. zap. CHINHALIE no 23 14-25 '63

The problem of accumulation within collective farms P. L. Lebedev Uch. zap. CHINHALIE no 23 3-13 '63

## CHUVASHIA—FIELD CROPS—FERTILIZERS AND MANURES

Effect of potassium fertilizers in soils of Chuvashia E. I. Grigor'ev, I. M. Bardshev. Khim. v sel. khoz. 4 no 12 62-65 D '66

## CHUVASHIA—HISTORY

Nauchno-issledovatel'skii institut pri Sovetskom Ministerstve Chuvashskoi ASSR. [History of the Chuvash A. S. S. R.] Istoriia Chuvashskoi ASSR Cheboksary, Chuvashskoe knizhnoe izd-vo.

Vol. I [From ancient times to the Great October Socialist Revolution] S. dnevnykh vremen do Velikoi Oktobr'skoi sotsialisticheskoi revoliutsii, 1966 258 p.

## CHUVASHIA—INCENTIVES IN AGRICULTURE

Expanded production on collective farms and the material incentive of the farmers M. A. Andreev Uch. zap. CHINHALIE no 23 26-35 '63

## CHUVASHIA—INDUSTRIAL MANAGEMENT

Reorganization of the management of industry and construction in Chuvashia in 1957 and its results S. G. Russakov Uch. zap. CHINHALIE no 23 15-17 '63

## CHUVASHIA—INDUSTRIES

Intraparty and ideological work of the party organizations in industry and transport of the Chuvash A. S. S. R., 1911-1915 A. F. Izhokin Uch. zap. CHINHALIE no 23 113-169 '63

## CHUVASHIA—MACHINE-TRACTOR STATIONS

Comprehensive technological culture at the machine-tractor stations Uch. zap. CHINHALIE no 23 57-60 '63

## CHUVASHIA—MAN, PREHISTORIC

The clay models of wheels from the Baimovo burial ground P. M. Kozhin Sov. etnol. 10 no 1 176-178 '66

## CHUVASHIA—OPERA

Markov, B. S. [Birth of the musical theater of Chuvashia] Rozhdeniye muzykal'nogo teatra Chuvashii, Cheboksary [Chuvashskoe knizhnoe izd-vo] 1965. 97 p.  
(MH)

## CHUVASHIA—POPULATION

Number, composition and dynamics of the population of Chuvashia during the capitalist period P. A. Sidorov Uch. zap. CHINHALIE no 23 229-247 '63

## CHUVASHIA—PRESS

From the history of the Chuvash party and Soviet press during the period of the civil war M. V. Rumiantsev Uch. zap. CHINHALIE no 23 185-195 '63

Militant organs of local soviets from the history of the Chuvash press A. V. Izokin Uch. zap. CHINHALIE no 23 170-181 '63

## CHUVASHIA—REVOLUTION, 1917-1921

From the history of the Chuvash party and Soviet press during the period of the civil war M. V. Rumiantsev Uch. zap. CHINHALIE no 23 185-195 '63

## CHUVASHIA—SOCIAL SCIENCES

Results of the work of this institute carried out in 1962 Uch. zap. CHINHALIE no 23 270-273 '63

## CHUVASHIA—TRANSPORT WORKERS

Intraparty and ideological work of the party organizations in industry and transport of the Chuvash A. S. S. R., 1913-1915 A. F. Izhokin Uch. zap. CHINHALIE no 23 113-169 '63

## CHUVASHIA—VILLAGE COMMUNITIES

Composite village communities in Chuvashia V. D. Dmitriev Uch. zap. CHINHALIE no 23 196-228 '63

## CHYMOTRYPSIN

Effect of amino acids on the proteolytic activity of trypsin and chymotrypsin M. P. Chelunkov Biokhimiia 28 no 2 285-287 M-Ap '63  
Inhibitory effect of hormones on the three-phase reaction of hydrolysis by -chymotrypsin of nonspecific substrates I. V. Bezgin and others Dokl. AN SSSR 171 no 5 1213-1219 D '66

## CICATRICES

Role of nerve electricity in restoration of functions V. V. Shuvayev, V. A. Poltansky, M. A. Shuster Trudy I-go AMM 49 246-250 '66

## CINCHONINIC ACID

Synthesis and study of 2,2'-diquinolyl derivatives Part 3: Part 3 Esters and amides of 6,6'-dinitro-2,2'-bi-cinchoninic acid A. L. Gershuns, A. A. Pavlikov, Ukr. khim. zhur. 32 no 12 1311-1314 '66

## CINEMATOGRAPHY, SUBMARINE

Use of submarine cinematography and photography for measuring turbulent coefficients in natural conditions A. V. Mator Trudy Okean. kom. 14 43-41 '62

## CINNABAR see subdivision under Donets Basin

## CINNAMALDEHYDE

New method of synthesizing cinnamaldehyde A. V. Bogatskii, Z. D. Bogatskaya, T. E. Pipikova, Ukr. khim. zhur. 32 no 12 1321-1322 '66

## CINNAMIC ACID

Photometric determination of nickel using  $\beta$ -mercaptopropionic and  $\beta$ -mercaptopropylcinnamic acids A. I. Busev, D. Kh. Vin' Zhur. anal. khim. 21 no 11 1311-1318 '66

Ratio between contents of caffeic and chlorogenic acids as an index of potato tuber resistance to Phytophthora infestans V. E. Sokolova Prikl. biokhimiia i mikrobiol. 2 no 6 675-681 N-D '66

## CIRCULAR SAWS

Pedal-driven device for cutting lumber D. I. Golev, Tr. imp. stol. 11 no 11 51 N '61

## CIRCULATORY SYSTEM see Cardiovascular system

## CITIES AND TOWNS

(see also subdivision under Uzbekistan, Yugoslavia)

Physiogeographical study of cities A. S. Kizlov, Tr. zap. Volg. gos. ped. inst. no 18 115-128 '61

## CITIES AND TOWNS—CIVIC IMPROVEMENT

(see also subdivision under Bulgaria)  
Small architectural forms in municipal improvement V. Skugarev Arkh. SSSR no 8 22-25 '66

## CITIES AND TOWNS, RUINED, EXTINCT, ETC see subdivision under Torek Valley

## CITRIC ACID

Certain problems involved in the kinetics of citric acid oxidation by cerium sulfate L. D. Pozhidnev, S. V. Gorbachev Trudy MKhIT no 41 72-76 '63  
Effect of the oxidation-reduction potential on the course of citric acid oxidation reaction I. D. Podladav, S. V. Gorbachev Trudy MKhIT no 41 66-71 '63  
Isolation of acetyl and citral phosphates from liver homogenates following transformation of citric acid M. I. Hulyi, P. M. Pechonova Iki biokhimiia 38 no 6 611-617 '66  
Use of paper electrophoresis for the division of some acids of the citric acid cycle in biological fluids A. M. Petrun'kina, L. I. Shilin, Lab. delo no 1 23-25 '67

## CITRONELOL

Identification of odorous substances Report No 3 S. A. Koev, E. I. Shepelukova, P. M. Chernova Trudy VNISNDV no 7 119-161 '65

## CITRUS FRUITS

Content of soluble sugars and free amino acids in the buds and leaves of some species of citrus fruits marked by various intensity of winter dormancy I. I. Surkova Sborn. trudy asp. i mol. nauch. sot. VIR no 2 264-270 '61  
Polyembryony in citrus fruits N. I. Malsvadze, Subtrop. kult. no 3 80-90 '66  
Results of the study of physiological and biochemical changes in lemon seedlings grafted on Citrus ichangensis G. D. Chikhalov, Sborn. trudy asp. i mol. nauch. sot. VIR no 2 270-276 '61  
Studying the effect of temperature and moisture on the pollen viability of Citrus ichangensis N. M. Tolozala Sborn. trudy asp. i mol. nauch. sot. VIR no 2 277-281 '61

## CITRUS FRUITS—COSTS see subdivision under Makharadze District

## CITRUS FRUITS—DISEASES AND PESTS

Biological method for controlling the greenhouse whitefly Dialeurodes citri Riley et How M. Ia. Mutavandec, Subtrop. kult. no 3 69-70 '66

## CITY PLANNING

(see also subdivision under Aykhal, Yakutia; Cherepovets, Vologda Province; Estonia; Kazakhstan; Leningrad; Moscow; Sevastopol; Tallinn; Tashkent; Tbilisi; Ulyanovsk; Voronezh)  
Architect looks into the future St. et. i arkh. 11 no 9: 3 Ag '63  
[... Birth of cities] ... I. voznikat goroda, Moskva, Sov. Rossiia, 1967, 140 p., illus.  
Boarding schools for children of preschool age in a suburban area A. Sycheva Arkh. SSSR no 6 37-39 '63  
Cities are changing their structure V. Lavrov, Arkh. SSSR no 11 15-24 '66  
In the institutes of the State Committee on Municipal Construction and Architecture attached to the State Committee on Construction of the Council of Ministers of the U.S.S.R. Zhil. stol. no 12 29-30 '66  
In the State Committee on Municipal Construction and Architecture attached to the State Committee on Construction of the Council of Ministers of the U.S.S.R. Arkh. SSSR no 7 64 '66  
In the State Committee on Municipal Construction and Architecture attached to the State Committee on Construction of the Council of Ministers of the U.S.S.R. Arkh. SSSR no 11 64 '66  
Original structure of city centers of Kursk, Orel, and Belgorod, S. Fedorov, Arkh. SSSR no 11 58-60 '66  
Planning a new town V. Shkvarikov, I. Smoliar, Arkh. SSSR no 7 12-11 '66  
Possibilities of calculating movement patterns of city dwellers A. Mednis, Arkh. SSSR no 7 44-47 '66  
Pressing problem S. Vainshteyn, T. Mikhailova, St. et. i arkh. 11 no 8 4-6 Ag '63  
Problems in the decentralization of large cities A. A. Afonchenko St. et. i arkh. 11 no 5 26-28 My '63

**CITY PLANNING (Continued)**  
School network in a residential area IU Tushin Arkhiv SSR no 6:33-37 '63.

**Ukraine, Gosudarstvennyi komitet po delam stroitel'stva, (An aid to the planner) V pomo-shch' proektirovshchiku Kiev, Budiyel'nyk. Vols. 1-2. 1986. 2 v. (MH)**  
What hinders relaxation in a metropolis? IU Lebedev Sov profsoyuz 22 no 23:31-42 D '66

**CIVIL LAW** see subdivision under Kirghizistan, Poland

**CIVIL PROCEDURE**  
(see also subdivision under Kirghizistan; Latvia)  
Appellate and review procedure in the examination of civil lawsuits O Ivanov Sots. zakon. 43 no 12:30-33 D '66  
Jurisdiction of comrades courts in civil law cases. A. Feldman Itad pravo 29 no 12:71-75 D '66.  
Participation of trade unions in the review of judicial decisions by reason of newly discovered circumstances M. I. Shtefan Pravovnistvo no 1:101-109 '67  
Some examples of the court trial of civil cases instigated by public prosecutors. B. Kravtsov, Sov iust. 30 no. 23:6-6 D '66.

**CLADOCERA** see Water fleas

**CLARKE, ARTHUR CHARLES, 1917-**  
Profiles of the future. B. Liapunov, V mla tuzig 6 no. 10:13-14 D '66.

**CLASSIFICATION, BIBLIOGRAPHIC**  
Vsesoluznyi institut nauchnoi i tekhnicheskoi informatsii. [Classification scheme of abstracting publications of the U.S.S.R. for 1966] Rubrikator referativnykh izdaniy SSR, 1966 god. Pod red. V. I. Gorkhova, Moskva, 1965. 460 p. (CNOTU)

**CLASSIFICATION, UNIVERSAL DECIMAL**  
In lieu of a book review. F. A. Faverman Sov bibl no 5:66-69 '66

**CLASSIFICATION OF SCIENCES**  
Methodological problems in the systematization of natural sciences. I. V. Mituriev. Trudy LPI no. 261: 128-130 '66.

**CLASSIFIED CATALOGS** see Catalogs, Classified

**CLAY** see subdivision under Anapa region (Krasnodar Territory); Pechanyy Island; Ukraine; Ural Mountain region; White Russia

**CLAY MINERALS**  
(see also subdivision under Volga Valley)  
Kukovskii, E. G. [Characteristics of the structure and physicochemical properties of clay minerals] Osobennosti stroenia i fiziko-khimicheskie svoystva glinistykh mineralov. Kiev, Naukova dumka, 1966. 130 p.

**CLEANING COMPOUNDS**  
Properties of the monoethanolamides of individual fatty acids. A. M. Kuzmukh, G. I. Mikhailenko. Masl. zhur. prom. 28 no. 6:17-22 Je '62

**CLEFT PALATE**  
Logopedic work in cases of open rhinolalia after maxilloplasty. T. N. Voinitsova, Uch. zap. MGPI no. 219:90-100 '64.

**CLIMACTERIC**  
Vikhilova, E. M. [Climacteric syndrome and its treatment] Klimaktericheski sindrom o ego lechenie. Moskva, Meditsina, 1966. 137 p. (Biblioteka prakticheskogo vracha) (DNLM)

**CLIMATOLOGY**  
Basic characteristics of natural zonality and its manifestation on lands of the globe E. N. Lukashova Vest Mosk un Ser 5: Geog. 21 no 6:11-25 N-D '66.  
Tushinskii, G. K. [Space and the natural rhythms of the earth] Kosmos i ilimy prirody Zemli. Moskva, Prosvetshenie, 1966. 118 p. (Novoe v nauke)  
Use of frequency analysis for studying internal structure of natural climatic series. N. D. Volynskiy and others Trudy AANU 277:147-157 '66

**CLIMATOLOGY, MEDICAL—CONGRESSES**  
First international dermatological symposium on the climatology of skin diseases. A. N. Aravitskii, V. A. Rukhmanov, N. M. Turanov. Vest dermatov. 37 no. 3:47-50 Mr '63

**CLOCKMAKING AND WATCHMAKING** see subdivision under Minsk

**CLOSTRIDIUM**  
Constants of the rate of erythrocyte lysis by the  $\alpha$  toxin of Clostridium perfringens type A in various animals N. E. Stasetskii, I. G. Polozova. Zhur. mikrobiol. epid. i immun. 33 no. 6:115-117 Je '62.

Infections enterotoxemia of canaries caused by Clostridium perfringens, type C Moskau and others. Veterinariia 13 no 11:32-35 N '66  
Isolation, purification and some properties of protease in Clostridium botulinum B. I. P. Ashmarina, I. V. Varentsov, V. M. Zhitchev, P. P. Lusin. Biokhimiia 27 no. 5:788-794 S-O '62.  
Morphological and histochemical changes in the organism of guinea pigs caused by Clostridium perfringens of Clostridium "etili, type A. Report No. 3. Pathomorphological and histochemical changes in an immune organism. I. A. Anisov, I. V. Larina, M. V. Isopoltovskaya. Zhur. mikrobiol. epid. i immun. 13 no 11:98-12 N '66  
Obtaining diagnostic serum against type F Clostridium perfringens. P. P. Zephanitskaya, K. I. Matveev. Zhur. mikrobiol. epid. i immun. 43 no 11:52-56 N '66  
Quantitative estimation of anaerobic nitrogen-fixing butyric acid bacteria of genus Clostridium in soil. V. T. Pribitchev. Mikrobiologiya 31 no 2:288-293 M-Apr '62  
Diffuse fermentation by Clostridium acetobutylicum N. V. Shebekhina, B. M. Nukhmanovich. Mikrobiologiya 35 no 5:789-791 S-O '66

**CLOSTRIDIUM—CULTURES AND CULTURE MEDIA**  
Characteristics of glycerophosphatase in Clostridium perfringens. A. I. Kuchukina, V. A. Blagoveshchenskii. Dokl. AN SSSR 171 no 5:193-193 D '66.

**CLOTHING, PROTECTIVE**  
Close to life. V. Karpetin, A. Rybniko, Izob. i izn. no. 12:27 '66  
Umanskii, S. P. [Equipment of an air pilot and astronaut] Snabzhenie letchika i kosmonavta, Moskva, Voenizdat, 1967. 191 p.

**CLOTHING AND DRESS—STANDARDS**  
There should be uniform standards for clothing. IA. Legkhan, K. Mnyshov, B. Semak. Sov tolg. 10 no. 1:13-11 Ja '67.

**CLOTHING INDUSTRY** see subdivision under Moscow

**CLOTHING INDUSTRY—EQUIPMENT AND SUPPLIES**  
see subdivision under Kharkov

**CLOTHING INDUSTRY—MANAGEMENT**  
(see also subdivision under Gomel)  
Organizational forms of trade. S. Serbriakov. Sov. tolg. 40 no. 1:10-20 Ja '67.

**CLOUD CHAMBER**  
Possibility of measuring ionization of charged particles in streamer chamber. T. L. Asatiani and others. Izv. AN Arm. SSR, Fiz. 1 no. 2:227-130 '66.

**CLOUD PHYSICS**  
Artificial crystallization of large waterdrops. Kh. Kh. Medvedev. Trudy VGI no. 3:48-55 '66.  
Calculation of cloud cover in lower layer and snowfalls by natural processes and by artificial action. S. L. Lebedev. Trudy VGI no. 3:78-86 '66  
Characteristics of nature and speed of motion of systems of particles. V. G. Khorguanii. Trudy VGI no 3:39-42 '66.  
Distillation of meteorological elements in cumulus clouds. G. D. Matukhin. Trudy VGI no 3:81-100 '66.  
Experimental study of crystallization of supercooled sticky figurative cumulus by pyrotechnic compounds containing AgI and IBr<sub>2</sub>. IU, P. Sumin. Trudy GGO no. 186: 26-37 '66.  
Formation and evolution of convection cloud. S. L. Lebedev. Trudy VGI no. 3:87-93 '66  
Results of comparison of microphysical traps and collectors of different systems. V. S. Minervin and others. Trudy VGI no. 3:18-38 '66.  
Role of capture coefficient in theory of coalescence growth of cloud droplets. IU, A. Dovgaluk. Trudy GGO no. 186: 113-119 '66  
Some characteristics of nature of interaction and coefficient of capture of cloud particles of comparative sizes. V. G. Khorguanii. Trudy VGI no. 3:7-17 '66.  
Structure of cloud base of lower stratus. V. S. Kozhai. Trudy GGO no 186:95-103 '66  
Study of processes of capture of aerosol in cloud by method of ingested atoms. I. I. Burtsev and others. Trudy VGI no. 3:63-78 '66.  
Super saturation of vapor during formation of droplet cloud. B. Ju. Borishavili, IU, A. Dovgaluk. Trudy GGO no 186:126-135 '66

**CLOUDS**  
Concentration of halitones and hail seeds in thick cumulus clouds. M. T. Absharov. Trudy VGI no 3:191-195 '66.  
Convective condensation level. E. P. Budilova, V. T. Leshin. Trudy GGO no 186:44-48 '66.  
Radio observations of effect of extensive convective cloud modification. N. A. Zykov and others. Trudy GGO no 186:74-79 '66  
Some problems in forecasting convective cloud cover by layer method. L. M. Lapteva, N. M. Mat'vakhova. Trudy VGI no. 3:151-153 '66.  
World of clouds; most important structures of cloud cover of the earth. N. I. Novozhilov. Priroda 55 no. 12:138-43 '66.

**CLOVER** see subdivision under Kolkhida Lowland

**CLOVER—FERTILIZERS AND MANURES** see subdivision under Lori Plateau

**CLOWNS**  
[A whole evening at a manager. . . ; a popular collection] Ves' vecher na manerie. . . ; popularnyi sbornik. Moskva, Sov. Rossiia, 1965. 78 p. (Biblioteka "V pomoshch' khudozhesvennoi samodelatel'nosti," no. 4)

**CLUBROOT**  
(see also subdivision under Leningrad Province)  
Resistance of the varieties and intervarietal hybrids of field turnip and garden turnip to clubroot. N. S. Pivovrova. Sbornik nauch. zap. VIR no. 156-168 '61

**CLUTCHES (MACHINERY)**  
Kraitsberg, M. L., and M. B. Milich. [Electromagnetic sliding clutches in construction and road machines, a survey] Elektromagnitnye mutly skol'zhenia v stroitel'nykh i dorozhnykh mashinakh, obzor. Moskva, NIIInfor mentsii i oldorkomunismash, 1965. 111 p. (Seria 1 Stroitel'nye i dorozhnye mashiny)  
Tower engineering by two-ward piece clutches. T. A. Shchutina (Nauch. trudy) FNIKAiSna no 1:111-55 '66  
Starters clutch attachment to the motors of impact mills and fans. L. I. Vokova and others. Energomashinost' obr. 8 no 8:35-37 Ag '62

**COAGULATION**  
Mechanism of the formation of coagulation structures in aqueous dispersions of polyorganosilicate and hydromica under the effect of ultrasound. N. N. Kravtshinskii and others. Izv. AN SSSR Neorg. mat. 2 no 12:2215-2220 D '66  
Stability and coagulation of synthetic latexes. Part 9. Aggregated latexes. O. G. Kiseleva and others. Koll. zhur. 28 no 6:843-846 N-D '66

**COAL**  
(see also subdivision under Donets Basin, Karganda Basin)  
Continuous metal-steam process for the production of hydrogen using natural coal. A. A. Gavrilova. Trudy IGI 18:101-109 '62.  
Determination of benzene polycarboxylic acids in oxidation products of some natural materials. I. A. Kodina, V. N. Generalova, Zhur. anal. khim. 21 no. 11:1361-1369 '65.

**COAL—CARBONIZATION**  
(see also subdivision under Donets Basin)  
Plastic state of coals viewed as a system with colloidal properties. M. D. Shapiro, I. S. Ahterman. Koks i khim. no. 6:10-15 '67.  
Role of colloidal and chemical processes in the carbonization of coals and changes. K. P. Medvedev. Koks i khim. no. 6:10-20 '62

**COAL—CLASSIFICATION**  
New classification of humid coals. N. M. Karavaev. Koks i khim. no 12:1-7 '66

**COAL—STORAGE**  
Using rolled water tanks in the assembly of the silo hoppers of a coal-storage plant. G. A. Richeik. Mont. i spets. inzh. v stroit. 25 no 8:6-9 Ag '63

**COAL—TRANSPORTATION**  
Combined waterway and railroad transportation of coal through the port of Kotlas. V. Chikunin. Ruch. transp. 25 no. 12:66 '66  
New technology for unloading coal. V. Polpeuko. Ruch. transp. 21 no 7:50 Ji '62

**COAL, EFFECT OF TEMPERATURE ON**  
Coke manufacture without using lean caking coals. R. E. Leibovich and others. Koks i khim. no. 12:12-11 '66.  
Mechanism of thermochemical transformations of coal in grains of various sizes. V. I. Shustikov, N. A. Kokin. Koks i khim. no. 12:7-12 '66.

**COAL, PULVERIZED** see subdivision under United States

**COAL GEOLOGY**  
(see also subdivision under Donets Basin; Kirei Basin; Lvov-Volyn' Basin; Perm Province)  
Calculation of the methane losses of coal cores and drilling mud in the hole when a drilling coal seams. I. V. Bukin, L. V. Gidrop. Izv. vye. ucheb. zav. i spets. i inzh. 8 no 6:88-92 Je '63.  
Problems and stages of studying gas content during exploration of coal deposits. B. M. Zimakov. Mat. GKZ. no. 4:65-75 '66.  
Using data of mining operations in geological reports containing estimates of coal reserves. IU, V. Rudakov. Mat. GKZ. no. 4:36-41 '66.

**COAL GEOLOGY—TABLES, CALCULATIONS, ETC.**  
see subdivision under Kuznetsk Basin

## COAL MINERS

(see also subdivision under Moscow Basin)

For the home and family. Sov. shakht. 12 no. 4:35-40 Ap '63

The L. and does not interest. V. Kozhedub. Sov. shakht. 12 no. 4:13 Ap '63

In a miner's footsteps. G. Filatov. Sov. shakht. 12 no. 4:22-23 Ap '63

Miner's stories of olden days. Sov. shakht. 12 no. 1:12-43 Ap '63

On the other side of the statistics. A. Fishov. Sov. shakht. 12 no. 1:11 Ap '63

Our deputies. Sov. shakht. 12 no. 4:15-18 Ap '63

Our support. I. Bessedin. Sov. shakht. 12 no. 1:21 Ap '63

Self-reliance. M. Shapiro. Sov. shakht. 12 no. 4:25 Ap '63

Under tight supervision. L. Smolin. Sov. shakht. 12 no. 1:11 Ap '63

## COAL MINERS—DISEASES AND HYGIENE

Introduce industrial gymnastics into every mine. IU. Khru-  
lova. Sov. shakht. 12 no. 1:15-16 Ap '63

Natural lighting of headframes. A. T. Darbinian. Shakht.  
stroi. 10 no. 11:30-31 N '66

## COAL MINERS—LEGAL STATUS, LAWS, ETC

Consultation. Sov. shakht. 12 no. 4:28-29 Ap '63

## COAL MINERS—RECREATION

Aviation hobby. Sov. shakht. 12 no. 4:36-37 Ap '63

## COAL MINES AND MINING

(see also subdivision under Donetsk Basin; Georgia;  
Karaganda Basin; Kizel Basin; Perm Province;  
Vietnam, North)

Efficiency of roof caving methods during manless explo-  
ration mining of coal. P. M. Pleskov. Izv. vys. ucheb.  
zav. gor. zhur. 6 no. 5:39-45 '63

Fourth Plenum of the Central Committee of the Trade  
Union. Sov. shakht. 12 no. 4:32 Ap '63

Letters from our readers. Sov. shakht. 12 no. 4:26-27  
Ap '63

Lindenau, N. I., R. V. Bulkevich, and K. P. Kivobok.  
[Mining of thick coal seams.] Razrabotka moshchnykh  
ugol'nykh plastov. Pod red. A. N. Zadenidko. Moskva,  
Nedra, 1966. 288 p.

Measures for fighting methane in faces of cutter-loader  
mined development workings. I. V. Sergeev, N. I. Usti-  
nov. Bezop. truda v prom. 7 no. 5:28-30 My '63

Movement of all the people. I. Vladychenko. Sov. shakht.  
12 no. 1:2-3 Ap '63

## COAL MINES AND MINING—ACCIDENTS

(see also subdivision under Lugansk Province;  
Lvov-Volyn' Basin)

Problems of traumatism prevention in enterprises of  
coal industry. T. A. Revenco, M. I. Shilo. Travmatol-  
ogiia no. 1:3-8 '65

## COAL MINES AND MINING—COSTS

(see also subdivision under Donetsk Basin)

Calculating costs and determining the profitability of  
mining coal along the seams. G. G. Bro. Izv. vys. ucheb.  
zav. gor. zhur. 8 no. 5:70-74 '63

Reducing losses is an important reserve. V. Borisov.  
Sov. shakht. 12 no. 4:7-9 Ap '63

## COAL MINES AND MINING—EQUIPMENT AND SUP- PLIES

(see also subdivision under Kazakhstan)

Determining chamber length during coal mining with  
KG-type cutter-loaders. R. E. Izatimskii. Ugol' 11  
no. 12:31-34 D '66

Standardizing the use of metal for repair and operational  
needs in coal industry. M. I. Dubinskii, P. Kh. Sivaks.  
Ugol' 41 no. 12:38-41 D '66

## COAL MINES AND MINING—FIRES AND FIRE PRE- VENTION

Causes of fires on belt conveyors. P. B. Pak, B. V.  
Shushpannikov. Bezop. truda v prom. 7 no. 5:13  
My '63

Process of spontaneous coal combustion and possibility  
of its control. V. M. Muravskii, L. P. Belaventscy,  
I. P. Rapolsevich. Ugol' 11 no. 12:54-58 D '66

Rapid building of chambers for fire-preventing stations.  
I. E. Kiri, G. N. Berezin. Shakht. stroi. 10 no. 11:19-  
20 N '66

## COAL MINES AND MINING—LABOR PRODUCTIVITY

(see also subdivision under Donetsk Basin; Karaganda  
Basin; Kazakhstan; Moscow Basin; Pechora Basin)

Two cycles a day on a thin seam. N. Grinda. Sov.  
shakht. 12 no. 4:9-10 Ap '63

## COAL MINES AND MINING—MANAGEMENT

(see also subdivision under Kuznetsk Basin)

Continuous integrated schedules are a new method for  
safety in mining. A. P. Semlin, K. P. Tolstol. Bezop.  
truda v prom. 8 no. 5:8-9 My '62

Working out norms for mine staffs attending mechanized  
processes on mine surfaces. I. I. Ukho and others.  
Izv. vys. ucheb. zav. gor. zhur. 6 no. 5:75-79 '63

## COAL MINES AND MINING—MATHEMATICAL MODELS

Mathematical modeling of processes in longwalls as a  
method of scientific work organization. V. S. Yastynov  
and others. Ugol' 41 no. 12:14-17 D '66

## COAL MINES AND MINING—SAFETY MEASURES

(see also subdivision under Donetsk Basin,  
Kuznetsk Basin; Lugansk Province)

Chernomashnikov, I. A., N., and G. I. Knepelushnikov. [Prin-  
ciples of safety engineering, preliminary training of  
workers on safety measures in coal mines.] Osnovy  
tekhniki bezopasnosti, predvaritel'noe obucheniye rabo-  
chikh po tekhnike bezopasnosti na ugol'nykh shakhtakh.  
Moskva, Nedra, 1966. 113 p.

Critical pressure is a criterion of a danger zone for sud-  
den outbursts of coal and gas. I. M. Pechuk. Dopr. AN  
URS'R no. 11:1470-1473 '62

An efficient method of transporting workers in coal  
mines with a block system of mining. T. P. Kalmykov.  
Ugol' 11 no. 12:31-37 D '66

Improve the operating safety of scraper conveyors. I. M.  
Gusevnikov. Bezop. truda v prom. 6 no. 5:12-13 My  
'62

New progressive coal mining technique. V. N. Ignatiev.  
Bezop. truda v prom. 6 no. 5:9-10 My '62

Problems of traumatism prevention in enterprises of  
coal industry. T. A. Revenco, M. I. Shilo. Travmatol-  
ogiia no. 1:3-8 '65

Results of irresponsibility. Z. N. Gol'dberg. Bezop.  
truda v prom. 7 no. 5:15-16 My '63

Technical progress and objectives of coal industry  
workers. I. I. Kagan. Bezop. truda v prom. 6  
no. 5:1-3 My '62

## COAL MINES AND MINING—TABLES, CALCULATIONS, ETC

Using data of mining operations in geological reports  
containing estimates of coal reserves. IU. V. Rudakov.  
Stat. Gl. 2 no. 4:36-41 '66

## COAL MINING MACHINERY

Improving systems of mining is the way of bettering  
efficient performance of equipment complexes in  
Moscow Basin. P. Kh. Prizimakov and others. Ugol' 11  
no. 12:29-29 D '66

Mining 80, 112 tons of anthracite in 30 workdays. M. I.  
Borovkov. Ugol' 11 no. 12:16-19 D '66

New progressive coal mining techniques. V. N. Ignatiev.  
Bezop. truda v prom. 6 no. 5:9-10 My '62

Technical progress and objectives of coal industry  
workers. I. I. Kagan. Bezop. truda v prom. 6  
no. 5:1-1 My '62

## COAL MINING MACHINERY—CONGRESSES

Scientific session on automated stopping units and equip-  
ment complexes. R. V. Bulkevich. Ugol' 41 no. 12:67  
D '66

## COAL MINING MACHINERY—DESIGN AND CONSTRU- TION

Increase the safety in servicing cutter-loaders. N. P.  
Kostylev, V. S. Yakovlev. Bezop. truda v prom. 7  
no. 5:1-2 My '63

## COAL MINING MACHINERY—MAINTENANCE AND REPAIR

Standardizing the use of metal for repair and operational  
needs in coal industry. M. I. Dubinskii, P. Kh. Sivaks.  
Ugol' 11 no. 12:38-41 D '66

## COAL PREPARATION

(see also subdivision under Donetsk Basin)

Increasing the efficiency of crushing. G. N. Dru and  
others. Koks i khim. no. 6:8-8 '62

Pelletizing small classes of coal. O. N. Mashenkov, K. I.  
Sysoyev. Koks i khim. no. 10:9-11 '66

Studying the burning of brown coal. V. Ia. Tsarev, K. I.  
Sysoyev. Trudy MKIT'1 no. 42:5-11 '63

## COAL PREPARATION—CONGRESSES

Regional conference on coal preparation. R. S. Iando.  
Ugol' 41 no. 12:60-70 D '66

## COAL PREPARATION—RESEARCH

Research work on coal preparation. L. I. Papushin.  
Koks i khim. no. 6:51-53 '62

## COAL PREPARATION—TABLES, CALCULATIONS, ETC. see subdivision under Kuznetsk Basin

## COAL PREPARATION PLANTS see subdivision

under Kommunar'sk (Lugansk Province)

## COAL PREPARATION PLANTS—EQUIPMENT AND SUP- PLIES

(see also subdivision under Karaganda Basin)

Further development of coal preparation in the new five-  
year plan. I. S. Diagov. Ugol' 41 no. 12:8-13 D '66

## COAL TAR

Improving the method of tar distillation. I. S. El'kind.  
Koks i khim. no. 6:41-44 '62

Reducing ash content of coal tar during smokeless  
charging of coke ovens. T. P. Varshavskii and others.  
Koks i khim. no. 10:22-24 '66

## COAST CHANGES

Participation of horizontal eddies of water in coast  
evolution processes. I. A. Pivovarov. Vest. Mosk. un-  
iv. 5 (Geog. 21 no. 6:100-102 N-D) '66

## COASTWISE SHIPPING—RATES

Coastwise passenger transportation rates and suggestions  
for their improvement. I. I. Makal'skii, T. I. Solov-  
yev. Trudy otd. 7 no. 7:75-80 '65

## COBALT

Simultaneous polarographic determination of iron and  
cobalt. E. A. Iur'eva, T. M. Malolina. Zh. anal.  
khim. 21 no. 10:1271-1273 '66

## COBALT—ANALYSIS

Photometric extraction method for determining cobalt in  
special and heat-resistant alloys. A. S. Babenko, V. N.  
Tolmachev. Khim. prom. [UKr.] no. 3:68-71 N '62

## COBALT—EFFECT ON PLANTS see Plants, Effect of cobalt on

## COBALT CARBONYLS

Prevention of metallic cobalt deposition on apparatus  
walls during thermal decomposition of cobalt carbonyls.  
D. P. Klinkin, D. M. Rudkovskii. Khim. prom. 12  
no. 12:901-903 D '66

## COBALT COMPOUNDS

Products of interaction of salts of cis-bis-dimethyl-  
oxaminediquocobalt with ammonia and ethylenediamine.  
A. V. Ablov, O. A. Potogin, N. M. Saman'. Zh. neorg.  
khim. 11 no. 11:2632-2637 N '66

## COBALT COMPOUNDS—SOLUBILITY

Solubility of cobalt compounds with benzimidazole. I. V.  
Platinskii, M. Durdoyev. Ukr. khim. zhur. 32 no. 12,  
1331-1331 '66

## COBALT CRYSTALS—THERMAL PROPERTIES

Ferromagnetic resonance in cobalt single crystals. I. A.  
Shur. O. I. Shklyeva. Zhur. eksp. teoret. fiz. 51 no. 4  
1001-1006 O '66

## COBALT CRYSTALS, EFFECT OF TEMPERATURE ON

Structure and thermal expansion of fine cobalt particles.  
IU. I. Petrov. Kristallografiia 11 no. 6:931-932 N-D  
'66

## COBALT IN THE BODY

Cobalt content of the blood in elderly and old people.  
M. M. Korobchenko. Dokl. AN SSSR 6 no. 8:985-986  
Fe '62

Normal cobalt content in the blood of man. L. I. Idrisov,  
I. D. Zhukovskaya. Probl. gemat. i perel. krovi 8 no. 3  
10-11 N '63

## COBALT ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of ionizing radiation on the secretory processes  
in the exocrine part of the pancreas of white mice.  
N. K. Simidi. Vop. radiofiz. 4:222-227 '63

## COBALT ISOTOPES—THERAPEUTIC USE

Results of cutting cancer of the tongue and the cancer  
cavity of the mouth by a combined method with the use  
of radioactive cobalt. I. M. Varentsov. Khim. tekhn.  
no. 1:41-49 '65

## COBALT-MAGNESIUM-NICKEL ALLOYS see Magnesium- cobalt-nickel alloys

## COBALT-MOLYBDENUM-BORON ALLOYS see Molybdenum-cobalt-boron alloys

## COCCIDIOSIS

(see also subdivision under Pukhovichskiy  
District)

Study of means and working out methods for the destruc-  
tion of parasites in cultivation of poultry. A. I. Kly-  
chev. Veterinaria 43 no. 11:92-94 N '66

Symposium on poultry coccidiosis at the 13th interna-  
tional congress of poultry farmers. M. A. Atutchev.  
Veterinaria 43 no. 11:54-56 N '66

## COCCIDIOSIS see subdivision under Pacific Ocean

## CODINE

Method of determining strychnine nitrate and the codeine  
base in Dr. Karmanova's tablets. V. G. Tyndankina. N. S.  
Goracheva. Apt. dolo 12 no. 1:30-42 Ju-J '63

## CODFISH see subdivision under Kamchatka

## CODING THEORY

Construction of nonlinear time-impulse converters of a  
potential to code. V. N. Alekhin. Avtomatiz. no. 5:  
98-106 '66

Selection of redundancy for interference-proof codes with  
finite reliability of coding and decoding devices. IU. N.  
Mal'nikov. Elektrosvyaz' 20 no. 12:1-8 D '66







## COMMUNICABLE DISEASES (Continued)

[Multi-volume manual on the microbiology, clinical aspects and epidemiology of infectious diseases] *Mnogotomnoe izdaniye po mikrobiologii, klinike i epidemiologii infektsionnykh boleznei* Moskva, Meditsina Vol. 10 Studitskiy, A.A., ed. [Historical essay on the microbiology, epidemiology and clinical aspects of infectious diseases, mycoses and diseases of unexplained etiology] *Istoricheskiy ocherk mikrobiologii, epidemiologii i kliniki infektsionnykh boleznei, mikrozy i bolezni s nevyasnennoy etiologiyey* Red kollegiya Xitina A.M., Artyevich I.D. 1966 601 p (DNLM)

Non-specific immunity in children A.V. Maslov Vost. AN SSSR 17 no 10 141-75 '62

## COMMUNICABLE DISEASES—BIBLIOGRAPHY see Bibliography—Communicable diseases

## COMMUNICABLE DISEASES—CLASSIFICATION

Scientific principle of classification of infectious diseases in man V.D. Beliakov Zhurn. mikrobiol. i epid. i immun. 13 no 11 131-136 N '66

## COMMUNICABLE DISEASES—PREVENTION

V.I. Lenin in the organization of infectious disease control B.M. Potulov Zhurn. mikrobiol. i epid. i immun. 33 no 6-3-7 Je '62

## COMMUNICABLE DISEASES IN ANIMALS

1. *Salmonella typhimurium* infection (Salmonella typhimurium) in pedigree piglets L.A. Khavtinskaya Zhurn. mikrobiol. i epid. i immun. 33 no 5 96 Je '62

2. *Epizootic situation with regard to the most important infectious diseases of animals* I.U. Golobachapov, A.P. Zolov Veterinarnia 13 no 12 94-96 D '65.

## COMMUNICATION AND TRAFFIC—ACCOUNTING see subdivision under Talar, A.S.S.R.

## COMMUNISM

(see also subdivision under Soviet Far East; Transcaucasia)

The all-conquering power of communism. M. Andreev, Mol. komm., no 11, 21-30 N '61.

The basic economic law and the problem of improving the efficiency of social production. V.M. Agerev, Uch. zap. Mos. gos. un., no 46, 227-247 '65.

The building of communism and the world revolutionary process. Kommunist 13 no 16, 13-12 D '66.

Discussing the book "The building of communism and the development of social relations" E.I. Gudimovskaya Vop. filos. 20 no 13 131-139 '66

Economic laws of socialism A. Pashkov Plan. khoz. 43 no 1-9-10 Ja '67.

50 years which changed the world. Nyson Carter, Nov. vrem., 25 no, 1-3-5 Ja '67.

In the light of Marxism, V. Milkovskii, V mire knig 6 no, 10-7 O '66.

Influence of the building of communism in the U.S.S.R. upon the progress of the human race M.D. Solov'ev Trudy LPI no. 261, 11-15 '66

Klascy, V.P. [The inspirational power of the ideas of communism] *Vдохновlialushchaya sila idei kommunizma*, Gor'ki, Volgo-Vlatskoe izd-vo, 1965, 63 p. (NIC)

Kuleshov, V.V. [Characteristics of the operation of the economic laws of socialism and their use, a lecture delivered at one-year higher economics courses] *Oso-bennosti deystviya ekonomicheskikh zakonov sotsializma i ikh ispol'zovanie; lektsiia, prochnutannaya na vysshikh godichnykh ekonomicheskikh kursakh*, Shakhly, Vysshie godichnyye ekon. kursy iukovoditshchikh rabotnikov ugo'lnoi promyshli, 1966, 35 p.

## (MICROFILM)

Kurganov, L.A. [The strategy of communism; report to an enlarged session of the Committee for Rights and Liberty in Russia] *Strategiya kommunizma, doklad na razshchennom zasedanii Komiteta za prava i svobodu v Rossii*, [Paris] Komitet za prava i svobodu v Rossii, 1961, 35 p. (CoU)

The most pressing problem of our time. V. Teleshkin, Mol. komm., no 3-6-14 Mr '61

Plimenov, A.A. [Cognition and use of the economic laws of socialism, a lecture delivered for students of higher economics courses] *Poznanie i ispol'zovanie ekonomicheskikh zakonov sotsializma, lektsiia, prochnutannaya dlia slushatelei vysshikh ekonomicheskikh kursov*, Novocheboksksk, Novochebokskskii politekhnik, izd-t, 1966, 22 p.

## (MICROFILM)

Present-day stage of the world revolutionary process. H.L. Nikol'skiy Ukr. ist. zhurn. 10 no. 12 74-85 D '66.

Rostovskii-na-Donu gosudarstvennyi pedagogicheskii institut. *Kafedra nauchnogo kommunizma*. [Problems of scientific communism] *Problemy nauchnogo kommunizma*, Rostov-na-Donu, 1966, 145 p.

Some laws and phases of the development of the communist socioeconomic formation. A.M. Kovalev, Vost. Moskv. un. Ser. 8; Filos. 21 no. 5-3-13 S-O '66.

Triumph of the ideas of the October Revolution. Kommunist 13 no 2-3-13 I '67.

Ward, Barbara. [Five ideas that change the world] Translated from the English Plati izdi, kotorye meniaut mir. New York, F.A. Praeger [1961] 189 p. (NIC)

Zerkh, D.P. [Sources and moving forces of the development of socialist society] *Istochniki i dvizhashchie silы razvitiya sotsialisticheskogo obshchestva* [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1966, 244 p.

## COMMUNISM—BIBLIOGRAPHY see Bibliography—Communism

## COMMUNISM—STUDY AND TEACHING

In the light of the new academic program V.P. Khushevich, I.U. P. Davydova, G.I. Zlobakov, Vost. vyssh. shkol'y 24 no 2-3-67 D '66.

Russia (U.S.S.R.) *Upravlenie prepodavaniia obshchestvennykh nauk*. [Recommended subjects for tests papers on scientific communism for correspondence schools of higher education, correspondence faculties and departments of universities] *Primeriia tematika kontrolykh i rabot po kursu nauchnogo kommunizma dlia razlichnykh vysshikh uchebnykh zavedenii, zauchnykh fakul'tetov i otdelnykh kursov* Moskva, Mysl', 1966, 30 p.

## COMMUNISM AND ART

I lofty ideology and artistic craftsmanship are the great strengths of Soviet literature and art; Comrade N.S. Khrushchev's speech at a meeting of party and government leaders with literary and artistic figures on March 8, 1963. Nov. mir. 34 no. 3-3-33 Mi '63

Trofimov, P.S. [Lenin's party spirit and realism in art, historical and theoretical sketches] *Leninskaya partinost' i realizm v iskusstve, istoriko-teoreticheskie etudy* Moskva, Sov. Khudozhnik, 1966 293 p.

## COMMUNISM AND LITERATURE

I lofty ideology and artistic craftsmanship are the great strengths of Soviet literature and art; Comrade N.S. Khrushchev's speech at a meeting of party and government leaders with literary and artistic figures on March 8, 1963. Nov. mir. 34 no. 3-3-33 Mi '63.

## COMMUNISM AND RELIGION

Communism and religion. P. Kalodnitskii, Agitator 10 no 56-61 Ag '62

## COMMUNISM AND SCIENCE

Podolskiy, V.L. [Marxist-Leninist philosophy and the exact sciences] *Marksyistko-leninskaya filosofiya i tochnye nauki* Kiev, 1963 37 p. (Tovarystvo "Znannya" Ukrain'skoi RSR Seriya I, no. 19)

## COMMUNISM AND SOCIETY

Work of the party in forming Communist social relations V.S. Semenov. Vop. ist. KPSS 11 no 1 87-108 Ja '67.

## COMMUNIST COMPETITION

(see also subdivision under Moscow)

Competition of the communist labor collectives and shock workers V.M. Koshchegov, Uch. zap. Kaf. sov. ekon. Vys. part. shkol'y no 3 92-96 '64

## COMMUNIST COUNTRIES—ECONOMIC CONDITIONS

[Economy of socialist countries, 1965] *Ekonomika sotsializma*, 1965 god. Moskva, Ekonomika, 1966 262 p.

## COMMUNIST COUNTRIES—FOREIGN ECONOMIC RELATIONS

Economic laws of the development of the world socialist system. I.U. Shitakov, B. Ledygla, Kommunist 43 no. 10, 1-102 Ja '67.

Strengthening the cooperation and mutual aid of socialist countries is the basis for the further consolidation of world socialist system S. Plaksin Vop. ekon. no. 12, 11-17 D '66

Trade between the East and West. I.U. Shipov, Mezhdunar. zhurn. 14 no. 1-4-1-16 '67.

## COMMUNIST COUNTRIES—FOREIGN RELATIONS—EUROPE, WESTERN

Stepping into 1967. Mezhdunar. zhurn. 11 no. 1-3-10 '67.

## COMMUNIST EDUCATION

(see also subdivision under Estonia; Moscow; Ukraine)

Communist convictions are distinguishing traits of V.I. Lenin's disciples L. Kotov Mol. komm., no. 4-18-20 Ap '61.

Conducting study groups for propagandists in districts L. Bernshein, Komm. Ukr. 11 no 12 67-70 D '66

District study groups are an important form of education of propagandists V. Fedorov Komm. Ukr. 11 no 12 71-73 D '66

Educate the rising generation in the spirit of communism. Sov. pedagog. 30 no. 6-3-10 Je '66.

[Fighters of the ideological front, sketches of the educators of the new man] *Boisly ideologicheskogo fronta; ocherki o vospitatelakh novogo cheloveka*, Tula, Priokskoe knizhnoe izd-vo, 1964, 205 p. (CSI-II)

Ideological and political training of the technicians and engineers educated in per-revolutionary schools during the first five-year plan L.I. Bolshoi Trudy LPI no 261 65-79 '66

Kalinikov, T.G. [Training of cultural workers in a communist attitude toward labor] *Vospitanie kommunistsicheskogo otnosheniia k tuudu u rabotnikov kul'tury*, [Mosva] Profizdat, 1966, 63 p. (Biblioteka prof. sluzhbovogo aktivista, no. 36(156))

Mamonov, I.S. [Factory and plant local committees and the communist education of the workers] *FZMK i kommunistsicheskoe vospitanie tuzhshchikh* [Mosva] Profizdat, 1965, 84 p. (Biblioteka prof. sluzhbovogo aktivista, no. 3(99)) (MIU)

Some problems concerning the communist education of youth during the building of communism. Kh. IA. Khabibulin. Trudy LPI no 261, 87-93 '66

We must bring up citizens, patriots, and soldiers. V. Golovkin Komm. Ukr. 41 no 1-19-26 Ja '67

We must pay more attention to the training of students. P. Puchenko Komm. Ukr. 41 no. 1-14-16 Ja '67

Why do we talk about ourselves? P. Skidov, Agitator 34 no. 1, 62 Ja '67.

## COMMUNIST ETHICS

About the good and truth. V. Sagatovskii, V mire knig 6 no 10, 9-10 O '66.

Communist moral education and Soviet anthropology Vop. ant. no 13-11 '60

Establishing the objective indicators of moral progress. V.I. Titarenko Vost. Moskv. un. Ser. 8; Filos. 21 no. 5, 21-73 S-O '66.

Ethics and the individual. A. Stetskin, Kommunist 43 no. 1-7-81 Ja '67

Kalits, Jolannes. [Friendship knows no boundaries] *Soprima d'onne plire* Tallinn, Eesti Raamat, 1966, 68 p. [In Estonian]

Kulikov, N.N. [Content and criterion of moral progress, a study in the field of philosophy and ethics] *Soderzhanie i kriterii nrayevnogo progressa, opyta filosoficheskogo issledovaniia problemy*, Moskva, Mysl', 1966, 85 p.

Propaganda of the demands of the moral code and military regulations. D. Sorokin Komm. Vost. zhurn. 34 no 10' 23-27 My '63

The standard of moral goodness I.U. Trofimenov Agitator 10 no 11-13 Ag '67

## COMMUNIST LABOR see Communist competition

## COMMUNIST NEWSPAPERS see subdivision under Germany

## COMMUNIST PARTIES

The basis of unity of the Communists of the world; on the anniversary of the Moscow conference L.G. Gilev, V. P. Polanski, Agitator 34 no 23 20-23 D '66

Strength of the labor movement lies in the unity of its members D. Bol'shev Mol. komm., no 4 27-34 Ap '61

Tactics of the struggle of Communists against monopolies of the capitalist state. V. Zagladin, A. Chelmev, Kommunist 13 no 16, 25-38 D '66.

The views of foreign communist parties on the unitary and federal form of the state. R.L. Manel's, Trudy TashGU no. 20, 25-21 '66.

## COMMUNIST PARTIES—BIBLIOGRAPHY see Bibliography—Communist Parties

## COMMUNIST PARTY see subdivision under Bulgaria; Estonia; France; Great Britain; Hungary; Mongolia; Poland; Spain; Ukraine, Western

## COMMUNIST PARTY OF THE SOVIET UNION

(see also subdivision under Abkhazia; Anna District; Estonia; Kharkov Province; Tashkent; Tiraspol; Moldavia)

Brief news. Vop. ist. KPSS 11 no. 1-151-156 Ja '67.

Development of Lenin's theory on the party in the program of the CPSU and documents of its 23d Congress. G.I. Shitakov Vop. ist. KPSS 11 no. 1 88-97 Ja '67.

Historical party memoirs F. Zhevakhov, Komm. Ukr. 41 no. 1-58-43 Ja '67.

Konoplev, B.L. [The party - inspirer and organizer of the victory of the Great October Socialist Revolution, March-October 1917] *Partin - vdokhnovitel' i organizator pobedy Velikoi Oktabr'skoi sotsialisticheskoi revoliutsii, mart-oktiaz' 1917 g.* Moskva, Izd-vo polit. lit-ry, 1966, 84 p. (Uchebno-metodicheskie posobia k izucheniu istorii KPSS) (CAOTU)

Party organizations and the economic reform. F. Tolboev, Kommunist 43 no. 1-37-46 Ja '67.

[Party's efforts to consolidate and develop socialist society. Strengthening of the country's defenses, 1937-June 1941; consultations and methodological advice] *Partiya v bor'be za uprochneniia i razvitiia sotsialisticheskogo obshchestva. Usilieni obrony strany (1937 god - iun' 1941 goda); konsultatsii, metodicheskie sovery*, [Mosva] Mosk. rabochi, 1962, 165 p. (V pomoshch' izuchalushchim istoriu KPSS, no. 14)



## COVAKRY, GUINEA--HOTELS, TAVERNS, ETC.— DESIGN AND CONSTRUCTION

Hotels in Guinea. I. Vakhutin, Stroil. i arkhitekt. Mosk., 12 no. 6 34-36 Je '63

## CONCENTRATION CAMPS see subdivision under Germany

## CONCEPTS

Development of concepts in the theory of learning. N. M. Verzhilin. Sov. psichol. 30 no. 12 53-63 D '66

## CONCRETE

Active organic additives to concrete. M. Khilgovich and others. Na Stroil. Ros., 7 no. 1128 N '66.

Comparison of the various methods of selecting the components of lime concrete. L. M. Kharkin. Shor. trud. ROSSNIIMS no. 21 3-17 '62

Effect of aggregates on properties of concrete. V. N. Puzanov. Stroil. i arkhitekt. Uzb. 6 no. 4 12-11 Ap '65.

Effects of moisture content on strength of concrete at various rates of loading. III. M. Bazhenov. Bet. i zhele. -bet. 12 no. 12 19-20 D '66

Obtaining lightweight aggregates from Shadelskiy traps and using them in the manufacture of concrete. B. S. Zaidenberg, G. S. Karakevich. Shor. trud. ROSSNIIMS no. 21 81-86 '62

Physicochemical characteristics of activated barchan sand and autoclaved sand-lime concrete with it as a base. A. V. Volzhenskii, D. D. Dzighila, B. N. Vinogradov. Izv. AN Turk. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk no. 5 16-51 '62.

Plastic concrete in hydraulic structures. V. I. Naekhi, N. N. Ostey-Volkov, I. V. Kamenskii. Plast. massy no. 9 66-68 '62

Quality control of concrete in precast concrete elements with the aid of ultrasonics. S. N. Kozlov, I. S. Koskin. Shor. trud. ROSSNIIMS no. 24 87-93 '62

Rigidity of elements of soil silicate concrete under bending from permanent stress. V. A. Pakhomov, Izv. vys. ucheb. zav., stroil. i arkhitekt. 9 no. 9 11-17 '66.

Use of limestone aggregate for high strength concrete. A. L. Kallshuk, V. N. Ginfuk, Vod. khoz. no. 4 172-178 '66.

## CONCRETE—CORROSION

Problem of increasing lifetime of buildings undergoing acid corrosion. V. K. Gorietskii. Prom. stroit. 44 no. 11 31-37 '66

Problem of lengthening life of reinforced concrete smokestacks. B. D. Pivnic. Prom. stroit. 11 no. 11 37-39 '66

Study of resistance of concrete and reinforced concrete structural elements of mineral fertilizer storage bins. A. P. Chetkov, V. P. Mitrokhin. Izv. vys. ucheb. zav., stroil. i arkhitekt. 9 no. 9 67-71 '66.

## CONCRETE—CURING

Dependence of process of firing clinkers on granulometric composition of raw mixture. A. A. Iokoi. D. D. Azel'kale, I. F. Ponomarev. Tsement 32 no. 6 7-8 N-D '66

Dialectic glass plastic alder in forms for extrusion wall panels. G. A. Chelshchenko, I. I. Solov'ev. Bet. i zhele. -bet. 12 no. 12 14-16 D '66.

Effect of temperature regime of rotary kilns on crystalline structure of clinkers. T. V. Ankeeva, V. V. Timashev, D. A. Saverchenko. Tsement 32 no. 6 9-11 N-D '66.

Heat treating of reinforced concrete frame structural elements using induction method. N. N. Danilov, B. M. Krasnovskii. Bet. i zhele. -bet. 12 no. 12 10-14 D '66.

## CONCRETE—FATIGUE

Increasing fatigue stress of concrete for precast hydraulic structures. B. F. Mikulovich. Trudy Gidropromekta no. 7 220-237 '62

## CONCRETE—HARDENING

Hardening of concrete at temperatures below freezing point. S. A. Mironov, B. A. Krylov, O. S. Ivanova. Bet. i zhele. -bet. 12 no. 12 1-4 D '66

## CONCRETE—TESTING

Monitoring the strength of concrete in structures. D. P. Minin, M. I. Mironov. Gid. stroit. 33 no. 7 15-17 JI '63

## CONCRETE—THERMAL PROPERTIES

Creep and heat resistance of cementless (plastic) concrete. V. I. Ilynskii, I. V. Kamenskii, Khim. prom. (Ukr.) no. 3 27-31 JI-5 '62.

## CONCRETE BEAMS

Calculating reinforced concrete girders of unequal span taking into account distribution of forces. A. A. Kal'nikskii. Bet. i zhele. -bet. 12 no. 12 25-27 D '66

Calculating the action of transverse forces. N. Kuznetsov. Stroil. i arkhitekt. 11 no. 8 32-33 Ag '63.

Experience gained in designing, manufacturing, and testing prestressed reinforced concrete bridge girders with 32.05 meter span. E. G. Teteruk and others. Bet. i zhele. -bet. 12 no. 12 16-18 D '66

Improvement of rigging, equipment, and designs of bridge girders with continuous reinforcement. V. P. Kamenskii, L. B. Molhas, L. E. Litvinov. Bet. i zhele. -bet. 12 no. 2 5-10 D '66

## CONCRETE BLOCKS

Practices in manufacturing the expanded concrete wall panels and blocks with line ash binder. V. V. Ivanov. Shor. trud. ROSSNIIMS no. 21 73-80 '62

## CONCRETE BLOCKS—TESTING

Growth of cement brick strength under early and brief heating. D. I. Gusev, Trudy NIIZIB no. 20 84-92 '61

## CONCRETE BRIDGES see Bridges, Concrete

## CONCRETE COLUMNS see Columns, Concrete

## CONCRETE CONSTRUCTION

From experience in building silos for storage of sugar. P. E. Follin. Prom. stroit. 11 no. 11 41-42 '66

Gave underground mines same type of railroad tracks as given to modern railroads above ground. G. I. Rybakun, V. P. Dudov, Shakhit. stroit. 10 no. 11 21-27 N '66

Good quality concrete mix for the construction industry. M. S. Brise. Stroil. i dom. mash. 8 no. 8 17-18 Ag '63.

Rapid building of chambers for fire-pneumatics stations. I. E. Kikul, G. N. Berzin. Shakhit. stroit. 10 no. 11 19-20 N '66

Recommendations of the Sixth Conference on Concrete and Reinforced Concrete (to be continued). Bet. i zhele. -bet. 12 no. 12 10-13 D '66

Some specific features of the architecture of buildings made out of asbestos cement panels. R. Abramova. Arkhitekt. SSR no. 7 23-28 '63.

Use of red-reinforced concrete in building houses. S. Sapozhnikova, I. Kozhevnikov. Stroil. stroit. 10 no. 11 23 '61

Using cementation for isolation of fire sections. P. G. Molotov. Gid. zhizn. no. 12 62-63 D '66

Window casements in construction of industrial buildings. E. A. Stetskov, Stroil. i arkhitekt. Uzb. 6 no. 4 6-7 Ap '65

## CONCRETE CONSTRUCTION—EQUIPMENT AND SUPPLIES

Combining with mechanical the over. I. A. Sukovskii, S. M. Vorogov. Stroil. i arkhitekt. Uzb. 7 no. 11 5-6 N '66

## CONCRETE CONSTRUCTION—FORMWORK

Supporting loading footways of for hoppers at the No. 1 "Krasnarmavskaya" Hydraulic Plant. N. M. Kozlovskii, S. L. Kilimov, Shakhit. stroit. 10 no. 11 21-23 N '66

## CONCRETE CONSTRUCTION—JOINTS

Hermetic sealing of joints of large-panel buildings. A. A. Zadenman, M. B. Sominskii. Stroil. i arkhitekt. 10 no. 10 16-18 O '66.

New designs of joints of precast reinforced concrete columns. A. Gurskii. Zhil. stroit. no. 12 15-18 '66

Study of seismic stability of horizontal joints of large-panel buildings of series 1-467 AS. S. V. Polshakov and others. Stroil. i arkhitekt. Uzb. 7 no. 11 1-1 N '66

## CONCRETE CONSTRUCTION—MAINTENANCE AND REPAIR see subdivision under Karaganda Basin

## CONCRETE DAMS

Effect of dynamic loads on concrete-earth spillway dams. I. N. Shecherbina. Trudy Gidropromekta no. 7 167-168 '62.

## CONCRETE FLOORS see Floors, Concrete

## CONCRETE INDUSTRY WORKERS

Concrete industry workers. V. Pleinev. V mlse knig 6 no. 11 23 N '66.

## CONCRETE MIXERS

Gasification of asphalt concrete mixers. A. Vakhutin. I. Ger. Avt. dor. 29 no. 12 12-13 D '66

Reducing mixing time of fine-grained mixes. A. I. Goldstein and others. Avt. dor. 29 no. 12 13-14 D '66

## CONCRETE MIXERS—PNEUMATIC DRIVING

Experience in using BM-60 pneumatic concrete mixers for mine shaft repairs. G. N. Zhilina, G. G. Ponomarenko, A. A. Karpenko. Shakhit. stroit. 10 no. 11 23-24 N '66.

## CONCRETE PILING

Methods of guaranteeing accuracy of driving of piles. A. Obolotin. Zhil. stroit. no. 10 18-18 '66.

## CONCRETE PLANTS—ACCOUNTING see subdivision under White Russia

## CONCRETE PLANTS—DESIGN AND CONSTRUCTION see subdivision under Yuzhno-Sakhalinsk

## CONCRETE REINFORCEMENT

Device for determining the degree of stress of a reinforcement rod. A. G. Molot, B. L. Katsovich. Transp. stroit. no. 12 51-52 D '61.

Devices for controlling tension of wire, strand, and rod reinforcement. V. T. D'achenko, P. I. A. D'achenko. Bet. i zhele. -bet. 12 no. 12 21-24 D '66.

Magnitude of stress acting on axial beam reinforcement at point of intersection with diagonal crack. I. L. Izotov. Izv. vys. ucheb. zav., stroil. i arkhitekt. 9 no. 9 1-8 '65.

Standardization of reinforcement in concrete products for large-panel residential buildings. P. Drazdov, V. Vakhutin, Zhil. stroit. no. 10 9-12 '66.

Success losses in the reinforcement of prestressed elements of lime concrete. R. V. Popov. Shor. trud. ROSSNIIMS no. 24 18-37 '62

Study of the anchoring of high-strength wire in fixed element made from fine-grained concrete. I. V. Nakhailov, I. M. Gorietskii. Trudy NIIZIB no. 20 111-127 '61

Study of the bond of wire reinforcement with concrete in vibration reinforced articles. A. A. Svetov. Trudy NIIZIB no. 20 126-111 '61

## CONCRETE REINFORCEMENT—WELDING (see also subdivision under Czechoslovakia)

Effect of resistance spot welding on the strength of reinforcement of periodic profiles. A. G. Sverchikov. Trudy Gidropromekta no. 7 251-260 '62

## CONCRETE ROADS see Roads, Concrete

## CONCRETE ROOFING see Roofing, Concrete

## CONCRETE SHIPS see Ships, Concrete

## CONCRETE SLABS

Experimental study of prestressed floor and ceiling slabs manufactured by a test vibration rolling method. G. H. Khalidukov. I. D. P. Ilin. Trudy NIIZIB no. 20 163-167 '61

Mastering the technology of manufacturing reinforced concrete slabs at the Lyubertskii Plant. I. M. Pivnic. Trudy NIIZIB no. 20 70-83 '61

Study of the compositions and thermal treatment of high-strength mortars and fine-grained concrete for prestressed reinforced concrete slabs. S. A. Alimov and others. Trudy NIIZIB no. 20 52-69 '61

## CONCRETE SLABS—TESTING

Experimental study of large-panel reinforced concrete slabs with reinforced fields between the ribs. R. N. Matveevskii, N. I. Katin. Trudy NIIZIB no. 20 168-211 '61

## CONCRETE WALLS

Wall panels under manufacture on a concreting machine. N. A. Kornev, A. A. Kudlayev, I. D. Hladchenko. Prom. stroit. 11 no. 11 19-21 '66

## CONCRETE WALLS—THERMAL PROPERTIES

Steam penetration through outside walls of buildings. L. K. Odel'skii. Izv. vys. ucheb. zav., stroil. i arkhitekt. 9 no. 9 83-98 '66.

## CONCRETE see subdivision under Lena Valley

## CONDENSATE OIL WELLS

(see also subdivision under Kara Kum; Krasnodar Territory)

Acoustical method for the low temperature separation of natural hydrocarbon gases. B. P. Mednikov. Trudy IGI 16 222-233 '62.

## CONDENSATION

Convective condensation level. I. P. Budilova, V. T. Ienshin. Trudy GGO no. 186 41-48 '66

## CONDENSATION PRODUCTS (CHEMISTRY)

Theoretical and experimental determination of the group hydrocarbon composition of a condensate by combustion in a calorimetric cylinder. Sh. M. Ismail-Zade. Azerb. neft. khoz. 42 no. 7 43-16 JI '63

## CONDENSERS (ELECTRICITY)

Determination of the heat resistance of condenser paper. L. M. Vaisman, E. N. Alronchik. Shor. trud. UKRNEB no. 7 110-111 '66.

Overloads and power losses in condensers in presence of upper harmonics. S. K. Medvedev. Elektrotehnika 37 no. 12 45-48 D '66.

## CONDENSERS (ELECTRICITY)—STANDARDS

Temperature stability of the capacitance of different design forms of standard condensers. A. L. Grokholskii, B. L. Kashcheev, N. F. Shmollov. Aviometriya no. 3 19-25 '66.

## CONDENSERS (STEAM)

Analytical method for determining economically optimum characteristics of the condensing units of turbine systems. D. M. Budilatskii. Energomashinoostroenie 8 no. 8 22-28 Ag '62

Comparative data on the values of experimental heat transfer factors in condensers. G. V. Nikolov. Energomashinoostroenie 7 no. 115-118 Ja '61.

Selection of material for condenser tubes with fresh-water cooling. L. D. Berman, E. S. Ginzburg. Elek. sta. 37 no. 11 23-30 N '66.

## CONDENSERS (STEAM)—DESIGN AND CONSTRUCTION

Problems in the thermal calculations of steam turbine condensers. L. D. Berman. Energomashinoostroenie 7 no. 118-122 Ja '61.

### CONDITIONED RESPONSE

- [illegible]





## COTAINERS (Continued)

Kolodny, K.S. [Oscillations of a liquid in a cylindrical vessel, method of measurement in the course of dynamics of articles.] *Kolodny K.S. Zhurnal teoreticheskoy i prikladnoy fiziki* 1964, 1:1-12, 13-14, 15-16, 17-18, 19-20, 21-22, 23-24, 25-26, 27-28, 29-30, 31-32, 33-34, 35-36, 37-38, 39-40, 41-42, 43-44, 45-46, 47-48, 49-50, 51-52, 53-54, 55-56, 57-58, 59-60, 61-62, 63-64, 65-66, 67-68, 69-70, 71-72, 73-74, 75-76, 77-78, 79-80, 81-82, 83-84, 85-86, 87-88, 89-90, 91-92, 93-94, 95-96, 97-98, 99-100, 101-102, 103-104, 105-106, 107-108, 109-110, 111-112, 113-114, 115-116, 117-118, 119-120, 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-144, 145-146, 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 159-160, 161-162, 163-164, 165-166, 167-168, 169-170, 171-172, 173-174, 175-176, 177-178, 179-180, 181-182, 183-184, 185-186, 187-188, 189-190, 191-192, 193-194, 195-196, 197-198, 199-200, 201-202, 203-204, 205-206, 207-208, 209-210, 211-212, 213-214, 215-216, 217-218, 219-220, 221-222, 223-224, 225-226, 227-228, 229-230, 231-232, 233-234, 235-236, 237-238, 239-240, 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685-686, 687-688, 689-690, 691-692, 693-694, 695-696, 697-698, 699-700, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 717-718, 719-720, 721-722, 723-724, 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741-742, 743-744, 745-746, 747-748, 749-750, 751-752, 753-754, 755-756, 757-758, 759-760, 761-762, 763-764, 765-766, 767-768, 769-770, 771-772, 773-774, 775-776, 777-778, 779-780, 781-782, 783-784, 785-786, 787-788, 789-790, 791-792, 793-794, 795-796, 797-798, 799-800, 801-802, 803-804, 805-806, 807-808, 809-810, 811-812, 813-814, 815-816, 817-818, 819-820, 821-822, 823-824, 825-826, 827-828, 829-830, 831-832, 833-834, 835-836, 837-838, 839-840, 841-842, 843-844, 845-846, 847-848, 849-850, 851-852, 853-854, 855-856, 857-858, 859-860, 861-862, 863-864, 865-866, 867-868, 869-870, 871-872, 873-874, 875-876, 877-878, 879-880, 881-882, 883-884, 885-886, 887-888, 889-890, 891-892, 893-894, 895-896, 897-898, 899-900, 901-902, 903-904, 905-906, 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1833-1834, 1835-1836, 1837-1838, 1839-1840, 1841-1842, 1843-1844, 1845-1846, 1847-1848, 1849-1850, 1851-1852, 1853-1854, 1855-1856, 1857-1858, 1859-1860, 1861-1862, 1863-1864, 1865-1866, 1867-1868, 1869-1870, 1871-1872, 1873-1874, 1875-1876, 1877-1878, 1879-1880, 1881-1882, 1883-1884, 1885-1886, 1887-1888, 1889-1890, 1891-1892, 1893-1894, 1895-1896, 1897-1898, 1899-1900, 1901-1902, 1903-1904, 1905-1906, 1907-1908, 1909-1910, 1911-1912, 1913-1914, 1915-1916, 1917-1918, 1919-1920, 1921-1922, 1923-1924, 1925-1926, 1927-1928, 1929-1930, 1931-1932, 1933-1934, 1935-1936, 1937-1938, 1939-1940, 1941-1942, 1943-1944, 1945-1946, 1947-1948, 1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 2269-2270, 2271-2272, 2273-2274, 2275-2276, 2277-2278, 2279-2280, 2281-2282, 2283-2284, 2285-2286, 2287-2288, 2289-2290, 2291-2292, 2293-2294, 2295-2296, 2297-2298, 2299-2300, 2301-2302, 2303-2304, 2305-2306, 2307-2308, 2309-2310, 2311-2312, 2313-2314, 2315-2316, 2317-2318, 2319-2320, 2321-2322, 2323-2324, 2325-2326, 2327-2328, 2329-2330, 2331-2332, 2333-2334, 2335-2336, 2337-2338, 2339-2340, 2341-2342, 2343-2344, 2345-2346, 2347-2348, 2349-2350, 2351-2352, 2353-2354, 2355-2356, 2357-2358, 2359-2360, 2361-2362, 2363-2364, 2365-2366, 2367-2368, 2369-2370, 2371-2372, 2373-2374, 2375-2376, 2377-2378, 2379-2380, 2381-2382, 2383-2384, 2385-2386, 2387-2388, 2389-2390, 2391-2392, 2393-2394, 2395-2396, 2397-2398, 2399-2400, 2401-2402, 2403-2404, 2405-2406, 2407-2408, 2409-2410, 2411-2412, 2413-2414, 2415-2416, 2417-2418, 2419-2420, 2421-2422, 2423-2424, 2425-2426, 2427-2428, 2429-2430, 2431-2432, 2433-2

## CORN (MAIZE)—FERTILIZERS AND MANURES (Continued)

**Mumsherskiy, E. L.** [Physiological characteristics of root feeding of different corn varieties in the non-Chernozem zone, physiological essays on variety] *Fiziolicheskie osobennosti kornevogo pitaniya raznykh sortov kukuruzy v nechernozemnoi poloshe, ocherki fiziologii sorta*. Moskva, Nauka, 1966, 149 p. (DNL)

1. Effect of corn grain as related to the rates of fertilization and humus. M. M. But, 1966, 10 p. *Kukurnikovo khimicheskoe i no 12-10-10* 1966

## CORN (MAIZE)—GENETIC RESEARCH (see also subdivision under Moldavia)

Some problems of experimental ontogenesis in corn. V. N. Izrael, *Sel'khoz biol.* 1 no. 6:787-789 '66.

## CORN BREEDING

(see also subdivision under Moldavia; Volga-Akhkha Floodplain)

Hereditary heterogeneity of self-pollinated lines and corn hybrids. U. G. Salina, *Gen. i sel'sk. khim.* 1 no. 1:152-159 '66

## CORN PICKING MACHINERY

Corn picking apparatus for corn harvesting combines. V. P. Solov'yukin, V. I. Lavrik, *Trakt i sel'khoz mash.* 12:17-19 D '66

## CORONARY HEART DISEASE

Cardiogenic hemodynamic changes in acute disorders of coronary circulation. V. V. Dolukhin, *Trudy Inst. im. N. V. Sklif.* 7:210-212 '63

Characteristics of the course of experimental coronary insufficiency in aged animals. N. S. Veitshatskiy, *Pat. fiziol. i eksp. ter.* 10 no. 3:78-79 '64.

Clinical and anatomical characteristics of acute coronary insufficiency in sudden death. T. A. Nadiashkina, *Trudy Inst. im. N. V. Sklif.* 1:181-193 '63

Kolesov, V. I., ed. [Surgical treatment of coronary heart disease] *Khirurgicheskoe lechenie koronarnoi boleznii serdtsa*. [Leningrad] Meditsina, 1966, 260 p. (DNL)

Pathological reactions of cardiac vessels. U. S. Chechurin, *Trudy Inst. im. N. V. Sklif.* 7:212-219 '63.

Rate of the expansion of the pulse wave as a method for the evaluation of the degree of atherosclerosis in coronary insufficiency. G. A. Pafomov, *Trudy Inst. im. N. V. Sklif.* 7:180-183 '63

Surgical treatment of coronary insufficiency. V. I. Kuznetsov, *Trudy Inst. im. N. V. Sklif.* 7:195-198 '63

## CORONARY VESSELS—DISEASES

Effect of potassium salts in coronary atherosclerosis. V. A. Mikhailov, *Sov. med.* 20 no. 12:76-79 D '66

## CORONARY VESSELS—SURGERY

Plastic surgery on the coronary vessels. V. P. Demukhov, *Trudy Inst. im. N. V. Sklif.* 7:210-212 '63

## CORPULENCE

Gas exchange in obese animals following introduction of a pituitary preparation adipoin. N. A. Fischenko, *Probl. endok. i gorm.* 9 no. 1:37-14 Jan '63

## CORRELATION (STATISTICS)

Classification and main principles, regression mathematical analysis of natural regularities in the distribution of elements. G. S. Potovoy, *Zap. LGU* 50 no. 2:95-103 '66

An example of the distribution of ore reserves in polymetallic deposits. D. N. Safonov, *Zap. LGU* 50 no. 2:104-112 '66

Partial coefficients of correlations in geochemical prospecting. I. M. Gorbunova, I. N. Kapkov, *Zap. LGU* 50 no. 2:117-120 '66

Studying the relationship between the work indices and the use of lifting stock by methods of correlation analysis. O. V. Bakushkina, *Trudy VNIIT* no. 240:95-11 '66

## CORRESPONDENCE SCHOOLS AND COURSES

Correspondence institutions of higher education wait for new students. *Zemledelie* 28 no. 10:60-62 O '66

Work and study. K. V. Rabin, *Zemledelie* 28 no. 10:65-66 O '66

Provide agriculture with highly-qualified agronomists. M. A. Soboleva, *Zemledelie* 28 no. 10:63-64 O '66

Study without breaking with production. V. I. Shinin, *Zemledelie* 28 no. 10:62-63 O '66

Where an agronomist may learn by correspondence. *Zemledelie* 28 no. 10:68-70 O '66

## CORROSION AND ANTICORROSIVES

Anticorrosive action of benzothiazole and its derivatives in neutral and acid media. T. G. Mezumova, V. P. Dobrovolskaya, V. P. Baranovskiy, *Ukr. khim. zhur.* 32 no. 12:1361-1364 '66.

Anticorrosive action of sodium salts of mono- and dibasic organic acids. N. K. Shmel'ova, V. P. Baranovskiy, *Dop. AN URSS* no. 11:1485-1488 '62

Applying anticorrosive coatings by the metal-coating method. V. L. Vinitskiy, *Mont. i spets. rab. v st.* 25 no. 8:24-26 Ag '63.

Effect of construction materials of core surface on activity of corrosion products. A. P. Veselkin, O. I. Shakh. *Atom. energ.* 21 no. 6:462-463 D '66

Experience in utilizing formation and drainage waters, and preparation of water for flooding. A. A. Shukh-baev, *Neftonom* 10 no. 12:26-31 '66.

Inhibitive mixtures based on the by-products of the manufacture of additives SH-7, A-NH-7. V. F. Negrebov, A. M. Kulev, L. A. Mamedov, *Dokl. AN Azerb. SSR* 19 no. 2:7-9 '63

Method for the evaluation of corrosive properties of reeds and the effectiveness of anticorrosive additives. P. S. Chushechikov and others, *Khim. i tekhn. topl. i masl.* 11 no. 12:31-36 D '66

Particular features of iron passivation in sulfate solutions. I. L. Luchman, I. A. M. Kolesovskiy, *Dokl. AN SSSR* 171 no. 5:1118-1121 D '66

Some aerosol inhibitors of cast-iron and steel corrosion in water. T. H. Nozomova, V. P. Baranovskiy, *Dop. AN URSS* no. 11:1151-1151 '66

Use of anodic plasma in treatment of steel corrosion. A. I. Kuznetsov, P. V. Ivanov, *Ukr. khim. zhur.* 32 no. 12:1752-1753 '66.

## CORROSION AND ANTICORROSIVES—CONGRESSES

*Nauchno-issledovatel'skii institut betona i zhelezobetona*. [Protecting structural elements from corrosion, materials of a coordinating conference] *Zashchita stroytel'nykh konstruktov ot korrozii, materialy koordinatsionnogo soveshchaniya*. Pod red. V. M. Moskvina i V. M. Medvedeva. Moskva, Stroizdat, 1966, 250 p.

## CORTICIDS see Corticosteroids

## CORTICOSTEROIDS

Effect of corticosteroid hormones on NADH<sub>2</sub> oxidase activity in brain and heart mitochondria of rats. A. N. Ponomarev, A. Ponomarev, *Ukr. biokhim. zhur.* 38 no. 6:567-572 '66

## CORTIS ORGAN—INNERVATION

Achnergic innervation of Cortis organ. I. A. Vinitskiy and others, *Dokl. AN SSSR* 171 no. 9:181-186 N '66

## CORTISOL—PHYSIOLOGICAL EFFECT

Phosphorylase kinase of the cellular fractions of the renal cortical substance and the effect of hydrocortisone on the activity of this enzyme. M. S. Usatenko, *Vop. med. khim.* 12 no. 6:634-645 N-D '66.

## CORTISONE

Effect of corticosteroid hormones on NADH<sub>2</sub> oxidase activity in brain and heart mitochondria of rats. A. N. Ponomarev, A. Ponomarev, *Ukr. biokhim. zhur.* 38 no. 6:567-572 '66

Effect of cortisone on the course of infectious process in white mice infected with pathogenic microbes. G. V. Hishchenko and others, *Zhurn. mikrobiol. i epid. i immunit.* 33 no. 6:311-314 Je '62

Pathomorphological characteristics of the effect of cortisone on local aseptic inflammation. V. V. Nekhnalov, *Az. biol. zhur.* no. 5:26-32 Ag '62.

Treatment of ichthyomastitis pneumonia with cortisone and its effect on the *Provazaki-Halberstaedter* corpuscles. I. A. Aleva, *Az. biol. med. zhur.* 10 no. 3:34-38 Mr '63.

Various pathogenetic mechanisms of the pyretic reaction under the effect of streptococcal antigens. V. I. Pytskiy, *Biol. eksp. i med. i med.* 55 no. 5:69-73 My '63.

## CORTISONE—THERAPEUTIC USE

Preventive and therapeutic effect of ACTH and cortisone in isolation therapy with mercuric preparations. A. V. Kuznetsov, M. I. Remizova, *Trud. LPMI* no. 32:62-65 '67.

## CORTISONE—TOXICOLOGY

Changes in phosphorus and carbohydrate metabolism of erythrocytes in healthy rabbits under the influence of cortisone. B. S. Berezovskiy, *Probl. endok. i gorm.* 9 no. 1:7-12 Jan '63

## CORUNDUM

Transparent polycrystalline corundum ceramics. I. V. Degtyareva, *Izv. AN SSSR, Neorg. mat.* 2 no. 11:2638-2641 N '66

## CORUNDUM CRYSTALS—ANALYSIS

Use of acoustic thermal method in analyzing corundum single crystals. J. Knapik, V. Kozak, C. Barth, *Rost. i izot.* 1:166-172 '63.

## CORUNDUM CRYSTALS—DEFECTS

Interference method for studying homogeneity of synthetic corundum crystals. V. S. Doludagina, I. E. Berezina, *Rost. i izot.* 5:102-109 '65.

Use of shadow polarizer in studying homogeneity of corundum. V. S. Doludagina, I. E. Berezina, *Rost. i izot.* 5:101-103 '65.

## CORUNDUM CRYSTALS—GROWTH

Large-area corundum single crystals. C. Barth, *Rost. i izot.* 8:281-284 '65

Some results of studying homogeneity of synthetic corundum crystals by interference method. V. S. Doludagina, I. E. Berezina, N. P. Tikhonova, *Rost. i izot.* 5:110-117 '65.

## COSMETICS

Process of dispersion of emulsion creams of "water-oil" type. E. I. Pashkina, D. V. Shevchagina, L. B. Sherman, *Trudy VNIISD* V no. 7:133-140 '66.

## COSMIC RAYS

Barometric effect of cosmic rays allowing for changes of initial spectrum and cosmic-ray cutoff. L. I. Dorman, *Geomag. i aer.* 6 no. 6:1046-1049 N-D '66.

Distribution of concentration and density of particle flux in vicinity of small body moving in a fixed plasma. V. S. Kuznetsov, A. M. Kuznetsov, *Geomag. i aer.* 6 no. 6:997-1007 N-D '66

Distribution of cosmic rays and receiving vectors of detectors. Part 1. G. E. Kravtsov and others, *Geomag. i aer.* 6 no. 6:991-995 N-D '66

Long-wave cosmic radio wave emission in the interplanetary space. V. I. Gilyas, *Vest. AN SSSR* 16 no. 12:27-32 D '66

Quasi-spiral character of change in 31-day variation of cosmic rays with solar activity. M. V. Alania, L. I. Dorman, L. Kh. Shakhshvili, *Geomag. i aer.* 6 no. 6:1088-1100 N-D '66

Radio source 94Q-1 as possible injector of cosmic rays. V. N. Kuznetsov, *Astron. zhur.* 43 no. 6:1317-1318 N-D '66

Seasonal changes of solar diurnal and semidiurnal cosmic ray variations. L. I. Dorman, P. V. Kozlovskiy, G. A. Sergeeva, *Geomag. i aer.* 6 no. 6:1101-1103 N-D '66

Stream of slow neutrons in atmosphere. V. D. Sokolov, *Geomag. i aer.* 6 no. 6:1107-1109 N-D '66.

## COSMOGONY

Disturbance of CP-invariance, C-asymmetry and baryon asymmetry of the universe. A. D. Sakharov, *Pis'ma v zh. ekspt. i teoret. fiz.* 5 no. 1:32-35 Ja '67

## COSMOLOGY

Philosophical problems in the theory of relativity and relativistic cosmology. I. M. Kanak, I. U. B. Melchakov, *Vop. filoz.* 20 no. 12:149-144 '66

## COSSACKS see subdivision under Southern Bug Valley

## COST ACCOUNTING

Improving the methods of planning and calculating costs in work relating. A. V. Baranovskiy, N. P. Kuznetsova, *Gos. zhur.* no. 11:2-17 N '66

## COST AND STANDARD OF LIVING

(see also subdivision under Ural Mountain region)

Klukov, A. L. [Public consumption funds in the personal budgets of the workers] *Obshchestvennye fondy potrebleniya v lichnom budzhetе truditschikh*. [Kahn] Kaluzhskoe knizhnoe izd-vo, 1963, 68 p. (NIC)

Method for calculating differentiation in the living standard of families taking into consideration differences in sex and age. V. A. Rubins, E. M. Ponomareva, *Ekonom. i mal. metod.* 2 no. 6:430-435 N-D '66.

## COSTS, INDUSTRIAL

Economic reform and some problems of determining costs and profit in industry. D. Valashenko, *Vest. stat.* 13:12-19-23 '66

Problems of comparing the socially necessary expenditure of labor on the basis of cost in fuel producing branches. V. N. Mironov, *Trudy INKIS* no. 18:101-118 '65

## COTTON

(see also subdivision under Soviet Central Asia)

Effect of herbicides on the technological quality of raw cotton and cotton fibers. M. S. Makhmal, *Trudy Un. druzh. nar.* 14, *Sel'khoz. nauki* no. 1:139-141 '66

Reaction of cotton to the change in photoperiodic conditions in ontogenesis. M. G. Shmuglikin, I. U. Zakov, *Sel'khoz. biol.* 1 no. 6:820-825 '66.

Some observations on the anatomical and microchemical changes in the style of *Gossypium hirsutum* L. during fertilization. I. U. V. Klukovina, *Sbor. trud. asp. i mol. nauch. sot. VIR* no. 2:224-225 '61.

## COTTON—DISEASES AND PESTS

We eliminated the danger. V. Antikina, *Zashch. rast.* 11 no. 12:10 '66.

## COTTON—FERTILIZERS AND MANURES

(see also subdivision under Zhitomir Province)

Dynamics of nitrate nitrogen in the cellular sap of cotton and the yield of cotton. D. B. Chakrabarti, *Trudy Un. druzh. nar.* 14, *Sel'khoz. nauki* no. 1:135-138 '66.

Effect of various forms of nitrogen fertilizers on the yield and physical and mechanical properties of the fibers of fiber cotton. B. V. Lesik, *Pochv. ust. i efek. udob.* no. 1:93-102 '67.

## COTTON—IRRIGATION

Automation of the pumping of water for cotton irrigation. V. V. Mazayev, *Nauch. trudy UZNIIE* no. 5:43-47 '59.

## COTTON BREEDING

Methods of the pollination of cotton in crossbreeding. I. U. V. Klukovina, *Sbor. trud. asp. i mol. nauch. sot. VIR* no. 2:227-228 '61.

## COTTON GROWING

Some requirements for a self-propelled chassis used on irrigated cotton farms. S. V. Amplevskiy, M. S. Pak, *Nauch. trudy UZNIIE* no. 5:3-7 '59.

**COTTON INDUSTRY—MANAGEMENT** see subdivision under *Textile Industry*

**COTTON MANUFACTURE** see subdivision under *Europe, Eastern; Linnian*

**COTTON MANUFACTURE—ACCOUNTING**

Improvement in the accounting of cotton manufacturing enterprises. P. F. Gerasimov. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 27-30 N '66

**COTTON MANUFACTURE—MANAGEMENT**

Perish, D. I. [Organization and planning for cotton manufacturing production]. Organizatsiya i planirovaniye khlopkovomuzhicheskogo proizvodstva. Moskva, Legkaya industriya, 1966, 303 p.

**COTTON-PICKING MACHINERY**

Study of the nature of the distribution of cotton losses during the cotton picking with automatic machines. T. A. Mikhaylov. *Nauch. trudy UzbSSR* 11 33-36 N '66

**COTTON SPINNING**

Method in determining the arrangement of individual fibers in the analysis of draw-silver. M. V. Kraschova, B. V. Volodimirov. *Trudy Moskv. nauch.-issl. inst. vuzov* 12 24-30 D '66

**COTTON WASTE**

Study of the nature of the cotton plant waste material for the production of cardboard. A. I. Mikhaylov. *Trudy Moskv. nauch.-issl. inst. vuzov* 7 30-31 N '66

**COTTONSEED OIL**

Hydrogenation of cottonseed oil on nickel-chromium catalyst on coal in an autoclave with intensive mixing. N. M. Popov and others. *Trudy Moskv. nauch.-issl. inst. vuzov* 14 192-199 '66

Usefulness of cottonseed oil as a solvent for glycerolides. A. I. Belyaev. *Trudy Moskv. nauch.-issl. inst. vuzov* 12 170-72 D '66

**COUMARINS**

Platanol, a new coumarin from *Platanus latifolia*. G. A. Kuznetsov and others. *Khim. prirod. soed.* 10 310-315 '66

**COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE** see *Mutual economic assistance council*

**COUNTING DEVICES**

Summation of signals by multichannel capacitive storage device. L. A. Zhuravlev. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 1282-1284 N '66

**COUNTRY LIFE IN LITERATURE**

Vinogradov, L. I. [Responsible to the times, notes on the rural sketch of the fifties]. V pivo u vremeni, zametki o deystvennom ocherke pilsdesiatykh godov. Moskva, Sov. pisatel', 1966, 191 p.

**COUPLINGS—TESTING**

Testing contact pressure of couplings under cyclic loads. G. Roshlin. *Sudostroenie* 28 no. 12 43-49 D '62

**COURAGE—BIBLIOGRAPHY** see *Bibliography—Courage*

**COURBET, GUSTAVE, 1819-1877**

Tikhomirov, A. N. [Gustave Courbet]. Gluslav Kurbe. [Moskva, Izkustvo, 1955] 160 p., illus. (MK)

**COURTS**

(see also subdivision under *Lithuania*)

Boldyrev, V. A. [Soviet courts]. Sovetskii sud. Moskva, Iurid. lit-ra, 1960, 108 p.

**COURTSHIP**

About love. O. Zernala. Sem'la i shkola 21 no. 11-6-8 N '66

**COVERTOUSNESS** see *Avarice*

**COW PARSHIP**

Biology of the germination of seeds of *Heracleum sosnowskyi* Manden. I. A. Ivanova. *Blud Glav. bot. sada* no. 63 66-73 '66

**COWS**

Content of calcium and inorganic phosphorus in the blood serum of some breeds of heifers. A. M. Melnina. *Sel'khoz. biol.* 1 no. 6 900-903 '66

Effect of foot-and-mouth disease on the reproductive functions in cows. V. I. Andrievskii, I. P. Red'kin. *Veterinariia* 43 no. 1 84-86 Ja '67

Insemination dates for cows after delivery. D. D. Logvinov. *Veterinariia* 43 no. 12 71-73 D '66

Results of the field testing of some methods for the diagnosis of the pregnancy of cows. A. N. Akhmedov, G. T. Vasil'ev. *Veterinariia* 43 no. 1 77-78 Ja '67

Taking cervical mucous samples from cows. N. N. Mikhailov, M. A. Luchko, Z. S. Konnova. *Veterinariia* 43 no. 1 80 Ja '67

**COWS—DISEASES AND PESTS**

Changes in the wall of the urinary bladder of cows in chronic hematuria. V. N. Golovach, A. M. Lemishko. *Veterinariia* 43 no. 12 63-64 D '66

Complications in cows after foot-and-mouth disease. G. F. Bondaruk and others. *Veterinariia* 43 no. 1 45-47 Ja '67

Mutual aid in prolapse of the vagina in cows. V. K. Tolstov. *Veterinariia* 43 no. 11 75-76 N '66

Treating mastitis caused by foot-and-mouth disease. A. T. Matichuk, V. A. Fortushnyi. *Veterinariia* 43 no. 1 86-88 Ja '67

Treatment of gynecological diseases in cows. A. A. Dolmatov. *Veterinariia* 43 no. 11 74-75 N '66

Using pregnant mare's serum to stimulate the reproductive function in cows. N. M. Razantseva, A. A. Syrovatka. *Veterinariia* 43 no. 11 72-73 N '66

**COXSACKIE VIRUSES**

Complement fixation reaction to group A coxsackie viruses and methods of preparing antigens. V. N. Smirnova. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 36-37 N '66

Effect of physical influences on the prescription of infections. V. D. Solov'ev. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Immunofluorescence method for detecting coxsackie A7 virus in tissues from organs of orally infected newborn cotton rats. N. A. Zaitseva, N. V. Ovsinnikova, M. M. Gaidarb. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Interaction of Coxsackie and poliomyelitis viruses in experiments on monkeys. V. D. Solov'ev, I. M. Men'kovskii, N. R. Gutman. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Method of obtaining polyvalent sera against Coxsackie and FC10 viruses. Z. F. Zubova, N. M. Gordinenko, I. R. Borutskaya. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Mixed infection of mice with influenza virus A2 and coxsackie virus B1. L. A. Zakot'skaya and others. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Some criteria for the detection of correlations between bacterial and viral diseases. Report No. 1. Bacteria of the Escherichia coli group as absorbents of enteroviruses. A. C. Cassel, K. G. Medvedevskaya, L. N. Zhuravskaya. *Zhurn. mikrobiol., epid. i immun.* 43 no. 11 63-73 N '66

Use of various laboratory animals in obtaining type-specific sera against group A Coxsackie viruses. N. M. Gordinenko, Z. F. Zubova, I. R. Borutskaya. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Use of various laboratory animals in obtaining type-specific sera against group A Coxsackie viruses. N. M. Gordinenko, Z. F. Zubova, I. R. Borutskaya. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

Use of various laboratory animals in obtaining type-specific sera against group A Coxsackie viruses. N. M. Gordinenko, Z. F. Zubova, I. R. Borutskaya. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

**COXSACKIE VIRUSES—CULTURES AND CULTURE MEDIA**

Phenomenon of interference of enteroviruses in experiments on tissue cultures. Report No. 2: Use in capacity of interfering agent of noncytopathogenic viruses. L. M. Men'kovskii. *Trudy Moskv. nauch.-issl. inst. vuzov* 11 30-31 N '66

**CRACKING PROCESS**

Chemical crystallization of coke in destructive processes. M. F. Levinov, G. M. Panchenkov. *Zhurn. fiz. khim.* 40 no. 11 2631-2638 N '66

Concentration of hydrocarbons in hydrocracking under low pressure. I. A. Katsobashvili, E. I. El'bert, Khim. i tekhn. i masel. 11 no. 11 16-17 N '66

Investigating the aromatic hydrocarbons contained in catalytic cracking naphtha. N. M. Indukov and others. *Neftekhimika* 3 no. 5 868-871 S-O '63

Kinetics of the formation of coke during the cracking of the group components of petroleum residues. M. E. Lavintser and others. *Khim. i tekhn. i masel.* 11 no. 11 25-27 N '66

Some economic aspects of the production of aromatic hydrocarbons from crude oil. B. A. Brunshteln, V. L. Khimenko, S. F. Rikubukhova. *Khim. i tekhn. i masel.* 12 no. 12 880-881 D '66

Studying the kinetics of the conversion of hydrocarbons during the second step of hydrocracking of vacuum gas oil. L. N. Osipov, V. A. Khavkin. *Khim. i tekhn. i masel.* 12 no. 12 14-17 D '66

**CRANES, DERRICKS, ETC**

(see also subdivision under *Germany, West*)

Dubovskii, K. N. [Tower crane operator]. Mashinist bashennogo krana. Moskva, Stroizdat, 1966, 238 p.

Erecting transport crane with semiautomatic hydraulic lift. O. V. Ivanikov. *Mont. i spets. rab. v stroit.* 20 no. 12 11-13 D '66

Extending the service life of crane cables. P. A. Samoilovich, A. A. Biskalov, N. N. Nikolaeva. *Trudy LITV* no. 62 84-89 '65

Modernization of SBK-1 tower cranes. A. I. Aliporovich, V. I. Pollakov. *Stroitel. i dor. mash.* 6 no. 1-5 Jo '63

Modernizing the jibs of the "Appel'vazh" cranes. B. Zhekmunskii. *Rech. i transp.* 21 no. 7 140-21 Ji '62

Nezvorov, L. A., and G. B. Kiz'jakov. [New KB-series tower cranes]. Novye bashennyye krany serii KB. Moskva, NIInformatsionno-dorozhnoyemash, 1965, 79 p. (Seria 1: Stroitel'nye i dorozhnye mashiny)

New technology for unloading coal. V. P. Popenko. *Rech. i transp.* 21 no. 7 50 Ji '62

Recent developments in the construction technique. Stroitel'nyi Len. 25 no. 5 38 My '63

The second life of tower cranes. O. N. Podkolzin. *Stroitel. i dor. mash.* 6 no. 8 32 Ag '63

Stack tracks for tower and gantry cranes. S. M. Tolstov. *V. D. Solov'ev. Mont. i spets. rab. v stroit.* 20 no. 11 17 Ag '63

Structural layout of wide-span roofs of industrial building with bridge cranes suspended from overhead. B. A. Spitsnaki. *Prom. i stroyt.* no. 3-4 '61

**CRANES, DERRICKS, ETC —BRAKES**

Improvement in the design of job machine of self-propelled crane. A. L. Kodkin. *Rech. i transp.* no. 5 29-30 My '66

**CRANES, DERRICKS, ETC —DESIGN AND CONSTRUCTION**

Location of bridge crane without use of tower. A. P. Tolstov. *Prom. i stroyt.* 11 no. 11 32-33 '66

Location of control instruments on cranes. N. I. Shchegolev. *Rech. i transp.* 21 no. 5 11-12 My '61

**CRANES, DERRICKS, ETC —ELECTRIC DRIVING**

Operational improvement of 15-ton floor-type electric machine. V. P. Pogorelov and others. *Stroitel. i dor. mash.* 6 no. 10 95-107 D '66

**CRANES, DERRICKS, ETC —EQUIPMENT AND SUPPLIES**

Lighter at the range of truck crane jibs. G. R. Mikhaylov. *Rech. i transp.* 21 no. 5 41 My '63

Steel-aluminum girder bridge. I. I. Mal'cev. *Vest. mashinostroyt.* 16 no. 12 11-12 D '66

**CRANES, DERRICKS, ETC —SAFETY MEASURES**

Eliminate the causes of accidents with load hoisting machinery. P. N. Vorob'ev. *Rech. i transp.* no. 5 10-11 My '63

**CRANES, DERRICKS, ETC —STANDARDS**

All-Union State Standards and the standardization of automotive jib cranes. P. A. Zhilin. *Mosk. inzh. i stroyt.* 25 no. 8 14-16 Ag '63

**CRANIAL NERVES** see *Nerves, Cranial*

**CRANIOLOGY**

Application of mathematical methods in craniology. M. S. Kuzhikova. *Voprosy* no. 4 11-12 '60

Horizontal profile of the lateral part of the skull in modern and ancient man. V. P. Iakubov. *Voprosy* no. 4 11-12 '60

Typical patterns of cranial structure in man and apes. K. A. Kuznetsov. *Voprosy* no. 4 34-61 '60

**CRANKS AND CRANKSHAFTS**

Calculation and establishment of the axis of the crankshaft of motor with multiple machines. L. M. Ikhillo, A. P. Ikhillo, N. D. Monobidov. *Prom. i stroyt.* no. 1 13-16 Ja '61

**CHAWLER TRACTORS—DYNAMICS**

Analysis of forces acting on a crawler tractor in turning. M. S. Gorbunov, P. V. Chernin. *Zap. LSKH* 96 75-81 '65

Distribution of normal loads along the supporting surface of a crawler tractor in turning. E. V. Chernin. *Zap. LSKH* 96 83-88 '65

Resistance to the turning of a crawler tractor. P. A. Ikhillo, N. G. Sidorov. *Zap. LSKH* 96 89-91 '65

**CRAYFISH**

(see also subdivision under *Lithuania*)

Contractile proteins in crayfish muscle. V. V. Uspenskiy, T. P. Seibrenikova. *Mikrokhimika* 28 no. 2 224-231 N '63

**CREAM SEPARATORS**

Quality of the manufacture of the diaphragm of the bowl of cream separators. M. I. Isakadze. *Trakt. i sel. khim.* no. 12 23-25 Ji '66

**CREATINE KINASE**

Creatine kinase of blood serum in rabbits with development of myocardial infarction. I. P. Pladashina. *Ukr. biokhim. zhurn.* 38 no. 6 608-613 '66

**CREATIVE ACTIVITIES AND SEAT WORK**

Our guest, the periodical "Modelist-Konstruktor." Sem'la i shkola 21 no. 11 60-62 N '66

**CREDIT**

Credit resources of the bank. A. Melkov. *Den. i kred.* 24 no. 12 14-23 D '66

Moskovskii institut narodnogo khoziaistva, Kafedra ekonomicheskoi i kreditnoi. [Practical assignments in issuing credit]. Prakticheskie zadaniya po kreditovaniyu. Moskva, Pt. 2, 1962, 78 p.

**CREEP OF CONCRETE**

Calculating the reinforced concrete constructions of landing structures taking into account their creep. O. V. Palchinskii. *Trudy SojuzdortNIIP* oekt. no. 9-05-16 '63

## CREEP OF CONCRETE (Continued)

Creep and resistance of cementless (plastic) concrete. V. I. Ilyinskii, I. V. Kamen'skiy. Khim. prom. (Msk.) no. 3:27-31. 31.5. '62.  
Creep of concrete under biaxial compression. I. P. Suvorov. Izv. vuz. ucheb. zav. i. inst. i. tekhn. 9 no. 9:6-10. '66.

## CREEP OF MATERIALS

Creep of half-space from two-phase soil due to forces applied normally to boundary. I. U. K. Zaitsevskii, I. V. An. Arm. SSR. Mekh. 19 no. 2:10-59. '66.  
Creep under varying stresses. G. I. Bryzgalin. PMTF no. 3:73-77. My-Je. '62.  
Effect of the creep of material on stress concentration around a circular hole in a plate. I. P. Khodorov. Fizika, in print, no. 1:299-304. '65.  
Effect of ultrasonic waves on creep of LiF single crystals. Part 2. I. A. Hindin and others. Ufa. fiz. zhurn. 11 no. 11:243-246. N. '66.  
Nonsteady zero-moment creepage of shells of revolution. R. M. Khakostan. Izv. AN Arm. SSR. Mekh. 19 no. 2:57-62. '66.  
Stability of circular cylindrical shells in creep. I. P. Kuznetsov, L. M. Kurshin. PMTF no. 3:66-72. My-Je. '62.

## CREEP OF STEEL

Performance study of disks of GT-700-4 turbo-unit under conditions of steady creep. V. D. Dobokhotov and others. Gaz. prom. 11 no. 11:21-21. '66.

## CRISOL

Alylation of a p-cresol concentrate using pyrolysis gas to obtain an antioxidant-jewel additive. A. N. Bodon, I. V. Kachim. Neft. i. gaz. prom. no. 3:56-60. Ji-5. '63.  
Condensation of camphene with o-cresol in the presence of various catalysts. L. A. Kheifits, L. M. Shulov, I. I. Gavrilova. Tруды VNIISNDV no. 7:51-56. '65.  
Use of the preparation PS-7 for external treatment in some skin diseases. G. I. A. Shatupova and others. Vest. dermat. i. ven. 12:61-66. '62.

## CRETE—INSCRIPTIONS

Undeciphered inscriptions of Crete. V. V. Shevoshkin. Vop. ist. 41 no. 12:209-212. D. '66.

## CRIME AND CRIMINALS

(see also subdivision under Gorky; Moldavia)  
Criminal responsibility for the unauthorized cutting of timber. G. L. Krigei. Sov. iust. 30 no. 23:21-25. D. '66.  
From the notebook of a public prosecutor. D. Danylova. kyl. Rad. pravo 29 no. 12:79-80. D. '66.  
Shechepakin, D. M. [Public order is in the hands of the people] Oshcheshchennyy poriadok - v rukakh naroda, Tula, Priokskoe knizhnoe izd-vo, 1965. 101 p. (MIL-L)

## CRIME AND THE PRESS

A fairy tale. I. U. Mikhailov. Sots. zakon. 43 no. 12:48-49. D. '66.

## CRIME IN LITERATURE

A flower in the pocket. A. Flurstenberg. V mire knig 6 no. 10:8-9. O. '66.

## CRIME PREVENTION

(see also subdivision under Crimea; Kerch)  
New forms of the prevention of recidivism. N. Kondrashkov. Sots. zakon. 43 no. 12:46-47. D. '66.  
The role of public opinion in the prevention of criminal offenses. A. Zakaluk. Rad. pravo 29 no. 12:3-8. D. '66.  
We are for the conditions of inviolable law and order. Sots. zakon. no. 11:8-22. N. '66.

## CRIMEA—BENTONITE

Investigating the effect of the production method on the composition and properties of liquid polyorganosiloxanes. Investigating the composition and characteristics of polymethylphenylsiloxanes obtained by the method of colysis with subsequent catalytic regrouping in the presence of "Kil" bentonite clay. M. A. Kleinovskaya and others. Plast. massy no. 9:19-24. '62.

## CRIMEA—BOOKSTORES

Disregarding the important matters. I. Ilev. Knizh. torg. 17 no. 12:24. D. '66.

## CRIMEA—CRIME PREVENTION

For exemplary public order in rural areas. IE. Iksar. Rad. pravo 29 no. 12:24-26. D. '66.

## CRIMEA—FORAMINIFERA, FOSSIL

Dolomitized Foraminifera. L. S. Bikhry. Dop. AN USSR no. 11:467-471. '66.

## CRIMEA—GAS, NATURAL—GEOLOGY

Formation of structures in the Paleogene in western Crimea. G. P. Kurylo, V. D. Frolov. Neft. i. gaz. prom. no. 3:7-8. Ji-5. '63.

## CRIMEA—GEOLOGY—STUDY AND TEACHING

Geological training practice in the Crimea. K. P. Sokolov. Izv. vuz. ucheb. zav. i. inst. i. tekhn. 6 no. 1:136-138. Ja. '63.

## CRIMEA—LITERATURES

At the literary map of the Crimea. G. Kal'mitavil. V mire knig 6 no. 10:3. O. '66.

## CRIMEA—MOLLUSKS, FOSSIL

New fossil species of mollusks of the genus Chlamys from the lower Eocene sediments of the western Crimea. V. H. Kulichenko. Dop. AN USSR no. 11:508-510. '62.

## CRIMEA—RADIOACTIVE FALLOUT

Artificial radioactivity of atmosphere in Crimea in 1962-1964. L. I. Boliav and others. Tруды Mor. gidrofiz. inst. AN USSR 37:211-228. '66.

## CRIMEA—ROAD CONSTRUCTION

Designing high embankments on steep mountain slopes. R. P. Kuprash. Avt. dor. 29 no. 11:22-23. N. '66.

## CRIMEA—UTERUS—CANCER

Combined treatment of cancer of cervix uteri based on materials of Crimea Province Oncological Dispensary during 1953-1960. M. P. Skotobogata. Klin. onk. no. 1:60-63. '65.

## CRIMEAN MOUNTAINS—CAVES

Gas composition of air in karst cavities of Crimean Mountains. V. N. Dublinskii, I. U. I. Shutov. Dokl. AN SSSR 171 no. 2:115-117. N. '66.

## CRIMEAN MOUNTAINS—GLACIAL EPOCH

Mantle glaciation of Crimean Mountains, its time, conditions, and most important after-effects. S. A. Kovalevskii. Dokl. AN SSSR 171 no. 2:125-128. N. '66.

## CRIMEAN MOUNTAINS—KARST

Gas composition of air in karst cavities of Crimean Mountains. V. N. Dublinskii, I. U. I. Shutov. Dokl. AN SSSR 171 no. 2:115-117. N. '66.

## CRIMINAL EVIDENCE see Evidence, Criminal

## CRIMINAL INVESTIGATION

Aggravated unfounded transfer of criminal cases for their judicial investigation in other districts. P. Radushkevich. Sots. zakon. 43 no. 12:58-59. D. '66.  
Butko, I. F., O. M. Vasylyev, and O. K. Sotelnov. [Handbook for criminal investigators] Dovidnyk sudovoslichcho praislivyuka. Kyiv, Vyd-vo polit. lit-ry. Ukrainy, 1966. 165 p.

Contacts with the Soviet public are an important condition for the successful work of criminal investigators. N. M. Oshchukhenko. D. Shebetenko. Sots. zakon. 43 no. 12:50-51. D. '66.

A fairy tale. I. U. Mikhailov. Sots. zakon. 43 no. 12:48-49. D. '66.

For the scientific organization of criminal investigators' work. A. Larin. Sots. zakon. 43 no. 12:42-45. D. '66.  
Legal status voluntary assistants to the police officers who investigate criminal offenses, according to recently enacted laws. M. Hurovskyi. Pravoznavstvo no. 1:15-22. '65.

The path which he chose in his youth. G. Gordin. Sots. zakon. no. 11:68-70. N. '66.

Specialization is an effective way to raise the professional skill of criminal investigators. F. Lopushanskii, P. Peizerman. Rad. pravo 29 no. 12:44-46. D. '66.

Studying the personalities of the accused and innocent persons during the investigation of murder and battery cases. G. Makhlin, S. Stepichev. Sots. zakon. 43 no. 12:60-63. D. '66.

## CRIMINAL INVESTIGATION—STUDY AND TEACHING

An institute has begun its work. Sots. zakon. no. 11:38-37. N. '66.

## CRIMINAL JUSTICE, ADMINISTRATION OF

In the offices of public prosecutors and the supreme courts of the Union Republics. Sots. zakon. 43 no. 12:78-79. D. '66.

## CRIMINAL LAW

(see also subdivision under Uzbekistan; White Russia)

Concept and characteristics of the objective truth established during the trial and the implementation of the new criminal and criminal procedure laws. A. L. Ryvlin. Pravoznavstvo no. 1:89-93. '65.

Who is an "injured person"? T. Shavgulidze, L. Talakvadze. Sots. zakon. no. 11:63. N. '66.

## CRIMINAL LIABILITY

Rowdies should be liable for the damage caused by their action. A. Lugovskaya. Sov. iust. 30 no. 23:10-11. D. '66.

## CRIMINAL PROCEDURE

(see also subdivision under Armenia; Estonia)  
Concept and characteristics of the objective truth established during the trial and the implementation of the new criminal and criminal procedure laws. A. L. Ryvlin. Pravoznavstvo no. 1:89-93. '65.

For the wider admission of civil lawsuits in criminal procedure. V. Davy. Sots. zakon. 43 no. 12:56-57. D. '66.

Participation of injured persons in judicial proceeding. A. Koblikov. Sov. iust. 30 no. 23:6-11. D. '66.

Partition of the legal representatives of accused or injured minors in judicial procedure. S. Goshkov. Sots. zakon. no. 11:67. N. '66.

We should amend article 31 of the criminal procedure code of the R. S. F. S. R. V. Bilnov. Sots. zakon. no. 11:46-49. N. '66.

## CRITICAL POINT

Critical temperature of transition to superconducting state of beta-phase in the system niobium - tin - aluminum - germanium. N. E. Alkseevskii, N. V. Ageev, V. F. Shamail. Izv. AN SSSR. Neorg. mat. 2 no. 12:2156-2161. D. '66.

## CROATIA—HISTORY—SOURCES

The Siptar chartulary. 1 translated and supplied with footnotes by S. A. Rykova. Vop. ist. slav. no. 2:296-307. '66.

## CROPS AND CLIMATE

(see also subdivision under Soviet Central Asia)  
Meteorological conditions and potatoes tuber yield in the regions of the U. S. R. most favorable for potato growing. M. D. Zlotimov. Shoi. trud. asp. i. mol. nauch. sot. VII no. 2:319-351. '61.

## CRUCIBLES

Crucible without walls. I. U. Davinskii. Izv. i. rats. no. 12:38-39. '66.

Optimum skull thickness in titanium melting. A. A. Neustroev, G. L. Khodorovskii. Tруды MATI no. 66:114-122. '66.

## CRUSH SYNDROME

Morphological changes of internal organs and brain in prolonged crushing of the soft tissues of the extremities. V. P. Glinnova, E. D. Bova. Travmatologiya no. 1:306-312. '65.

Syndrome of severe crushing of the extremities (compression syndrome or Bywater's syndrome). R. L. Ginzburg. Khirurgiya 39 no. 2:132-137. F. '63.

## CRUSHED STONE INDUSTRY see subdivision under Kirghizistan

## CRUSHING AND GRINDING

Some problems of rigid dynamics and their application to theory of crushers. I. U. Severov. Zap. LGI 39 no. 3:67-74. '61.

## CRUSHING MACHINERY

Increasing the efficiency of crushing. G. N. Druil and others. Koks i. khim. no. 8:8-8. '62.  
Percussive rotary crushers. V. A. Strel'tsov. Stro. i. dor. mash. 6 no. 8:22-25. Ag. '63.  
Rostovskii Prometkoinproekt. [Dynamic loads caused by crushing and milling, drafting and blasting machines and centrifuges, handbook for designers] Dinamicheskie nagruzki ot drobil'no-razmol'nykh, lingodol'nykh mashin i tsentrifug posobie dlia proekhtovshchikov, Rostov-na-Donu, 1966. 47 p.

[MICROFILM]

## CRUSHING MACHINERY—DESIGN AND CONSTRUCTION

Designing the crushing space of gyratory cone crushers for fine comminution. V. A. Mennikov. Gor. zhur. no. 12:37-41. D. '66.

Increasing the wear resistance of cone crusher linings for coarse crushing at Novo Krivoy Rog Mining and Ore Dressing Combine. V. M. Gorbach, P. I. Krupp, A. L. Maiov. Obog. rud. 11 no. 3:33-38. '66.

## CRUSHING MACHINERY—ELECTRIC DRIVING

Determination of the start moment of the electric drive of a jawbreaker. P. G. Guzikin. Izv. vuz. ucheb. zav., elektromekh. 9 no. 11:1270-1273. '66.

## CRUSTACEA see subdivision under Antarctic regions

## CRUZIN

Antibiotic cruzin and its mechanism of action on cancer cells. N. G. Kitueva, G. I. Roskin. Izv. AN SSSR. Ser. biol. no. 3:366-369. My-Je. '63.

## CRYOPEDOLOGY—TERMINOLOGY

Terminological confusion in cryopedology. A. M. Chokotillo. Vest. Mosk. un. Ser. 5: Geog. 21 no. 6:115. N-D. '66.

## CRYOSCOPY

Supercooling flow-through device for cryomicroscopy. P. E. Moroz, D. R. Gabe. Mikrobiologiya 35 no. 5:912-917. S-O. '66.

Use of freezing in gravimetric analysis. Report No. 1. Crystalline precipitates. V. L. Zolotarev, V. N. Sanatlov, V. P. Nesterenko. Zhur. anal. khim. 21 no. 11:280-292. '66.

## CRYOTRONS

Analysis of a cryotron memory network with many stable states. I. D. Volkovich, I. A. S. Kan, V. A. Rakhubovskii. Avtomatika 6 no. 6:65-69. '66.





## CRYSTALS—GROWTH (Continued)

- Some aspects of epitaxial theory G. Bilyuzhkov, Rost. Krist. 5, 64-73 '65.
- Some aspects of theory of crystal growth. A. A. Chelmon, B. I. A. Likhov, Rost. Krist. 5, 11-33 '65.
- Some laws governing formation of single crystals. N. N. Chetani, Rost. Krist. 5, 34-41 '65.
- Synthesis and electric properties of  $MnO_2$  single crystals. M. V. Rozhdetsvenskaya, V. A. Moklevskii, V. A. Glogova. Kristallografiya 11 no. 6 903-909 N-D '66.
- Technique of growth and treatment of large Pb and Zn single crystals for use in nuclear physics. V. Clon, Rost. Krist. 6, 151-157 '65.
- Thermodynamics of nonequilibrium transformations in binary systems. I. I. Apter, D. S. Kamenetskaya, Rost. Krist. 5, 91-99 '65.
- Use of exchange decomposition reactions in melts to produce single crystals of semiconductor compounds. N. I. Lushova. Rost. Krist. 6, 220-225 '65.

## CRYSTALS—OSCILLATIONS

- One mechanism of absorption of low-frequency electromagnetic oscillations by localized states in crystals. M. A. Krivoglas, I. P. Pinkevich. Zhur. eksp. i teor. fiz. 41 no. 3 1151-1162 O '66.

## CRYSTALS—SPECTRA

- Photoconductivity of  $BiCl_3$  and  $BiI_3$  single crystals under high hydrostatic pressures. K. Guliamov and others. Fiz. tverd. tel. 8 no. 7 2061-2066 J1 '66.

## CRYSTALS, EFFECT OF RADIATION ON

- Effect of radiation on formation and homogeneity of crystals. Vikt. I. Spitsyn, I. E. Zimakov, N. P. Dobrosel'skaya, Rost. Krist. 5, 212-216 '65.

## CUBA—AGRICULTURE, COOPERATIVE

- Socialist co-operations in the agriculture of Cuba, and cooperatives. Antonio Reginaldo Falcon, Sov. potekh. kooper. 10 no. 12, 41-45 D '65.

## CUBA—ARCHITECTURE

- Architecture of revolutionary Cuba. N. Filipovskaya. Arkh. SSSR no. 6 50-59 '63.

## CUBA—DESCRIPTION AND TRAVEL

- Encounters in Cuba. V. Andrianov. Agitator 34 no. 24 54-57 D '66.

## CUBA—ECONOMIC CONDITIONS

- Encounters in Cuba. V. Andrianov. Agitator 34 no. 24 54-57 D '66.

## CUBA—RADIO IN PROPAGANDA

- On the freedom island. Ramiro Puerto, Sov. radio i tel. 12 no. 6 16-17 Je '67.

## CUBA—ROCKS, IGNEOUS

- Ultrabasic rocks in northeastern part of Cuba and their weathering surface. I. A. Shirokova. Biol. MOIP, Otd. geol. 41 no. 4 150-151 J1-Ag '66.

## CUBA—SOILS—CLASSIFICATION

- Establishment of the genetic classification of soils in Cuba. S. V. Zonn and others. Pochvovedenie no. 12 17-30 D '66.

## CUBA—STATISTICS

- Cuba: facts and figures. P. Bogatyrev, Mezhdunar. zhurn. 11 no. 1 113-114 '67.

## CUBA—WEATHERING

- Ultrabasic rocks in northeastern part of Cuba and their weathering surface. I. A. Shirokova. Biol. MOIP, Otd. geol. 41 no. 4 150-151 J1-Ag '66.

## CUBAN LITERATURE—HISTORY AND CRITICISM

- Free Cuba tells its story. A. Starostin. V mlia knig 5 no. 11 26 N '66.

## CUBAN STATESMEN see Statesmen, Cuban

## CUBATURE FORMULA

- Convergence of cubature processes for absolutely continuous and absolutely continuously differentiable functions. I. U. S. Ramskii. Vych. mat. [Kiev] no. 2 170-185 '66.

## CUCUMBERS see sub-division under Russia, Northwestern

## CUCURBITACEAE see Vine crops

## CULTIVATORS

- Cultivation of corn fields at increased speeds. O. M. Bekertin. Trudy GRUZNIMESKIIA 8 no. 2 39-46 '62.

## CULTURE

- Excerpts from B. I. Shankman's unpublished work "Characteristics of the production of spiritual riches." Vop. filos. 20 no. 12 113-123 '66.
- Kalinnikov, T. G. [Training of cultural workers in a communist attitude towards labor] Vospitanie kommunisticheskogo otnosheniia k trudu u rabotnikov kultury, [Moskva] Profizdat, 1966. 63 p. (Biblioteka proizvodnogo aktivista, no. 36/154)

## CULTURES (BIOLOGY)

- Age-related sensitivity of kidney cell cultures of swine embryos to foot-and-mouth disease virus. M. A. Ushakov. Vop. virus 11 no. 6 748-750 N-D '66.
- Oncological and histochemical study of human pigmented tumors in tissue cultures. Report No. 1 Benign pigmented neoplasms. N. M. Chistova. Vop. onk. 12 no. 11 22-29 '66.
- Use of new nutrient medium containing muscle hydrolysate for cell cultures. G. P. Sovetova, V. N. Blumkin. Vop. virus 11 no. 6 743-746 N-D '66.

## CUPOLA FURNACES

- Continuous tapping of metal and slag from a single cupola gate. M. A. Lumbalskii, I. Z. Uretskii. Lit. prel. no. 12 34 J1 '66.

## CURARE LIKE SUBSTANCES

- Paramecium-induced contraction of the dorsal muscle of a leech under the effect of anticholinesterase agents. A. I. Potlesnina. Biol. zap. biol. med. 56 no. 5 78-81 My '63.

## CURARE LIKE SUBSTANCES—THERAPEUTIC USE

- Effect of curare-like preparations on the state of speech. Preliminary analysis in aphasia. N. A. Kryshova, V. V. Alakshinskii. Zhur. neur. i psikh. 66 no. 12 1758-1763 '66.

## CURRENTS—DISEASES AND PESTS

- Interrelationship between a parasite and its host at the earliest developmental stages of the disease. V. A. Baken. Shor. trud. asp. i mol. nauch. sot. VII no. 2 282-288 '61.

## CURRENTS (HYDROLOGY) see sub-division under Black Sea

## CURVATURE

- Theory of  $X_2$  curvature in E. space. K. Sh. Ramazanov. Izv. vys. ucheb. zar. mat. 10 6, 137-141 '66.

## CURVES, ALGEBRAIC

- Constructing certain curves. I. U. P. Sokolov. Stroi. i arkh. Uzb. 6 no. 1 25-26 Ap '65.

## CUSHING'S SYNDROME

- Decarboxylation of 5-hydroxytryptophan in tissues of the adrenal cortex in Cushing's disease and in tissues of adrenocortical tumors. G. A. Shapovalov, S. S. Barchina, T. T. Berezov. Vop. med. khim. 12 no. 6 574-577 N-D '66.

## CUTWORMS—BIOLOGICAL CONTROL

- Epizooty of gummy moth. L. Hyblina, O. Trubochkina, Zashch. rast. 11 no. 11 43-44 '66.

## CYANIDES

- Automatic control of the cyanide content of sewage. D. N. Smolinov, E. S. Monastyrnko. Vod. i san. gigi. sanit. no. 105-108 '66.

## CYANOCOBALAMINE

- Effect of ethylenimine, ultraviolet rays, and of the combined effect of these factors on the variability of the synthesis, autolysis, and determination based on the synthesis of chlorotetracycline and vitamin B<sub>12</sub>. N. B. Romanova, S. I. Vukhina. Antibiot. 11 no. 11 981-987 N '66.

- Importance of vitamin B<sub>12</sub> and of its combination with nicotinic acid in a compound treatment and normalization of oxidation-reduction processes in hepatocellularitis. B. S. Agayev. Azerb. med. zhur. no. 8 21-26 Ag '62.

- Participation of vitamin B<sub>12</sub> in chlorophyll biosynthesis. T. N. Gudkov, L. P. Shukh'skaya. Dokl. AN SSSR 171 no. 5 1227-1229 D '66.

- Synthesis of vitamin B<sub>12</sub> by propionic acid bacteria and its relation to the conditions of cultivation. N. M. Neronova, N. D. Ierusalimskii, A. I. Ancharova. Mikrobiolog. zh. 31 no. 2 203-208 M-Ap '62.

## CYANOCOBALAMINE AS FEED

- Effect of vitamin B<sub>12</sub> on the requirement of swine and laboratory animals in methionine. M. P. Tommo, E. G. Filipovich. Sel'khoz. biol. 1 no. 6 876-882 '66.

## CYANOGEN COMPOUNDS

- Infrared absorption spectra of aqueous solutions of tetra-cyano complexes of platinum. I. U. A. Kharitonov, O. N. Dvaflova, I. B. Baanovskii. Zhur. neorg. khim. 11 no. 11 2524-2531 N '66.

- Preparation of diamines and polyamines by catalytic reduction of cyanogen groups. N. I. Shecheglov and others. Trudy Inst. khim. nauk AN Kazakh. SSR 14 167-181 '66.

## CYBERNETICS

- Creators and robots. A. Makarov. V mire knig 6 no. 12 9-10 D '66.

- Peresvetov, L. B. [Art and cybernetics] Iskusstvo i kibernetika. Moskva, Iskustvo, 1966. 148 p.

- Statistical method for determining the output signal of nervous networks. V. I. Meitus. Kibernetika no. 6 72-78 N-D '66.

- Study of operator state signals. A. N. Luk'yanov, M. V. Frolov. Avtometriya no. 3 101-111 '66.

- Synthesis of minimal schemes. M. A. Alekseyev. Trudy Vych. tsentra AN Gruz. SSR 3 22-28 '62.

## CYBERNETICS—ABSTRACTS

- [Journal of abstracts: Cybernetics] Ref. zhur. 'Kib. no. 1 Ja '67.

## CYBERNETICS—CONGRESSES

- Problems of economic cybernetics. A. Mikhailov. Vop. ekon. no. 12 145-147 D '66.

- Symposium on cybernetics held in Dubna. Kibernetika no. 6 99-101 N-D '66.

## CYBERNETICS—PERIODICALS

- Contents of the magazine "Kibernetika" for 1966. Kibernetika no. 6 102-103 N-D '66.

## CYCLOALKANONES

- Relation between structure and odor in the series of norbornylcyclohexanones. L. A. Kheifits and others. Trudy VNIISNDV no. 7 63-69 '65.

## CYCLODECANE

- Catalytic conversion of cyclodecane on an aluminum-chlorine-potassium catalyst. E. S. Bulenkova and others. Neftekhimika 3 no. 5 659-662 S-O '63.

- Investigating the kinetics and mechanism of the liquid-phase oxidation of cyclodecane on molybdenum oxygen. Part 3: Inducing effect of the conversion products of certain inhibitors on the oxidation of cyclodecane. V. G. Bykovlenko, L. N. Shishkina, I. V. Beizina. Neftekhimika 3 no. 5 737-742 S-O '63.

## CYCLOHEXANE

- (see also sub-division under Ukraine)

- Adsorption method of removing benzene impurities from cyclohexane. B. P. Luzanin, N. V. Koltsev, N. S. Torochesnikov. Trudy MIKHTI no. 4 191-196 '63.

- Catalytic transformation of cyclohexane in presence of water on nickel-alumina catalysts. Report No. 2: Dependence of dehydrogenation, methane decomposition and cyclohexane reaction with water on temperature. In different water concentrations in reactive mixture. T. A. Slovokhova, A. A. Balandin, G. I. Usova. Vost. Mosk. un. Ser. 2. Khim. 17 no. 5 22-26 S-O '62.

- Field testing of the smoke from hexachloran pots against mosquitoes in the targa zone of the West Siberian Plain. G. I. Gitta. Shor. nauch. i inzh. sb. VNIIV no. 11 105-108 '62.

- Mechanism of conversions of cycloalkylammonium compounds in presence of H<sub>2</sub>SO<sub>4</sub> studied by means of labeled atoms. V. G. Lipovich, V. M. Kazantseva. Zhur. org. khim. 2 no. 11 2035-2037 N '66.

- Photochemical nitration of methyl cyclohexane. L. A. Levashova, A. A. Strel'tsova. Neftekhimika 3 no. 5 771-774 S-O '63.

- Residual hexachloran in feeds. M. G. Bondarenko, R. F. Grechanskaya. Veterinarika 43 no. 12 91-92 D '66.

- Testing hexachloran smoke against mites causing scab disease in sheep. G. I. Gitta. Shor. nauch. i inzh. sb. VNIIV no. 11 109-122 '62.

## CYCLOHEXANEPROPIONIC ACID

- Quantitative determination of cis-isomers in a mixture of cis- and trans- $\beta$ -(1-aminocyclohexyl) propionic acids in the infrared. Report No. 2: Experiment design in the estimation of errors due to instability of conditions under which analysis was conducted. I. A. Titova, I. I. Volodarskaya. Zhur. anal. khim. 21 no. 11 1381-1385 '66.

## CYCLOHEXANOL

- Mathematical model of the reaction of liquid phase oxidation of cyclohexanol. V. V. Khoronov, Zhur. fiz. khim. 40 no. 11 2090-2705 N '66.

## CYCLOHEXANONE

- Some features of phenol alkylation by tetramethylethylene. Relation between structure and odor in the series of substituted isohexylcyclohexanones. L. A. Kheifits, I. U. Gura, A. S. Padbeizina. Trudy VNIISNDV no. 7 57-63 '65.

## CYCLOHEXENE

- Structural chemistry and reactivity of unsaturated compounds. Part 2: Synthesis and reactivity of  $\alpha$ -aldehydic acids of 3,3-cyclohexene series. G. P. Gupatova-Shemakina, V. M. Andreev, S. A. Kazarian. Zhur. org. khim. 2 no. 11 2065-2071 N '66.

## CYCLOPENTADECANONE

- Macrocyclic compounds. Part 7: Synthesis of cyclopentadecanone (valton) and pentadecanone (tibetolide). E. P. Zinkivich and others. Zhur. org. khim. 2 no. 11 2028-2031 N '66.

## CYCLOTRON

- Time-dependent structure of particle beams extracted from synchrocyclotron of Joint Institute for Nuclear Research. V. G. Zinov, S. V. Medved', E. B. Ozerov. Atom. energ. 21 no. 6 445-449 D '66.

## CYCLOTRON RESONANCE

- Cyclotron resonance in inclined magnetic field. M. I. Azebel', V. G. Peschanskii. Fiz. v red. Zhur. eksp. i teor. fiz. 5 no. 1 26-29 Ja '67.

- Cyclotron resonance of current carriers in aluminum. R. T. Mina, V. S. Edel'man, M. S. Khaikina. Zhur. eksp. i teor. fiz. 51 no. 5 1363-1369 N '66.

## CYMENE

Spectrophotometric analysis of products of liquid-phase p-cymene oxidation by oxygen using mathematical treatment of spectra V. S. Grinev, G. M. Panchenkov Zhur anal khim 21 no 10 1274 1276 '66

## CYPRIAN ART see Art, Cyprian

## CYPRUS—CONSTITUTION

Basic principles of the Constitution of 1960 in Cyprus M. A. Nurul' Pravo i ustavost' no 140-143 '63

## CYPRUS—HISTORY

The legend "On the island of Cyprus," an unknown literary landmark of the 17th century O. A. Betsbrova Trudy ODR 14 311-325 '62

## CYSTICERCOSES

Cysticercosis of the brain, heart and skeletal muscles, A. M. Khmel'skiy Med paraz i paraz bol 31 no 5 610-611 S-O '62

## CYSTINE

Effect of cystine on chromatographic behavior and thermodynamic stability of poliovirus virus variants S. V. Maslova, V. I. Agol Vop vius 11 no 5 581-585 S-O '66

## CYSTS

Pneumomediastinography in the diagnosis of pericardial cysts L. N. Tishchenko Trudy Novokuz GIDUya 32 80-83 '65

Significance of follicular ovarian cysts in the development of mastopathy IU N. Korepanov Probl endok i gorm 0 no 145-98 Ja-F '63

## CYTOCHROMES

Participation of the cytochrome system in serotonin oxidation in cardiac mitochondria in rabbits A. M. Zubov Vop med khim 12 no 6 642-644 N-D '66

Relationship between ergocalciferol (vitamin D<sub>2</sub>) and oxyhemoglobin and cytochrome C N. V. Blazhevich, V. B. Spirichev Biokhimiya 31 no 6 1100-1106 N-D '66

## CYTOGENETICS

The genetic code, conclusions on the general nature of the code resulting from biochemical experiments F. H. C. Crick Biofizika 8 no 5 529-35 '63

## CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

## CYTOLOGY—CONGRESSES

Trip to Belgium L. F. Larionov, Vest. AMN SSSR 15 no 12 73-75 '60

## CZECH LANGUAGE—DICTIONARIES—RUSSIAN

[Czech-Russian dictionary on electrical engineering and electronics. Approximately 30,000 terms] Cheshsko-Russkii slovar' po elektrotekhnike i elektronike, Okolo 30 000 terminov. Moskva, Sovetskaya Entsiklopediya, 1966, 524 p.

## CZECHOSLOVAKIA—AERONAUTICS IN AGRICULTURE

With our friends Kryl rod 17 no 9-24 S '66

## CZECHOSLOVAKIA—APARTMENT HOUSES

Heat engineering problems in the construction of panel-type apartment houses in Czechoslovakia. M. Galagala, Arkhit SSSR no 7 55-58 '63

## CZECHOSLOVAKIA—AUDITING AND INSPECTION

Interplant analysis is a tool for uncovering potentialities Jiri Reznicek, Uch zap. Kaf. sov. ekon. Vys. part shkoly no 3 109-120 '64

## CZECHOSLOVAKIA—BIBLIOGRAPHY

[New literature on Czechoslovakia] Nov. lit. po Chekh. no. 11 '66; no 1 '67

## CZECHOSLOVAKIA—CONCRETE REINFORCEMENT—WELDING

On production and use of welded reinforcement in Czechoslovakia A. I. A. Brodskii Bet i zhel'-bet 12 no 12 37-38 D '65

## CZECHOSLOVAKIA—CONSTRUCTION INDUSTRY—MANAGEMENT

Conference on the economic management of construction. Ekon. stroi 8 no 12 59 L '66

## CZECHOSLOVAKIA—ECONOMIC POLICY

Reports from conference halls: Czechoslovak scholar in Moscow, B. T. S. Urian's anniversary, Economic reform and academic studies Vop. ekon. no. 12 150-152 D '66.

## CZECHOSLOVAKIA—EDUCATIONAL RESEARCH

Subjects of scientific studies in the Institute of Educational Research in Prague. S. Morzhan, Sov. pedagog 30 no. 12 150-151 D '66.

## CZECHOSLOVAKIA—ELECTRONIC DIGITAL COMPUTERS

Use of electronic digital computers in the chemical industry of the German Democratic Republic and Czechoslovakia. V. I. Grubov, A. I. Nagornyi, Khim. prom. Ukr. no. 6 61-62 N-D '68.

## CZECHOSLOVAKIA—ORE DRESSING PLANTS

Beneficiation plant for Seiditz kaolin in Czechoslovakia. Stih. i k. 23 no 11 12 N '66.

## CZECHOSLOVAKIA—POLITICS AND GOVERNMENT

Historical example of the multiparty system in Czechoslovakia B. N. Toporin Vop. ist. 11 no. 12 39-52 D '66

## CZECHOSLOVAKIA—PSYCHOLOGY, RELIGIOUS

Some results of sociological study of religiousness in the northern Moravia region of Czechoslovakia, F. Kadetsova Vop. nauch. ateiz. no. 1 210-272 '66

## CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

Collected articles devoted to Russian ideological contacts with Czechs and Slovaks, L. P. Pavlova Ist. SSSR 10 no. 6 174-176 N-D '66  
History of Soviet cultural contacts with Czechoslovakia, T. I. Baskakova, Vop. ist. slav. no. 2 230-238 '66

## CZOBEL, ERNO, 1886-

Erno Czobel T. M. Islamov Vop. ist. 41 no. 12 189-190 D '68

## DAGHESTAN

[Forty-five years of Soviet autonomy of Dagestan] 45 let sovetskoi avtonomii Dagestana. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1966, 103 p. (CSI-II)

## DAGHESTAN—AIR—ANALYSES

Iodine content of the air over Dagestan, L. A. Magomedova, A. B. Salimov Agrokhimiya no. 12 94-95 D '66.

## DAGHESTAN—FOLK DANCING

Efendiev, A. M., and A. A. Obukhovich. [The lezginka abroad, travel notes] Lezginka za rubezhom, putevye zametki. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964, 54 p. (MH)

## DAGHESTAN—GEOLOGY, STRATIGRAPHIC

Paleohydrochemical regime of Dagestan sedimentation basins in the Middle Jurassic, G. I. Timofeev, G. M. A. Ahev Dokl. AN Az. SSR 19 no. 2 17-21 '64

## DAGHESTAN—HISTORY

Magomedov, S. M. [The October Revolution in the Terek region and in Dagestan] Oktinbri' na Tereke i v Dagestane. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1965, 221 p. (MH)

## DAGHESTAN—LABOR AND LABORING CLASSES

History of the Soviet laboring classes of Transcaucasia and Dagestan, N. G. Kadyrova, Ist. SSSR 10 no. 6 208-210 N-D '66.

[Leading force of modern times, from the history of the Soviet working class of Dagestan and Northern Caucasus] Vedushchaya sila sovremennosti; iz istorii sovetskogo rabochego klassa Dagestana i Severnogo Kavkaza. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1964, 170 p. (CSI-II)

## DAGHESTAN—MERCURY

New occurrence of natural mercury in southeastern Dagestan Ch. M. Khalifa-zade, I. E. Efendiev, Dokl. AN Az. SSR 19 no. 2 23-26 '63.

## DAGHESTAN—OIL WELL DRILLING

Mustafae, N. A. B. [Some problems in the technology of well drilling in northern Dagestan] Nekotorye voprosy tekhnologii burochnykh skvazhin na Severe Dagestana. Makhachkala, Dagestanskoe knizhnoe izd-vo, 1965, 28 p.

## DAGHESTAN—PETROGLYPHS

Deblrov, P. M. [Petroglyphs of Dagestan] Rez'ba po kamniu v Dagestane. Moskva, Nauka, 1966, 205 p. (cheffy illus.)

## DAGHESTAN—PETROLEUM GEOLOGY

Formation of oil and gas pools in the carbonate sediments of the Upper Cretaceous and Lower Paleogene; based on a study of the Saltabak structure in southern Dagestan. V. L. Galin, F. G. Sharafutdinov, Az. neft, khoz. 42 no. 51-4 My '63.

## DAGHESTAN—ROCKS, SEDIMENTARY

Origin of rhythmic sedimentary formations. V. T. Frolov, Biol. MOP, Okd. geol. 41 no. 4 157-158 Ji-Ag '66.

## DAGHESTAN—SHEEP—DISEASES AND PESTS

Contagious pustular stomatitis of sheep in Dagestan. P. P. Samoilov, A. A. Alverdiev, Veterinaria 43 no. 1 51-53 Ja '67.

DAIRY BARNs see subdivision under Turkmenistan; Udmurt A. S. R.

## DAIRY CATTLE

(see also subdivision under Estonia; Latvia)  
Liakh, R. P., and R. A. Semiklina. [Formation of a dairy herd] For mirovuiu molochnuiu stada. Sibirskiy, "Krym," 1966, 35 p. (DNAL)

## DAIRY CATTLE—FEEDING AND FEEDS

Methods for increasing milk and milk fat yields of cattle on dairy farms. D. M. Muskalenko, Trudy Inst. gen. no. 26 134-140 '62

## DAIRY CATTLE BREEDING

Methods for increasing milk and milk fat yields of cattle on dairy farms. D. M. Muskalenko, Trudy Inst. gen. no. 26 134-140 '62

## DAIRY INDUSTRY—FINANCE see subdivision under Ulan-Ude

## DAIRY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Mechanization and automation of production in the dairy industry Inform. biul. VDNKH no. 9 3 S '62

## DAIRYING

Davidov, R. B. [Principles of dairying] Osnovy moloch'nogo doia. Ed. 2. Moskva, [Sel'khozgiz] 1957, 173 p. (Biblioteka zhivotnovoda po krupnomu i spetsial'nym st., no. 15) (DNAL)

DAIRYING—EQUIPMENT AND SUPPLIES see subdivision under Moscow Province

## DAMPING (MECHANICS)

Using vibration dampers to reduce forced oscillations of the stern of the ship A. M. Alekseev, A. B. Sakhin, A. K. Shirovskii Sudostroyeniye 20 no. 12 14-15 D '67

## DAMPNESS IN BUILDINGS

Moisture in unventilated built-up roofs of multi-story apartment houses. A. Tolomiy, L. Kurina Zhil. stroi. no. 12 10-23 '66

## DAMS

(see also subdivision under Krasnoyarsk Hydroelectric Power Station; Tunisia; Uzbekistan)

Altering the rules for the selection of valves filters subjected to pulsation pressure. A. P. Vondichina, M. P. Malynchev, Trudy Gidrotekhn. no. 7 100-105 '62

Conference on the design and construction of arch dams V. S. Ershov Gid. stroi. 33 no. 7 62-63 Ji '63  
Grout curtains in unconsolidated rocks P. F. Belsky Gid. stroi. 33 no. 7 47-50 Ji '63.

Investigating the carrying capacity of rocks for purposes of engineering geology A. G. Lykoshin, Gid. stroi. 33 no. 8 16-20 Ag '63.

## DAMS—HYDRODYNAMICS

Pressure pulsations under the apron of a dam V. M. Litkher, N. V. Khalilina, Trudy Gidrotekhn. no. 7 30-63 '62.

## DAMS—MODELS

Calculating models of arch dams on the basis of a "vertical cantilever" design L. E. Gudimovskiy and others Gid. stroi. 33 no. 8 35-39 Ag '63.

## DANCING

(see also subdivision under Cambridgeshire)

Nastukov, G. A. [An evening of dancing] Vecher tantsa [Moskva] Profizdat, 1965, 204 p. (KU)

Usilova, T. A. [Preserve the beauty of Russian dance] Beirech' krasotu russkogo tantsa. [Moskva] Molodaya gvardiya, 1966, 111 p. (DGV)

## DANILOV, VLADIMIR VALER'YANOVICH, 1861-

Vladimir Valer'yanovich Danilov; on the 80th anniversary of his birth and 60th of his scholarly work. M. M. Turevich, A. P. Mogilnitskii, Trudy ODR 14 481-483 '62.

## DANIN, DANIL SEMENOVICH

Danil Danil Semenovich Danilov, V. miro. knig. 6 no. 10 12-13 O '66.

## DANKOV (LIPETSK PROVINCE)—CHEMICAL INDUSTRIES—FINANCE

Economic reform and business accounting. I. Edinovich, Den. i kred. 24 no. 12 48-49 D '66.

## DANUBE DELTA—REED (BOTANY)

Causes of the decrease of reed measures for raising the yield of reed in the Danube and Danube Delta P. V. Krotkevich, St. ro. trud. UkrNIIB no. 7 3-45 '66.

## DANUBE RIVER—WORLD WAR, 1939-1945—NAVAL OPERATIONS

Pyshkin, A. A. [On the call of duty; the combat record of the 1st Kerch-Vienna Red Banner Brigade of Armored Boats] Po veleniu dolga; boevoi put' 1-i Kerchensko-Venakol' Krasnoznamennoi brigady bronekaterov. Moskva, Voenizdat, 1967, 187 p.



DE MP-SHIL, IPPOLIT ALEKSANDROVICH, 1961-1962  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEM'YANKO—POLITICS AND GOVERNMENT  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DENSITOMETRIES  
Densitometric determination of the concentration of the substances in the tissues of the body  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DIOXYBENZOLENOLIC ACID see Nucleic acids

DEPARTMENT STORES—MANAGEMENT see Subdivision under Moscow

DEPRECIATION  
Depreciation of the value of the property of the enterprise  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEPRESSION, MENTAL  
Clinical study of the functional disorder of the brain  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DENEVANSKO, IURII GAVRILOVICH, 1922-  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DERMATOLOGY  
Dermatological diseases in the treatment of the patient  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DERMATOLOGY—ABSTRACTS  
Abstracts of the dermatological literature  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DERMATOLOGY—BIBLIOGRAPHY see Bibliography—Dermatology

DERMATOLOGY—CONGRESSES  
Dermatological congresses and conferences  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DERMATOLOGY—PERIODICALS see Subdivision under Poland

DERMATOPHYTES  
Dermatophytes and their role in the distribution of soil  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DERUNOV, KONSTANTIN NIKOLAEVICH, 1866-1929  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DESERTION AND NONSUPPORT  
Desertion and nonsupport in the military service  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DESKS  
Desks and furniture drawers  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DESULFOVIBRIO—CULTURES AND CULTURE MEDIA  
Desulfovibrio and its culture media  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DESULFURATION  
Desulfuration process in an oxygen-blown converter  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DETONATION  
Detonation damping in liquid explosive mixtures of tetranitromethane with ethyl iodide  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DETONATION OF FILLED EXPLOSIVES  
Detonation of filled explosives  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

EXOTHERMIC REACTION ZONE IN ONE-DIMENSIONAL SHOCK WAVE  
Exothermic reaction zone in one-dimensional shock wave  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

QUALITY OF THE ASSEMBLY OF DETONATING FUSE NETWORKS  
Quality of the assembly of detonating fuse networks  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

Substitution of selection rule for detonation velocity  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEUTERIUM COMPOUNDS—SPECTRA  
Vibrational spectra and potential energy constants of deuterium compounds  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEUTERIUM OXIDE—PHYSIOLOGICAL EFFECT  
Dynamics of changes in immunological reactivity of dogs ingested by deuterium oxide  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEUTERONS  
Deuteron splitting by neutrinos  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEUTERONS AND WEAK INTERACTIONS  
Deuteron and weak interactions  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DEXTRAN  
Effect of polydextran on the morphological composition of the peripheral blood in patients with cancer of the stomach, large intestine and breast  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DIABETES  
Changes in the functional state of the stomach in diabetes mellitus under the effect of insulin treatment  
Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

DIABETES MELLITUS AND DISEASES OF THE EYES  
Diabetes mellitus and diseases of the eyes  
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DIAGNOSIS, CYTOLOGIC  
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DIAGNOSIS, DIFFERENTIAL  
Comparative evaluation of endo- and laparoscopic methods in the diagnosis of cancer of female genitalia  
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DIAGNOSIS, DIFFERENTIAL  
Comparative evaluation of endo- and laparoscopic methods in the diagnosis of cancer of female genitalia  
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Comparative evaluation of endo- and laparoscopic methods in the diagnosis of cancer of female genitalia  
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Comparative evaluation of endo- and laparoscopic methods in the diagnosis of cancer of female genitalia  
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DIAGNOSIS, DIFFERENTIAL  
Comparative evaluation of endo- and laparoscopic methods in the diagnosis of cancer of female genitalia  
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STUDY OF THE BEHAVIOR OF CULTURES OF BACTERIAL TUBERCULOSIS  
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STUDY OF THE BEHAVIOR OF CULTURES OF BACTERIAL TUBERCULOSIS  
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STUDY OF THE BEHAVIOR OF CULTURES OF BACTERIAL TUBERCULOSIS  
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Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

STUDY OF THE BEHAVIOR OF CULTURES OF BACTERIAL TUBERCULOSIS  
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STUDY OF THE BEHAVIOR OF CULTURES OF BACTERIAL TUBERCULOSIS  
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Dokl. Akad. Nauk SSSR 143 no 11-12 p 1961-1962

- DIAMONDS** see subdivision under Yakutia
- DIAMONDS—CONGRESSES**  
Second conference on the geology of diamond deposits. I. S. Rozhnov, B. I. Prokopenchuk. *Geol. i ind. mestorozh.* 6 no. 6 117-118 N-D '66
- DIAMONDS, INDUSTRIAL**  
Birn, B., and N. Dobzhinskii. [Diamond abrasive tools in the machinery industry] *Almazno-abrazivnyi instrument mashinostroeni.* Riga, Latvskii respublika tsekhno-tekhn. informatsii i propagandy, 1966. 58 p.
- DIAPHRAGM**  
Examination of the endothelium of the lymphatic capillaries and vessels of the rabbit diaphragm. G. G. Aminova. *Ukh. nat. i gl. i embi.* 11 no. 3 81-90 M '63
- DIARIES**  
Boys' diaries. R. Granina. *Nat. obr.* no. 12:57-60 D '66
- DIATHERMY**  
Daily use of diathermy in the treatment of radial fractures in the typical location. I. I. Talova. *Travmatologiya* no. 1 328-329 '61
- DIATOMACEOUS EARTH** see subdivision under Armenia
- DIATOMS, FOSSIL** see subdivision under Kamehatka
- DIAZO COMPOUNDS**  
Mechanism of polymerization of aliphatic diazo compounds. M. G. Kiselevskii, L. V. Amstolova, S. S. Skorokhodov. *Vysokom. soed.* 8 no. 10 1661-1665 O '66
- DIBENZOCYCLOHEPTENOPROPYLAMINE—THERAPEUTIC USE**  
Clinical test of damlen (amitriptyline). I. N. Mikhailenko, I. U. L. Zilber, Zhuravskii, I. P. I. 67 no. 1 131-135 '67
- DIBENZYLAMINE**  
Effect of adrenaline and dibenzamine on the blood pressure in animals irradiated with X-rays. A. V. Lazovskaya. *Vop. radiofiz.* 1:86-92 '61
- DIBORANE—SPECTRA**  
Calculation and interpretation of vibrational spectra of diborane compounds. Part I. V. N. Kapshai, L. M. Sverdlov. *Zhur. fiz. khim.* 40 no. 11, 2818-2822 N '66
- DICKITE** see subdivision under Kafan District
- DICKSON ISLAND—GEOPHYSICAL RESEARCH**  
Geophysical work under the program of the International Geophysical Year at the Dickson Island observatory. I. I. Feld'shteyn, T. S. Gof'm. *Probl. Aizp.* no. 7 131-131 '59
- DICTATORSHIP OF THE PROLETARIAT**  
Chirkin, V. E. [Forms of the state in the phase of transition to socialism] *Formy gosudarstva, perekhodnogo kotsialisticheskogo tipu.* Moscow, Iurid. lit-ra, 1966. 222 p.
- DIE CASTING**  
Calibrating graphs for the rate of compression in die casting machines. A. K. Belopukhov and others. *Lit. proizv.* no. 12:16 D '66  
Quality of pistons cast into a chill. A. M. Osokin. *Lit. proizv.* no. 11:9-10 N '63
- DIE CASTING—EQUIPMENT AND SUPPLIES**  
Unified molds for die casting. N. I. Domrachev and others. *Lit. proizv.* no. 12 33-31 D '66
- DIELECTRIC CONSTANT**  
Effect of some statistical factors on scattering characteristics of finite cylinder. V. V. Samoilin. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1124-1133 '66  
Measuring refractive index of NaCl and CaCl<sub>2</sub> type crystals. I. M. Dianov, N. A. Irtsova. *Fiz. tverd. tela* 8 no. 7:2265-2266 JI '66
- DIELECTRIC LOSS**  
Mobility of polyhalostyrene macromolecules. Part I. Study of the forms of molecular motion of poly-2-fluoro-5-methylstyrene by the dielectric losses and polarization methods. G. P. Mikhailov, T. I. Borisova. *Vysokom. soed.* 4 no. 11:1732-1738 N '62
- DIELECTRICS**  
Device for measuring  $\epsilon'$  and  $\tan \delta$  of dielectrics. L. N. Chugunov. *Izv. vuz. ucheb. zav. i elektromekh.* 9 no. 10 1162-1161 '66  
Electric strength and electric conductivity of liquid dielectrics containing water. M. V. Kurkin, A. A. Spirin, I. A. M. Frankfurt. *Khim. i tekhn. topl. i masel* 10 no. 12:40-60 D '66  
Preparation of sodium-bismuth molybdate and tungstate. M. V. Mokhosoev, S. M. Alekha. *Izv. AN SSSR, Neorg. mat.* 2 no. 11:2084-2088 N '66  
Studying secondary emission from porous emitters, intensified by electric field. N. L. Iasnopol'skii and others. *Izv. AN SSSR, Ser. fiz.* 30 no. 12:1882-1887 D '66
- DIELECTRICS—MAGNETIC PROPERTIES**  
Magnetic properties of catalysis-faradioelectrics. Part 6. V. D. Korlov, V. B. Evdokimov. *Zhur. fiz. khim.* 40 no. 11:2876-2881 N '66
- DIELECTRICS—MEASUREMENT**  
Method for automating the measurement of the frequency characteristics of the parameters of dielectrics. T. I. Arsh, L. A. Krasin. *Vysokom. soed.* 32-36 '66
- DIENE SYNTHESIS**  
 $\alpha, \beta$ -Unsaturated thiol acetates. Part 2: Vinylthiol acetate in diene condensation. N. P. Potokhov, T. N. Prida. *Khimiya. Zhur. org. khim.* 2 no. 11 1951-1961 N '66  
Diene synthesis in preparation of odorous substances. Report No. 2. Syntheses on the basis of aliphatic terpenoids, hydrocarbons. N. I. Skvortsova, G. V. Melchukina, I. O. Shuk, A. V. Gusevich. *Trudy VNIISNDV* no. 7 32-35 '65
- DIES (METALWORKING)**  
Comparing output in drawing with combined and grooved dies. P. F. Ivanushkin, B. S. Kargin, P. P. Andruschenko. *Kuz. i stalm. proizv.* 8 no. 12:10-11 D '66
- DIESEL ENGINES**  
Effect of the dynamics of the motion of the needle of an atomizer on the injection process of a high-speed diesel engine. I. V. Astakhov. *Enginostroeni.* 8 no. 8 13-16 Ag '62  
Heating diesel engines before starting. V. N. Popov and others. *Trakt i sel'khoz. mash.* no. 12 11-13 D '66  
Improving the technical and economic indices of diesel and gas engines. *Seim. i inform. bud.* VDNKh no. 8 7-8 Ag '62  
Selecting the size of adjusting clearances in the valve mechanism of diesel engine. B. K. Baluk, B. S. Ercmenko. *Trakt i sel'khoz. mash.* no. 12 2-4 D '66
- DIESEL ENGINES—FUEL SYSTEMS**  
Pomskii sel'skokhozh. i sel'sk. institut. [Performance of the fuel system of a tractor diesel engine] *O rabochem protsesse toplivnoi sistemy traktorogo dizela [Perm.]* Permskoe knizhnoe izd-vo [1966] 58 p. (Ilb. Trudy. Otdel'nyi vypusk) [MICROFILM]  
Photoelectric apparatus for recording the instant consumption of fuel and the movement of the rack. B. A. Tuzenkov, D. G. Grishin. *Zap. LSKH* 96:121-128 '65
- DIESEL ENGINES—MAINTENANCE AND REPAIR**  
Minskii motornyi zavod. [D-50 and D-50L diesel engines, handbook on operation and maintenance] *Dizel'nye dvigateli D-50 i D-50L, rukovodstvo po ekspluatatsii i ukhodu.* Izd. 2., ispr. i dop. Minsk, Urozhai, 1966. 135 p. diagrs. (insert)
- DIESEL ENGINES—TESTING**  
Methods for determining the average indicated pressure of a diesel engine. N. S. Zhdanovskii, P. P. Vyacheslav-tsev. *Zap. LSKH* 96:150-157 '65
- DIESEL FUELS**  
Neutralizing capacity of the  $\Delta\text{NH}-7$  multifunctional additive. V. V. Vasil'eva. *Azot. i neftekh.* 32 no. 3. 39-40 M '63  
School of progressive experience in the economy of diesel fuel. I. G. Murzin. *Flek. i topl. tuga* 10 no. 10 27 O '66
- DIESEL LOCOMOTIVES**  
(see also subdivision under Great Britain)  
Development of diesel locomotive traction during the five year plan, 1966-1970. S. N. Suzhin. *Flek. i topl. tuga* 10 no. 10 9-11 O '66
- DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT**  
Electrical network of the TGM2A diesel switch engine. V. A. Pozdnakov, I. V. Borisov. *Flek. i topl. tuga* 10 no. 10 28-31 O '66  
Failure of the S contactor of the TEM diesel locomotive. I. U. T. Kiselev. *Flek. i topl. tuga* 10 no. 10 31-35 O '66
- DIESEL LOCOMOTIVES—HYDRAULIC DRIVING**  
Prospects for using mainline diesel locomotives with hydraulic transmission. N. A. Fufanashki and others. *Zhef. dor. transp.* 18 no. 10:17-51 O '66
- DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR**  
Frankel', E. B., V. G. Komolov, and S. I. Falb. [Repair of the electrical machinery of electric-rolling stock and diesel locomotives] *Remont elektricheskikh mashin elektropodvizhnogo sostava i teplovozov.* Moscow, Transport, 1966. 451 p.  
Industrial system of repairing locomotives. I. U. A. Fishbin, Zhef. dor. transp. 48 no. 10:40-44 O '66  
Work practices at the Poltava diesel locomotive repair plant. I. V. Gaeval, A. S. Timoshenko. *Flek. i topl. tuga* 10 no. 10 1-7 O '66
- DIESEL LOCOMOTIVES—TESTING**  
Rheostatic tests of TE10 diesel locomotives. M. F. Kuzenko, B. D. Ogienko, A. A. Alekseev. *Flek. i topl. tuga* 10 no. 10 21-23 O '66
- DIESTERWEG, FRIEDRICH ADOLPH, 1700-1860**  
Diesterweg's views on the development of the creative ability of students. D. Zholduev. *Vech. ered. shkola* 9 no. 6:85-87 N-D '66
- DIETHYLENE GLYCOL**  
Toxicity of LZ-6. I. U. P. Sanina, T. A. Kochetkova. *Toks. nov. prom. khim. veshch.* no. 8:136-147 '66
- DIFFERENCE EQUATIONS**  
Stability of difference equations. L. V. Maslovskaya. *Dif. urav.* 2 no. 9:176-183 S '66  
Stability of difference stochastic systems in the case of continuous perturbations. T. Akhmetkhaliev. *Dif. urav.* 2 no. 9:161-169 S '66
- DIFFERENCE EQUATIONS—BOUNDARY VALUE PROBLEMS**  
Numerical solution of some mixed boundary value problems for Poisson's equation for strip. I. M. Velikova-nenko, I. I. Anshko. *Vych. mat. [Kiev]* no. 2:166-178 '66
- DIFFERENTIAL DIAGNOSIS** see Diagnosis, Differential
- DIFFERENTIAL-DIFFERENCE EQUATIONS**  
Operational method for solving linear differential-difference equations with constant coefficients. O. A. Dvalin. *Dif. urav.* 2 no. 9:193-1200 S '66
- DIFFERENTIAL EQUATIONS**  
Algebraic solutions and limiting cycles of a certain differential equation. M. G. Khudai-verenov. *Izv. AN Turk. SSR Ser. fiz.-tekhn. i filol. i geol. nauk* no. 5 3-8 '62  
Behavior in the large of phase trajectories of quasi-linear differential equations with delayed arguments. I. U. Z. Neiman, K. I. Z. Fishman. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1210-1216 '66  
Classification of non-oscillation cases for the equation  $\ddot{x} + p(t)\dot{x} + q(t)x = 0$  where  $q(t)$  is a constant sign. A. U. Levin. *Dokl. AN SSSR* 171 no. 3 1017-1040 D '66  
Correctness of the Cauchy problem and analytic solutions to an evolutionary equation. S. G. Krican. *Dokl. AN SSSR* 171 no. 5 1033-1036 D '66  
Derivation of a near exact stationary asymptotic solution to a quasi-linear system. P. M. Senyk, S. H. Senyk. *Dop. AN URSR* no. 11:1402-1408 '66  
Difference schemes of numerical calculation for fourth-order differential equation with specially selected net. A. K. Bozhanuk. *Vych. mat. [Kiev]* no. 2:33-35 '66  
Direct and inverse problems of V. A. Markov in complex regions. Part II. V. D. Karamyashchenko. *Ukr. mat. zhur.* 18 no. 6 12-25 '66  
Higher approximations in Bogolubov - Krylov's averaging method. P. P. Zablitskiy, I. B. Ladovskaya. *Dokl. AN SSSR* 171 no. 2:282-285 N '66  
Limit cycles of an autonomous system. L. A. Cherkas, Dokl. AN BSSR 6 no. 6:347-350 Je '62  
Method of electronic simulation of differential equations. I. U. Pukhov. *Dop. AN URSR* no. 11:1410-1411 '66  
Problem of the recognition of a set of differential equations. V. D. Kulkov, G. A. Plotnikova. *Kibernetika* no. 6 50 N-D '66  
Problems involving eigenvalues for second-order differential equations in Banach and Hilbert spaces. G. I. Laptev. *Dif. urav.* 2 no. 9:151-160 S '66  
Reducibility of system of ordinary differential equations near smooth integral manifold. A. M. Samoilenko. *Ukr. mat. zhur.* 18 no. 6:41-84 '66  
Solutions to a boundary value problem for stochastic differential equations. Han' Chhan-tsun' [Kai Chang-ch'ing]. *Dop. AN URSR* no. 11 1421-1425 '62  
Some aspects of summary representation method. G. N. Polov'ni. *Vych. mat. [Kiev]* no. 2:31-52 '66  
Stability of stationary solutions to one mixed problem. T. I. Zolotarev. *Dokl. AN SSSR* 171 no. 2:266-268 N '66  
Strong solvability of Tricomi problem. N. G. Sorokina. *Ukr. mat. zhur.* 18 no. 6:66-77 '66  
Study on method of triangular iterations. V. N. Lapin-ski. *Dokl. AN BSSR* 10 no. 10 732-731 O '66  
Theorem of existence and uniqueness for ordinary differential equations. A. I. Ili. *Dop. AN URSR* no. 11 1417-1421 '62  
A theorem on the existence of quasi-periodic solutions to a differential equation with small parameters in Banach space. K. Emzhanov, M. U. Tulegenov. *Vest. AN Kazakh. SSR* 22 no. 10:12-14 O '66  
Theory of invariant surfaces. V. A. Piles. *Dif. urav.* 2 no. 9:1039-1050 S '66  
Various forms of equations of motion for nonholonomic systems in holonomic coordinates. L. H. Lobas. *Dop. AN URSR* no. 11 1436-1440 '62
- DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS**  
The Almansi-Mitchell problem for a homogeneous anisotropic cylindrical beam. G. M. Khatashvili. *Trudy Vych. teotra AN Gruz. SSR* 3:141-184 '62  
Convergence of small parameter method in solution of problem of bending nonorthogonal clamped plates. V. S. Sarkaslan. *Izv. AN Arm. SSR. Mekh.* 10 no. 2:20-30 '66  
Determining interval of applicability of Chaplygin's theorem. V. S. Borodnitskov, I. U. V. Korlenko. *Dif. urav.* 2 no. 9:170-175 S '66  
Difference method for solving some boundary value problems involving coefficients. B. M. Budak, A. D. Iskenderov. *Dokl. AN SSSR* 171 no. 5:1054-1057 D '66  
Dirichlet problem for strongly connected elliptic systems. Nguyen Thua Hop. *Dokl. AN SSSR* 171 no. 2:292-295 N '66





## DIPLOMATIC AND CONSULAR SERVICE

The Soviet Union and the rights of diplomats. I. Blizhech-enko, A. Paradox. Mezhdunar. zhurnal 11 no. 1:11-119 '67

**DIRECT CURRENT ELECTRIC MOTORS** see Electric motors, Direct current

## DISABILITY EVALUATION

(see also subdivision under Allat Territory; Kiev; Rostov Province)

Dissemination among the population the information on the expertise of the capacity for work. N. Trifunova. Sots. obzr. 11 no. 12:30-31 D '66

Dynamics of morbidity with temporary disability among workers in petroleum processing plants for the years 1951-1961. I. I. Alekseyev. Azerb. med. zhur. 40 no. 3:62-70 M '63

Invalidity following compressive fractures of the spine. V. L. Zolotareva. Travmatologiya no. 1:75-80 '65

Medical expertise of the capacity for work in malignant neoplasms. L. V. Kozlovskiy. Klin. onk. no. 12:10-234 '65

Medical expertise of the capacity for work in persons having suffered industrial trauma to the locomotor apparatus. A. E. Rishovskaya, G. V. Be'vest'nikina, T. A. Birluchinskaya. Travmatologiya no. 1:57-62 '65

Some data on invalidity following fractures of long tubular bones. I. I. Khudolin. Travmatologiya no. 1:71-74 '65

Ways of reducing the duration of work disability in patients with butins. S. A. Polshchuk. Travmatologiya no. 1:81-89 '65

Work capacity in a late period after suturing the nerves of the extremities. V. L. Kochaev. Zhur. nevrolog. 63 no. 1:61-65 '63

## DIACCHARIDES

Degradation of trehalose, kojibiose, nigerose, maltose and isomaltose by liver enzymes. I. S. Lukomskaya. Biochimika 27 no. 5:875-881 S-O '62

## DISARMAMENT

**Apfeker, Herbert.** [A symposium; disarmament and the American economy; a study of the ideological, political, and economic problems of disarmament. Translated from the English.] Razoruzheniye i ekonomika SSHA (materialy simpoziuma), izucheniye ideologicheskikh, politicheskikh i ekonomicheskikh problem razoruzheniya. Moskva, Izd-vo Inostr., 11-ty, 1961. 85 p.

Before a new round in Geneva. V. Luk'yanov. Nov. vrem. 21 no. 8:22-23 F '67

An important aspect of disarmament. Mezhdunar. zhurnal 11 no. 1:59-62 '67

**Malina, S. A.** [Legal foundation of disarmament.] Pravo-ye osnovy razoruzheniya. [Leningrad] Izd-vo Leningr. univ., 1966. 181 p.

Youth and disarmament. V. Stepanov. Mol. kamn. no. 4:81-89 Ap '61

## DISCIPLINE OF CHILDREN

For the home and family. Sov. stakid 12 no. 4:38-40 Ap '63

From conviction to action. B. Likhachev. Sem'ia i shkola 21 no. 11:26-28 N '66

**DISCONTINUOUS FUNCTIONS** see Functions, Discontinuous

## DISCOVERIES (IN GEOGRAPHY)

160 travelers. G. Bogoyavlenskii. V mire knig 6 no. 12: 12 D '66

## DISINFECTION AND DISINFECTANTS

Effect of humid disinfection using a vacuum cleaner. P. P. Milavskaya and others. Zhur. mikrobiol. i epid. i immu. 33 no. 5:122-126 Je '62

Use of vapor-formalin disinfecting chambers in veterinary practice. A. G. Nemchenko. Veterinariya 43 no. 1:95-97 Ja '67

## DISLOCATIONS IN CRYSTALS

Abstracts of papers on etching and decoration methods. A. B. Dmitriev and others. Rost. krist. 5:284 '65

Haug - Barrelet's method of disorientation of subgrains. G. Badewitz. Rost. krist. 5:309-320 '65

Connection between dislocation mobility and mechanical characteristics of crystals in nonhomogeneous deformation. E. M. Nagornyy, B. L. Smirnov. Fiz. tver. tela 8 no. 7:2048-2053 Ji '66

Distribution and density of dislocations in bent and annealed gallium arsenide and indium antimonide crystals. E. A. Malikova, R. L. Petrusovich, E. S. Soltertskaya. Kristallografiya 11 no. 8:896-902 N-D '66

Effect of impurities on the mobility of dislocations in surface layers of GaAs single crystals. M. G. Malyukov, V. B. Ovsenskii, L. P. Kholodnyi. Izv. AN SSSR, Neorg. mat. 2 no. 11:2067-2069 N '66

Radiative stopping of dislocation loops. V. D. Natsik. Fiz. tver. tela 8 no. 7:2244-2246 Ji '66

Shifting of image of dislocations in anomalous penetration of X rays. L. N. Danilchuk, T. A. Smorodina. Rost. krist. 5:321-328 '65

Stowing down of dislocation resulting from elastic wave scattering on impurities. A. M. Kisevich, V. D. Natsik. Zhur. eksp. i teor. fiz. 51 no. 4:1207-1219 O '66

Wulff's theorem on crystals with screw dislocations. R. Katshev, D. Nenov. Rost. krist. 5:59-61 '65

## DISLOCATIONS IN METALS

**Akademika nauk USSR.** [Mechanism of metal failure] Mekhanizm razrusheniya metallov. [Kiev, Naukova dumka, 1966] 121 p. (Respublikanskiy mezhvedomstvennyy sbornik. Seriya "Metallofizika")

## DISLOCATIONS IN METALS, EFFECT OF TEMPERATURE ON

Effect of hardening from  $\alpha$ -field and subsequent tempering on mechanical properties of the VT6-1 alloy. B. A. Kolachev, S. M. Palamion. Trudy MATI no. 66:109-111 '66

**DISMISSAL OF EMPLOYEES** see Employees, Dismissal of

## DISORDERLY CONDUCT

(see also subdivision under Kiev; Kiev Province, Turkmenistan; Ukraine; White Russia)

The foremost problem facing our courts of justice. O. Kuzovkin. Rad. pravo 29 no. 12:8-12 D '66

How defense counsels should prevent disorderly conduct cases. M. Horiolyak, I. A. Kapustianskiy. Rad. pravo 29 no. 12:56-58 D '66

In the offices of public prosecution and the supreme courts of the Union Republics. Sots. zakon 43 no. 12: 78-79 O '66

A press conference of the Central Television, the Office of the Public Prosecutor of the U.S.S.R., and the Supreme Court of the U.S.S.R. Sots. zakon. no. 11: 31-35 N '66

Howdea should be liable for the damage caused by their action. A. Lugovskaya. Sov. iust. 30 no. 23:10-11 D '66

**DISORDERS OF PERSONALITY** see Personality, Disorders of

## DISPERSION

Stability of waves in nonlinear dispersive media. V. I. Zakharenko. Zhur. eksp. i teor. fiz. 51 no. 1:107-114 O '66

## DISSOCIATION

Pressure of dissociation of strontium fluorohydride. A. V. Novoselova, F. Sh. Maratov, L. P. Reshetnikov. Vest. Mosk. univ. Ser. 2 Khim. 17 no. 5:36-37 S-O '62

Temperature dependence of the elasticity of lithium phosphide dissociation. I. A. Ugal, L. A. Bilitskaya, L. F. Guza. Izv. AN SSSR, Neorg. mat. 2 no. 11:1941-1947 N '66

Thermal decomposition of phosphoglycol amide. T. D. Averbukh, N. P. Bakhtin, I. V. Alpatova. Vysokom. soed. 8 no. 10:1754-1759 O '66

## DISTILLATION

Determination of antioxidants in polyolefins, extraction through distillation in a vacuum. S. Jankovitch, I. U. A. Shlapnikov. Plast. massy no. 12:62-63 '66

## DISTILLATION, FRACTIONAL

Automatic regulation of temperature of the top of the ream column. A. K. Eleshkin, M. L. Fedorovskii, A. T. Pivovarov. Khim. i tekhn. topl. i masel 11 no. 12:42-43 D '66

Kinetics of mass transfer in rectification of multicomponent mixtures. L. N. Chokajov, A. N. Pionovskii. Khim. prom. 42 no. 12:923-925 D '66

Possible causes of contradictory results of the studies on rectification under low pressure. I. A. D. Zolotovskii, A. A. Titov, V. A. Shalygin. Khim. i tekhn. topl. i masel 11 no. 12:40-13 D '66

Technical method of separation of crystalline di-methyl by rectification. N. S. Frumkina, N. N. Zelenetskii, Z. E. Gribenskova. Trudy VNISNDV no. 7:109-115 '65

Technology of purification of phenylethyl alcohol by fractionation extraction. P. N. Kiseleva and others. Trudy VNISNDV no. 7:119-124 '65

## DISTILLATION APPARATUS

Absorption of alcohol vapors from the fermentation carbon dioxide on the multiple bubble-cap plate of the alcohol trap. G. M. Tatarikov. Splrit. prom. 28 no. 4:18-14 '62

Apparatus for the protection of electrical elements in stills. B. N. Boleukov, B. I. Evstaf'ev. Splrit. delo 12 no. 1:69-70 Ja-F '63

Comparative evaluation of the packing and of the fractionating capacity of various laboratory columns. A. K. Minovian, D. A. Khachaturova. Khim. i tekhn. topl. i masel. 11 no. 11:42-47 N '66

Distribution of some impurities of ethyl alcohol in the columns of beer stills. K. A. Katunians, Splrit. prom. 28 no. 4:7-10 '62

**DISTILLATION OF SEAWATER** see Seawater, Distillation of

## DISTILLERIES

Automatic proportioning of grain and water in distilleries. A. A. Kazatsker, P. P. Kovbasiuk. Splrit. prom. 28 no. 4:21-28 '62

## DISTILLERIES—EQUIPMENT AND SUPPLIES

Anticorrosion coatings for the screens of pneumatic milling systems. N. I. Bortcha, Splrit. prom. 28 no. 1:39 '62

Apparatus for washing and disinfection of fermentation tanks. V. N. Belovon', Splrit. prom. 28 no. 1:36 '62

Automation of the system for the disinfection of molasses. P. S. Kudryko. Splrit. prom. 28 no. 1:28-29 '62

## DISTILLERY BY-PRODUCTS

Dry substances content of stillage during its partial return to the production as water substitute. V. I. Pimenov. Splrit. prom. 28 no. 5:6-7 '62

For a more efficient utilization of liquid biomyrin in the fattening of hogs with stillage. M. F. Gaidukhinov. Splrit. prom. 28 no. 5:23-25 '62

Production of fodder yeast on molasses stillage with the use of the Candida albicans culture. M. A. Putynin, M. I. Beyer. Splrit. prom. 28 no. 5:12-13 '62

Raising fermentation in the production of biomyrin. M. M. Tominakova. Splrit. prom. 28 no. 5:11 '62

## DISTILLING INDUSTRIES

(see also subdivision under Kazakhstan; Krasnodar Territory; Leningrad, Povolnya Province; Moldavia)

Combined processing of potatoes. I. U. M. Vlnokun, Splrit. prom. 28 no. 5:29-31 '62

New methods for determining sugars in the content of alcohol and liqueur and vodka production. M. I. Shkhet and others. Splrit. prom. 28 no. 4:11-13 '62

Processing of colicoin. V. A. Poduzhnyi, Splrit. prom. 28 no. 5:31-33 '62

Prospects for the expansion of the distilling, liqueur, vodka, brewing and soft drinks industries. V. G. Pyshkov. Splrit. prom. 28 no. 5:1-6 '62

Resolutions of the 22d Congress of the CPSU and of the March Plenum of the Central Committee of the CPSU put into practice. Splrit. prom. 28 no. 4:1-1 '62

## DISTILLING INDUSTRIES—EQUIPMENT AND SUPPLIES

Apparatus for molasses dilution. I. A. Kozlenko. Splrit. prom. 28 no. 5:33 '62

Use of abrasive filters. A. E. Polykovskii. Splrit. prom. 28 no. 5:37 '62

## DISTILLING INDUSTRIES—LABOR PRODUCTIVITY

Increase of labor productivity in the workshops producing baker's yeast. G. V. Shevchuk, P. M. Panov. Splrit. prom. 28 no. 5:27-28 '62

Methodology for calculating labor productivity in the distilling industry. E. V. Zhukovskiy. Splrit. prom. 28 no. 4:20-31 '62

## DISTRESS (LAW)

Errors in the distress and attachment of the property of our citizens. V. Chepegin. Sots. zakon. no. 11:59-60 N '66

## DISTRIBUTION (PROBABILITY THEORY)

**Rosenfeld, A. S., and B. I. Iakobson.** Transients and generalized functions. Perékhodnye protsessy i obobshchenyye funktsii. Moskva, Nauka, 1966. 440 p.

## DISULFIDE—PHYSIOLOGICAL EFFECT

Increase in the number and dimensions of leiomyoma under the influence of antabuse. K. A. Zhuravlev. Vest. dermat. ven. 37 no. 3:64-65 Mr '63

## DISULFIDE GROUP

Participation of reduction in reducing disulfide compounds in wheat flour. N. I. Zhoskariakov, E. S. Zueva. Biokhimiya 28 no. 2:116-120 Mr-Apr '63

## DIURETICS AND DIURESIS

Characteristics of the reaction to antidiuretic hormone in phylogeny. V. F. Vasil'eva, A. G. Ginetinskii, M. M. Sokolova. Fiziol. zhur. 48 no. 10:1240-1245 O '62

Diuretic action of ACTH, cortisone and prednisone in patients with circulatory insufficiency. V. K. Serkov. Sov. med. 26 no. 3:131-133 Mr '63

Diuretic effect of progesterone in cardiac insufficiency. G. N. Karapetian, V. S. Khodzhaniyeva, V. G. Kuker. Trudy 1-go MMI 13 17-23 '68

Significance of competition in the interrelationships between effects of histamine, diuretic, and antidiuretic hormone. P. E. Diabova. Trudy LPMI no. 32: 39-41 '65

## DIVING, SUBMARINE

Modern means for deep sea and ocean research. V. P. Zaitsov. Trudy Okean. kom. 14:18-23 '62

Role of diving in the study of the distribution of algae reserves in the seas of the U.S.S.R. M. S. Kireeva. Trudy Okean. kom. 14:69-72 '62

Submarine observations in the subtidal of the Barents Sea. M. V. Prapp. Trudy Okean. kom. 14:73-75 '62

## DIVING, SUBMARINE—EQUIPMENT AND SUPPLIES

**Moranov, I. V.** [Means of conveyance under water] Stroitel'stvo pervykh podvod. Moskva, DOSAAF, 1966. 78 p.

## DIVISION OF LABOR

Makeenko, M.M. [Specialization of the Moldavian S.S.R. within the framework of the all-Union division of labor] Spetsializatsiya Moldavskoi SSR v obshchegosoyuznoi razdelenii truda. Kishinev, Karta Moldoveninske, 1966, 194 p. (CSI-II)

Some problems in the functional division of workers' labor in an industrial enterprise. A.D. Kolobov. Izv. AN SSSR no. 9, Ser. obshchestv. nauk no. 3:32-37 '66.

## DIVORCE SUITS

Some problems in the trial of divorce cases. I.I. E. Pechin. Trudy TashGU no. 262:108-114 '66.

## DNEPROPETROVSK—TRANSPORTATION, AUTOMOTIVE

Working achievements of Dnepropetrovsk highway transport workers. S. Sagulov, M. Binskil. Avt. transp. 41 no. 12:10-10 '66.

## DNEPROPETROVSK—COKE INDUSTRY—BY-PRODUCTS

Automatic regulation of benzene rectification column. I. I. Saigal, N. I. Reznik, Kaysikhim, no. 12:36-37 '66.

## DNEPROPETROVSK—CONTINUOUS CASTING—EQUIPMENT AND SUPPLIES

Contact of ingots with mold walls during continuous casting. L. S. Rudol, N. P. Mamonov. I.T. Kuznetsk. Stal' 76 no. 12:1093-1095 D '66.

## DNEPROPETROVSK—GUIDEBOOKS

[Dnepropetrovsk; a brief guidebook] Dnepropetrovsk; kratkii putevoditel'. Dnepropetrovsk, Promin, 1966, 238 p.

## DNEPROPETROVSK—IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Peculiarities of mineralogical composition and structure of fluxed slinters with high iron content. Z. I. Nekrasov, A. G. Ulianov, G. M. Dorodov. Stal' 76 no. 12:1093-1095 D '66.

## DNEPROPETROVSK—TELEVISION STUDIOS

Shine brightly, blue "acelight" G. Shnak. Sov. radio 1 tel. 12 no. 5:31-32 May '63.

## DNEPROPETROVSK—WOODWORKING MACHINERY

Modernized woodworking machinery. B. A. Drabik. Bum. i del. prom. no. 3:46-48 JI-S '62.

## DNEPROPETROVSK PROVINCE—AGRICULTURE

On the basis of economic analysis. S. Korharski. Part. zhivn' no. 1:19-21 Ja '67.

## DNEPROPETROVSK PROVINCE—FARM PONDS

Protective plantations around ponds. A. Khramenok, V. Zheretsov. Zemledelie 28 no. 11:61-62 N '66.

## DNEPROPETROVSK PROVINCE—INTESTINES—DISEASES

Work of the public health institutions of Dnepropetrovsk Province, Ukrainian S.S.R. in the reduction of acute intestinal infections. Sh. A. Begharbekov. Azerb. med. zhur. 40 no. 2:76-76 T '63.

## DNEPROPETROVSK PROVINCE—MANGANESE MINES AND MINING—EQUIPMENT AND SUPPLIES

Assembling the transporter-dump bridge of the Shevchenko mine. M. R. Dymshits. Mont. i spets. rab. v stroi. 25 no. 9:10-11 Ag '63.

## DNEPROPETROVSK PROVINCE—TRANSPORTER BRIDGES—DESIGN AND CONSTRUCTION

Assembling the transporter-dump bridge of the Shevchenko mine. M. R. Dymshits. Mont. i spets. rab. v stroi. 25 no. 9:10-11 Ag '63.

## DNEPR DELTA—REED (BOTANY)

Causes of the decrease of and measures for raising the yield of reed in the Dnieper and Danube Delta. P. G. Krotkevich. Shti. i stud. Ukr. NIB no. 7:5-45 '65.

## DNEPR-DONETS LOWLAND—GAS, NATURAL—GEOLOGY

Significance of sulfates in prospecting for oil and gas in underground water of Dnieper-Donets Lowland. L. K. Gutsalo, V. A. Krivosheina. Sov. geol. 9 no. 12:110-115 D '66.

## DNEPR-DONETS LOWLAND—GEOLOGY, STRATIGRAPHIC

Epigenesis of Carboniferous sediments in northwestern part of Dnieper-Donets Lowland. A. E. Lukin. Lit. i pol. tekop. no. 6:125-131 N-D '66.

## DNEPR-DONETS LOWLAND—GEOLOGY, STRUCTURAL

Prospecting for buried Paleozoic structures in the south-eastern sector of the Dnieper-Donets Lowland. G. A. Lelunovskii and others. Neft. i gaz. prom. no. 3:3-6 JI-S '63.

## DNEPR-DONETS LOWLAND—OIL RESERVOIR ENGINEERING

Nature of the initial reservoir pressure in the fields of the Dnieper-Donets Lowland. N. I. Ivanova, E. M. Lagovale. Neft. i gaz. prom. no. 1:51-53 Ja-Mi '63.

## DNEPR-DONETS LOWLAND—PETROLEUM—ANALYSIS

Physicochemical features and group hydrocarbon composition of oils from the Dnieper-Donets Lowland. P. S. Makovetskii. Neft. i gaz. prom. no. 1:64-67 Ja-Mi '63.

## DNEPR-DONETS LOWLAND—PETROLEUM GEOLOGY

Optical isolation of oils in the Dnieper-Donets Lowland. P. S. Makovetskii, D. P. Sedukht. Dop. AN URSR no. 7:14-147 '63.

Prospecting for buried Paleozoic structures in the south-eastern sector of the Dnieper-Donets Lowland. G. A. Lelunovskii and others. Neft. i gaz. prom. no. 3:3-6 JI-S '63.

Significance of sulfates in prospecting for oil and gas in underground water of Dnieper-Donets Lowland. L. K. Gutsalo, V. A. Krivosheina. Sov. geol. 9 no. 12:110-115 D '66.

## DNEPR-DONETS LOWLAND—SALT DOMES

Formation of the Ichaya salt-dome structures. T. I. Smirnova. Neft. i gaz. prom. no. 3:10-11 JI-S '63.

## DNEPR-DONETS LOWLAND—SULFATES

Significance of sulfates in prospecting for oil and gas in underground water of Dnieper-Donets Lowland. L. K. Gutsalo, V. A. Krivosheina. Sov. geol. 9 no. 12:110-115 D '66.

## DNEPR-DONETS LOWLAND—WATER, UNDERGROUND

Hydrogeological characteristics of some domestic structures in Dnieper-Donets Lowland. I. M. Zakharchenko. Dop. AN URSR no. 11:474-1177 '66.

## DNEPR RIVER—COFFERDAMS

Cofferdamming of the Dnieper River at the Kiev hydroelectric structural complex on the site of the hydroaccumulating station. T. P. Dotsenko, A. D. Shaiginskii. Gid. st. 33 no. 8:7-10 '63.

## DNEPR RIVER—WATER—COMPOSITION

Hydrochemical characteristics of formation of water composition in upper Dnieper River. A. L. Zhukhovitskaya, A. A. Zamlatskaya, K. I. Lukashov. Dokl. AN BSSR 10 no. 9:612-616 S '66.

## DNEPR VALLEY—BAUXITE

Prospects of bauxite potential in northwestern part of Ukrainian Crystalline Shield. S. D. Gerasenko, L. I. Shpiluk. Sov. geol. 9 no. 12:21-28 D '66.

## DNEPR VALLEY—INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Efficient composition of repair brigades. L. Lishechinskii, I. U. Shaloponov. Sots. i stud. 11 no. 12:112-115 D '66.

## DNEPR VALLEY—MAN, PREHISTORIC

Remnants of a crematory tomb of the Bronze Age near the village of Vishensk in the Kiev area. I. M. Samoilovskii. Sov. arkeol. 10 no. 4:186-187 '66.

## DNEPR VALLEY—MOLLUSKS, FOSSIL

"Dwarf state" of Sarmatian mollusks on shellily-biotopes in Rostyschenko Bay. L. S. Belokaya, Izv. vys. ucheb. zav. geol. i razv. 6 no. 6:10-24 Ju '63.

## DNEPR VALLEY—WAGES—STEEL INDUSTRY

The five-day workweek: schedules and wages. S. Gershgorin and others. Sots. i stud. 11 no. 12:126-130 D '66.

## DNEPR RIVER—REGULATION

Characteristics of parasites of main commercial fishes in Dubossary Reservoir in relation to Dnieper River regulation. N. M. Lelunovskii-Mavris, Paraz. zhiv. i rast. no. 1:17-25 '65.

## DNEPR RIVER—VIMBA

Morphological and ecological characteristics of embryonic development of vimba in Dnieper River. M. Z. Vladimirov. Biol. res. vod. Mold. no. 4:51-65 '66.

## DNEPR VALLEY—FLINT

Origin of the Senonian bedded flint in the Dnieper Valley. I. M. Sen'kovskii. Dop. AN URSR no. 11:1502-1504 '62.

## DNEPR VALLEY—MAMMALS

Characteristic mammal species in central Dnieper Valley. M. N. Lozan. Izv. AN Mold. SSR no. 5:83-88 '66.

## DNEPR VALLEY—MYSIDAE

Volume, distribution, and some ecological aspects of genus *Parameysia* (Czern.) in bodies of water in Dnieper basin. I. I. Dediu. Biol. res. vod. Mold. no. 4:50-53 '66.

## DNEPR VALLEY—PLANT COMMUNITIES

Vegetation of the upper Dnieper Valley bogs. I. U. R. Sholakh-Sosonko. Ukr. bot. zhur. 20 no. 1:93-101 '63.

## DNEPR VALLEY—REEFS

Characteristics of distribution of reef structures in region of middle Dnieper-Prut interfluvium. A. A. Arapov, B. V. Buzdenko, I. U. K. Iashkin. Sov. geol. 9 no. 11:117-120 N '66.

## DNEPR VALLEY—SWAMPS

Vegetation of the upper Dnieper Valley bogs. I. U. R. Sholakh-Sosonko. Ukr. bot. zhur. 20 no. 1:93-101 '63.

## DOBRUSH REGION (WHITE RUSSIA)—GEOLOGY, STRATIGRAPHIC

Lower Quaternary sediments in Dobrush region. B. N. Gutsalo. Dokl. AN BSSR 10 no. 10:771-777 O '66.

## DOCOSATETRAENOIC ACID

Total synthesis of 7,10,13,16-docosatetraenoic acid. G. I. Mingtova and others. Zhur. org. khim. 2 no. 11:993-2003 N '66.

## DOCUMENTARY MOTION PICTURES see Motion pictures, Documentary

## DOCUMENTARY TELEVISION PROGRAMS

Television story. I. Bofaev. Sov. radio i tel. 8 no. 9:12-13 '59.

## DODDER

Dodder. R. Safra. Zashch. rast. 11 no. 11:40-41 '66.

## DOGS—DISEASES AND PESTS

Epidemiology and epidemiology of infectious hepatitis. N. V. Kiseleva. Veterinaria 43 no. 11:37-38 N '66.

Leptospirosis in dogs. S. A. Il'inskii. Veterinaria 43 no. 12:27-28 D '66.

## DOGWOOD—VARIETIES see subdivision under Crataegus, Northern

## DOLINA OIL FIELD—HEAT—TRANSMISSION

Temperature observations in injection wells. I. A. Filipets. Neft. i gaz. prom. no. 11:3-6 '66.

## DOLINA OIL FIELD—OIL FIELD FLOODING

Temperature observations in injection wells. I. A. Filipets. Neft. i gaz. prom. no. 11:3-6 '66.

## DOLINA OIL FIELD—OIL RESERVOIR ENGINEERING

Preliminary data on the forward motion of the water-oil contact in the Vygodna pool of the Dolina oil field. V. P. Vasilchenko. Neft. i gaz. prom. no. 1:48-51 Ja-Mi '63.

## DOLINA OIL FIELD—OIL WELL DRILLING

Potentials for increasing the drilling speed and reducing the cost of 1 m of footage in areas of the Dolina oil field region. I. V. Dlink. Neft. i gaz. prom. no. 1:31-36 Ja-Mi '63.

## DOMAIN STRUCTURE

Ferrimagnetic resonance in presence of domain structure. V. I. Dudkin, A. I. Fil'shchikov. Fiz. tver. tela 8 no. 2:2182-2188 JI '66.

Studying magnetic structure of ferromagnets with help of magneto-optical unit with micrometer resolution. G. S. Kruchuk, A. N. Verkhovin. Zhur. eksp. i teor. fiz. 51 no. 5:1321-1327 N '66.

## DOMESTIC ANIMALS—PARASITES see Parasites—Domestic animals

## DOMESTIC ECONOMIC ASSISTANCE see Economic assistance, Domestic

## DOMESTIC RELATIONS

(see also subdivision under Turkmenistan)

Diverse destinies. V. Karlovskaya. Agitation 34 no. 23:40-52 D '66.

Some suggestions for the amendment of family law. V. Ilyutinskii. Rad. pravo 20 no. 12:35-37 D '66.

## DON DELTA—HISTORICAL GEOGRAPHY

Information supplied by ancient geographers on the Don Delta in the light of recent data. A. A. Timoshenko. Vest. Mosk. univ. Ser. 5: Geog. 21 no. 6:105-108 N-D '66.

## DON RIVER WATERSHED

Tectonic basis of the drainage network in the upper Don basin. N. P. Kuznetsov. Vest. Mosk. univ. Ser. 5: Geog. 21 no. 6:113-115 N-D '66.

## DON VALLEY—ANTIQUITIES

Monuments of the early catacomb type in the upper and central Don Valley. A. D. Prikladin. Vop. ist. slav. no. 2:115-160 '66.

## DON VALLEY—HISTORY

Establishment of old Russian settlements in the Don Valley. A. N. Moskalenko. Vop. ist. slav. no. 2:111-144 '66.

## DON VALLEY—REVOLUTION, 1917-1921

Counterrevolutionary contacts between the Central Rada and the White Guard units of the Don Cossacks. T. M. Kolishor. Ukr. ist. zhur. 10 no. 12:86-90 D '66.

## DONETS', MYKHAILO IVANOVYCH

Stefanovich, M. P. Mykhailo Ivanovich Donets'. Kyiv, Myatetsko, 1965. 36 p. (CaOTU)

## DONETS BASIN—CINNABAR

Dispersion halo of cinnabar in the coal seam of Sofia dome of Nikitovka mercury deposit. O. H. Dvornikov. Dop. AN URSR no. 11:1490-1492 '66.

## DONETS BASIN—COAL

Pilot plant coking of charge mixtures with addition of coal concentrate from "Zapadno-Donbasskaya No. 1" coal mine. IU G. Filizov and others. Koks i khim. no. 1956-9 '66.

## DONETS BASIN—COAL—CARBONIZATION

Technological characteristics of coals from the newly built mines of the Eastern Donets Basin. A. K. Garbar, A. S. Zhidko. Koks i khim. no. 6:3-6 '62

## DONETS BASIN—COAL GEOLOGY

Dependence of the anisotropy of temporary resistance to uniaxial compression of rocks in Donets Basin coal deposits on certain geological factors. IU I. Bilotskiy. Koks i khim. no. 11:137-1440 '66

## DONETS BASIN—COAL MINES AND MINING

The mine that is most dear. P. Skubko. Sov. shakht. 12 no. 4:3. Ap '63

Second birth of the Donets Basin. M. I. Ilyev. Sov. shakht. 12 no. 4:14. Ap '63

## DONETS BASIN—COAL MINES AND MINING—COSTS

Increase in capital yield is essential factor of cost reduction in mine building. V. P. Skhatov. Shakht. stroit. 10 no. 11:7-11. N '66

## DONETS BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Give slopes the highest possible load. A. I. Lagor'. Ugol' 11 no. 12:19-22. D '66

Mining 80, 112 tons of anthracite in 30 workdays. M. T. Borovkov. Ugol' 11 no. 12:16-19. D '66

## DONETS BASIN—COAL MINES AND MINING—SAFETY MEASURES

Reorganize the arrangement of waste disposal dumps. N. A. Nosenko. Shakht. stroit. 10 no. 11:11. N '66

## DONETS BASIN—COAL PREPARATION

Preparation of coal from "Zapadno-Donbasskaya No. 1" mine. I. A. Hashkevich and others. Koks i khim. no. 10:3-5 '66

## DONETS BASIN—HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Basic parameters of hydraulic mining in making cross-cuts. A. G. Grekov. Shakht. stroit. 10 no. 11:10-13. N '66

## DONETS BASIN—HYDRAULIC MINING—SAFETY MEASURES

Supporting loading footways of feed hoppers at the No. 1 "Krasnarmelskaya" hydraulic mine. N. M. Kordukov, S. I. Kallimov. Shakht. stroit. 10 no. 11:21-23. N '66

## DONETS BASIN—HYDROMICA

Paragenetic hydrocarbons in terrigenous rocks of Greater Donets Basin. G. V. Kuznetsov. Dokl. AN SSSR 171 no. 2:111-113. N '66

## DONETS BASIN—MINE BUILDINGS—LIGHTING

Natural lighting of headframes. A. I. Darbafan. Shakht. stroit. 10 no. 11:30-31. N '66

## DONETS BASIN—SHAFT SINKING

Freezing of mine shafts leads to intensive crumbling of their linings. IU D. Snegirev. Shakht. stroit. 10 no. 11:14-16. N '66

## DONETS BASIN—TITANIUM

Place manifestations of titanium and zirconium in carbonate sediments of southeastern part of Donets Basin. V. A. Efremova. Min. syr'ye no. 14:155-161 '66

## DONETS BASIN—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Dispatcher center in an automotive transportation unit. M. D. Iachenko, V. Z. Zinov'ev. Avt. transp. 41 no. 12, 30, 35. D '66

## DONETS BASIN—VEGETABLES, FOSSIL

Fossil find of vegetable in Upper Paleozoic sediments of Donets Basin. IU, A. Boychenko. Dop. AN URSS no. 11:1183-1194 '66

## DONETS BASIN—WORLD WAR, 1930-1945

Nationwide participation in the restoration of the Donets Basin during the Great Patriotic War. M. F. Khorooshalov. Ukr. ist. zhur. 10 no. 11:110-115. N '66

## DONETS BASIN—ZINCONIUM

Place manifestations of titanium and zirconium in carbonate sediments of southeastern part of Donets Basin. V. A. Efremova. Min. syr'ye no. 14:155-161 '66

## DONETS RIVER—WATER—POLLUTION

Effect of industrial sewage on the Northern Donets River. A. H. Smirnova. Vod., kan., gidr. soor. no. 1:21-29 '66

## DONETS VALLEY—JOINTS (GEOLOGY)

Characteristics of the fracturing of crystalline rocks in the Northern Donets Valley. A. D. Sokolov. Dop. AN URSS no. 7:937-940 '63

## DONETS VALLEY—PETROLEUM REFINERIES

Designing the sewerage systems of a petroleum refinery without the discharge of sewage into the body of water. B. V. Zlotnikov, IU A. Khatlovich. Vod., kan., gidr. soor. no. 1:20-37 '66

## DONETSK—GUIDE BOOKS

Imatov, V. M., and A. E. Stalodubtsev. [Donetsk] Donetsk. [Donetsk], "Donbas," 1963. 1 v.

## DONETSK PROVINCE—ASCARIDS AND ASCARIASIS

Experience in the execution of some organizational measures in a focus of ascariasis in Donetsk Province. A. V. Samsonov. Med. paraz. i paraz. bol. 32 no. 2:145-146. M-Ap '63

## DONETSK PROVINCE—COKE INDUSTRY—BY-PRODUCTS

Extracting isolate from coal tar oils in the presence of pyridine bases. A. K. Spitsyn. Koks i khim. no. 12:34-35 '66

## DONETSK PROVINCE—PUBLIC PROSECUTORS

We should protect and preserve natural resources. M. Baskakov. Rad. prav. 28 no. 12:39-41. D '66

## DOREMA

Ostruthol from Xanthogallium purpureum. G. K. Nikonov, Zh. A. Manaeva, G. I. Pak. Khim. prirod. soed. no. 5:360-361 '66

## DORMANCY IN PLANTS

Content of soluble sugars and free amino acids in the buds and leaves of some species of citrus fruits marked by various intensity of winter dormancy. I. I. Sukova. Sbor. trud. asp. i mol. nauch. soob. VIR no. 2:261-270 '61

Dormant period of the bulbous of Pea bulbosa var. vivipara Koel. M. Kh. Khalilov. Biol. Glav. bot. sada no. 63:70-81 '66

## DORMICE—PARASITES see Parasites—Dormice

## DORMIDONTOV, NIKOLAI KONSTANTINOVICH, 1891-

Selenist, engineer, and pedagog, on the 75th birthday and 50th anniversary of the scientific and pedagogical activities of N. K. Dormidontov. Rech. transp. 25 no. 12:54 '66

## DOSIPEI, ARKHIMANDRIT, d. 1839

The Solovetskiy Library and its founder Father Superior Dositel. N. N. Rozov. Trudy ODR 18:294-301 '62

## DOSTOEVSKII, FEDOR MIKHAILOVICH, 1821-1881

Complete works of Dostoevskii. E. Vagin. V. mite knig 6 no. 10:34. O '66

"Crime and punishment." G. Ponomareva. V. mite knig 6 no. 11:29. N '66

## DOUBLE REFRACTION see Refraction, Double

## DOVZHENKO, OLEKSANDR PETROVYCH, 1894-1956

O. P. Dovzhenko and the extracurricular study of local history. I. Z. Onyschenko. Ukr. ist. zhur. 10 no. 12:106-108. D '66

## DOYLE, SIR ARTHUR CONAN, 1859-1930

Sherlock Holmes in Russia. R. Olinin. V. mite knig 6 no. 12:30-31. D '66

## DRAINAGE

(see also subdivision under Georgia; Krasnodar Territory; Leningrad Province; Polotsky; Ukraine; Yakutia) Calculating the sector for the outlet of water to coastal drains. S. K. Abramov, E. M. Selikh. Trudy Lab. inzh. gidrotekhn. VODGIZ no. 4:69-88 '62

Change in some hydrophysical characteristics of peat under cultivation. Kh. N. Starikov. Vod. khoz. no. 4:58-69 '66

Drainage of a stadium area and a study of its efficiency. S. K. Abramov, A. I. Moisev, E. M. Selikh. Trudy Lab. inzh. gidrotekhn. VODGIZ no. 1:121-131 '62

Investigating the flow and analyzing the operation of drains of the dams of the Kakhovka Hydroelectric Power Station. E. A. Lubochkov. Gidr. stroit. 33 no. 7:10-21. Ji '63

Kadavich, T. A. [Drainage of land by pumping machinery; lectures for correspondence students majoring in "Drainage work"] Osushenie zemel' mashinnyim vodopodnom; lektsii dlia studentov-zachetnikov spetsial'nosti "Gidromekhanika." Pod red. A. D. Panadadi. Moskva, Glav. upr. vysshego i srednego s. -kh. obrazovaniia, 1960. 35 p.

[MICROFILM]

Problems and methods of studying bog and swampy soils in connection with the development of meliorative work in the non-Chernozem zone. I. S. Lupinovich, I. N. Skrynnykova. Pochvovedenie no. 12:10-17. D '66

## DRAINAGE—ECONOMIC ASPECTS see subdivision under Rovno Province; Trubchev Valley

## DRAINAGE—ELECTROMECHANICAL ANALOGIES see subdivision under Ukraine

## DRAINAGE—HYGIENIC ASPECTS see subdivision under Rechitsa (Mogilev Province)

## DRAINAGE, SURGICAL

Symph drainage in radical mastectomy for cancer. F. A. Volnov. Klin. onk. no. 1:85-91 '65

## DRAKE PASSAGE—HYDROLOGY

Hydrology of Drake Passage. V. G. Kori. Sbor. st. V. 1963 prog. MGG no. 15:28-44 '66

## DRAMATIC CRITICISM

For militant theatrical criticism. Tentr. 24 no. 7:3-8. Ji '63

Pogodin, N. F. [Searching, thinking, discovering...; articles, reviews and travel notes, 1953-1962] Iskal', mysli, otkrytiia, i sluzh. i roisenzli, puleve zametki (1953-1962). Moskva, Iskustvo, 1960. 254 p.

## DRAWING—INSTRUCTION

Present status and some means to improve the teaching of drawing in schools for mentally handicapped children. I. A. Gromshenkov. Uch. zap. VGUPT no. 219:157-172 '61

## DRAWING, PSYCHOLOGY OF

Role of drawing in the kindergarten in the preparation of the child's hand for writing. T. S. Krasnaya. Vop. psikh. 12 no. 6:164-171. N-D '66

## DRAWINGS

Gosudarstvennaia Tsvet'akovskaiia galeriia [Drawings, watercolors] Rissmok, akvarel'. Moskva, Sovetskii khudozhnik, 1966. 21 p. 146 illus.

## DREDGING

Complete mechanization of operations on landing and raising grounds and cleaning of roadsteads. O. P. Khminkin. Rinn. prom. 37 no. 4:10-11. Ap '62

## DREDGING MACHINERY

Cleaning mine shaft dumps with the aid of TIG-type single-rail trucks with clamshell. P. I. A. Kuvdyk. Gorn. zhurn. no. 12:65-66. D '66

Device for determining the position of the dredge in the cut. N. N. Nakhonchikov. R. Fed. inzh. Rech. transp. 21 no. 7:50-51. Ji '62

Operating the new dredgers and work boats. A. Zhuravlov. Rech. transp. 25 no. 12:56 '66

Technological process of rubberizing parts of sand pumps. N. S. Penkin. Trudy LVI no. 82:110-116 '65

Using means of hydromechanization for working stumpy peat soils. S. P. Ogorodnikov, A. A. Kalinkin. Izv. vyz. ucheb. zav., stroit. i arkhit. 9 no. 9:72-77 '66

## DREDGING MACHINERY—MAINTENANCE AND REPAIR

Effect of trimming the runners on changes in the characteristics of suction dredges. T. I. Mal'nikov. Izv. vyz. ucheb. zav., gor. zhur. 6 no. 5:133-137 '63

## DRIFTING ICE STATIONS see subdivision under White Sea

## DRILLING AND BORING MACHINERY—ELECTRIC EQUIPMENT

Electric equipment of block mounted drilling rigs. S. S. Lazarev. Prom. energ. 16 no. 1:39-43. Ja '61

## DRILLING MUDS

Experimental study of frictional force in presence of boundary layer of viscoplastic fluid. L. R. Muradov. Azerb. neft. khoz. 45 no. 9:19-21. S '66

Introducing new "absorptive number" parameter into characteristics of weighted muds. A. K. Muskarli. M. V. Gurvich. T. Kh. Mustafayev. Azerb. neft. khoz. 45 no. 9:16-19. S '66

New reagent for stabilizing clay muds. A. T. Khon-Pak and others. Burenie no. 12:6-8 '66

Petroleum hydroxy acids as reagents for the chemical treatment of drilling fluids. M. M. Gurvich, B. K. Zelnikov, R. Sh. Egleva. Dokl. AN Azerb. SSR 19 no. 2:11-16 '63

Results of using gas cut slurry for eliminating circulation losses. V. A. Khushudov, V. V. Balabeghin, A. A. Kozhevnikov. Burenie no. 12:3-5 '66

## DROZYSHEVO (OMSK PROVINCE)—MILKING PARLORS

Our "carrousel." K. Igoshchev. Agitator no. 18:20-28. S '62

## DRUGS

Reaction of irradiated animals to the intravenous injection of some pharmacological substances. O. A. Brikhina. Vop. radiobiol. 4:93-98 '61

Syrups and essential oils as corrigents of liquid drugs. A. I. Tenisova. Apt. delo 12 no. 1:21-26. Ja-T '63

## DRUGS—EFFECT ON BACTERIA see Bacteria, Effect of drugs on

## DRUGS—EFFECT ON MICRO-ORGANISMS see Micro-organisms, Effect of drugs on

## DRUGS—PHYSIOLOGICAL EFFECT

Changes in the reaction of the blood system to some pharmacological actions in rabbits with a radiation sickness of moderate severity. I. V. Remlova. Vop. radiobiol. 4:99-104 '61

## DRUGS—PHYSIOLOGICAL EFFECT (Continued)

Dependence of the reactivity of the developing organism to pharmacological agents from the function of the pituitary-adrenal system. I. V. Mironov. Trudy LPMI no 32 87-95 '65

Some characteristics of the excitability of the myocardium during distolic. V. A. Frolov, A. A. Abundin, E. A. Demurov. Trudy 1-go MIM 13 51-54 '65

DRUGSTORES see subdivision under Zaraisk District

## DRY ICE

Generation of ice crystals. P. G. Kuntsevskii, L. M. Rozy. Trudy UFNIGMI no 53 110-116 '66

Kinetics of formation of artificial precipitation and dissipation of supercooled status using solid carbon dioxide. M. V. Buzikov, V. I. Sigal, V. K. Tarasnik. Trudy UFNIGMI no 53 3-94 '66

Kinetics of formation of artificial precipitation from supercooled cumulus clouds using solid carbon dioxide. M. V. Buzikov, A. M. Fridman. Trudy UFNIGMI no 53 95-100 '66

## DRYING APPARATUS

Simple apparatus for drying live plague and tularemia vaccines. V. N. Sagatovskii, V. K. Kiselev. Trudy Gosnauch 1961 protivochum. inst. 16:49-55 '59

## DRYING APPARATUS—DESIGN AND CONSTRUCTION

Experience in the operation of tubular dryers at the Coal Preparation Plant No. 105 of Karamay Basin. I. A. Tsukan, V. F. Popenko, B. V. Ivanov. Ugol' 41 no 12,58-61 D '66

## DRYING OILS

Efficient system of heat exchange in oil oxidation. U. U. Mukhlin, V. P. Myltsev, I. U. A. Petrenko. Masl. zhur. prom. 28 no 6 36 3c '62

Production of flaxseed oil for the manufacture of drying oils. V. P. Myltsev. Masl. zhur. prom. 28 no 6 31-32 Jr '63

## DUBOSSARY RESERVOIR—INFUSORIA

Distribution of bottom infusorians in Dubossary Reservoir. M. F. Ilyashenko, I. P. Chotik. Izv. AN Mold. SSR no 5:58-66 '65

## DUBOSSARY RESERVOIR—PARASITES—FISHES

Characteristics of parasites of main commercial fishes in Dubossary Reservoir in relation to Dniester River regulation. N. M. Evmenko-Marits, Paraz. zhur. 1961 no 1,17-25 '65

## DUBOUKA, ULADZIMIR MIKALAEVICH, 1900-

Dubau, Dzmitryi, [Uladzimir Dubouka; critical and biographical sketch] Uladzimir Dubouka, kityka-bilagatsichny narys. [Minsk] Belarus' [1965] 183 p. (CY)

## DUBROVNIK, YUGOSLAVIA—GUILDS

Organizational forms of Dubrovnik guilds in the 14th-16th centuries. N. P. Mananchikova. Vop. Ist. slav. no 2: 25-50 '66

## DUCKS—DISEASES AND PESTS

Testing the therapeutic and prophylactic properties of fuzazolidone in paratyphoid fever of ducklings. P. S. Butyrina, V. G. Lisenikov. Sborn. nauch. rab. SNIIV no 11 140-151 '62

DUCKS—PARASITES see Parasites—Ducks

## DÜRER, ALBRECHT, 1471-1528

Portrait of the sun in the gravure by Vasilii Koren, the derivation of this portrait from A. Durer and its influence on V. Matakovich. D. M. Moldavskii. Trudy OIRL 22 447-449 '66

DUCHEV, IVAN, 1907—BIBLIOGRAPHY see Bibliography—Dulchev, Ivan, 1907-

DUMP TRUCKS—MAINTENANCE AND REPAIR see subdivision under Belgorod

## DUMPING SYNDROME

During syndrome in patients with a history of stomach resection and gastrectomy. A. S. Gadzhiev. Sov. med. 26 no 3:90-102 Mr '63

Functional state of the liver in patients with postresection decompensation of digestion (dumping syndrome). S. P. Markin, R. G. Nikitina. Khirurgia 42 no 11 47-53 N '66

## DUODENUM—DIVERTICULA

Diverticula and diverticulolike protrusions of the duodenal bulb. S. I. Nazarov. Trudy Novokuz GIDUVA 32:92-96 '65

Significance of duodenography during a state of artificial hypotension in the diagnosis of duodenal diverticula. L. I. Dobychina. Trudy Novokuz GIDUVA 32:87-90 '65

Some clinical and X-ray characteristics of duodenal diverticula. S. I. Nazarov. Trudy Novokuz GIDUVA 32:100-104 '65

## DUODENUM—SURGERY

Our experience in the resection of the initial segment of the small intestine and duodenum following resection of the stomach. A. M. Betanelli. Trudy Inst. im. N. V. Sklif. 7:131-136 '63

Resection of the stomach in cancer with direct anastomosis of the gastric stump and the duodenum. I. U. I. Buzikov. Vop. onk. 9 no 3:119-123 '63

Reversion of the duodenum following experimental resection of the stomach. A. S. Gadzhiev. Trudy Inst. im. N. V. Sklif. 7:128-131 '63

## DUODENUM—TUMORS

Leiomyoma of the duodenum simulating peptic ulcer. N. M. Sokolina, G. V. Voronin. Khirurgia 42 no 11 137-136 N '66

## DUODENUM—ULCERS

Modification of S. G. Topolov's operation: resection of the stomach with exclusion of inoperable duodenal ulcers. A. S. Gadzhiev. Azerb. med. zhur. 10 no 4:70-72 Ap '63

## DURALUMIN

Engineering properties of specimens made of Al-6 duralumin and subjected to upsetting under a pneumatic hammer and a friction press. I. S. Zhelebov. Trudy GPT 15 no 2:70-77 '59

## DURNEV, ANDREI IVANOVICH, 1904-1963

Andrei Ivanovich Durnev, obituary. Izv. vyz. ucheb. zav. i nauch. i spets. no 1149-151 '63

## DUST—REMOVAL

Cleaning of dust from roofs of steel foundry shops. V. I. Sidenko, I. U. V. Petrenko. Prom. stroi. 14 no 11 33-34 '66

## DYES AND DYEING

Growth of alum crystals in presence of direct printing dye. V. N. Potimov, Kristallografiia 11 no 6 916-920 N-D '66

Investigations in the area of coloring polyester sheet glass plastic. A. I. Volk, M. N. Vopriskova, K. A. Guzdar. Sborn. trud. VNINSMA no 7 89-97 '66

New dyes for ethyl fluid and ethylated gasoline. E. I. Zabolotskii and others. Khim. i tekhn. topl. i masel 11 no 11:52-54 N '66

Plastic grinding of vat and dispersed dyes. L. S. Mai, L. M. Golomb. Khim. prom. Ukr. no 6:13-17 N-D '66

Purification of sewage resulting from the production of active triazine dyes. A. G. Zekhorzhenskaya. Vol. 1, Pan. i gidr. soor. no 1:37-46 '66

Rheological properties of solutions of azomethine acid dyes. M. N. Kasimova, E. M. Aleksandrova. Trudy MIMTI no 11 38-41 '63

Synthesis of nonsymmetrical indigo dyes of the series of thienophthalonitrile. G. V. Vavilova, B. I. Stepanov. Trudy MIMTI no 42:53-56 '63

## DYES AND DYEING—DACHON

Some kinetic characteristics of the process of dyeing the polyester fiber lavsan with indigol. M. V. Andreeva, P. V. Moryganov. Izv. vyz. ucheb. zav. i tekhn. tekhn. prom. no 5:99-104 '66

## DYES AND DYEING—LEATHER

Aleksandrov, A. A. [Handbook for colorists in the chrome leather industry]. Spravochnik kolorista proizvodstva khromovykh kozh. Moskva, Legkaya Industriia, 1966, 255 p.

## DYES AND DYEING—RAYON

Effect of the physical and chemical structure of acetate fibers on their dyeing with dispersion dyes. N. P. Stepanova and others. Izv. vyz. ucheb. zav. i tekhn. tekhn. prom. no 5:111-115 '66

## DYES AND DYEING—TEXTILE FABRICS

Improved dyeing of textile fabrics. M. Saakian, A. Alvezian, M. Kruglova. Prom. Arm. 6 no 10 69-70 '66

Lightfastness of fabrics dyed with procion and active dyes after the treatment with finishing preparations and fixing agents. K. N. Mochalina. Tekst. prom. 26 no 12 48-51 D '66

## DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC

Fourth Scientific and Technical Conference on the Technology and Use of Dyes. Held in Rubezhnoye. L. M. Golomb. Zhur. VIKHO 11 no 6:684-686 '66

Study of the dyeing of fibers made from an acrylonitrile. N. E. Barvinskaya, M. V. Korchagin, I. A. Shikanova. Izv. vyz. ucheb. zav. i tekhn. tekhn. prom. no 5:116-119 '66

## DYES AND DYEING—YARN

Study of the suspension method of yarn dyeing on bobbins with vat dyes. M. I. Artym, V. B. Klenov. Izv. vyz. ucheb. zav. i tekhn. tekhn. prom. no 5:105-110 '66

## DYMKOVO (KUROV PROVINCE)—TOYS

Novik, B. M. [A trip after the Dymkovo toys]. Puteshestvie za dymkovskoi igruшкой, Moskva, Znanie, 1966, 70 p. (Prochi, tovarishchi)

## DYNAMICS

Various forms of equations of motion for nonholonomic systems in holonomic coordinates. L. H. Lobas. Dop. AN URSS no 11:1436-1440 '62

## DYNAMOMETER

Improvement of the dynamometer of a tractor engine. V. M. Sheptovitskii. Zap. LSKHI 96 112-146 '65

Results of testing the RMI-5 dynamometer. V. D. Ishakov, L. V. Ilyushin. Zap. LSKHI 96 137-141 '65

DYNAMOS see Electric generators

## DYSENTERY

Age-related changes in the sensitivity of mice to dysentery infection under conditions of the continuous administration of ionizing radiation. P. A. Buzina. Vop. radio-biol. 1:12-18 '61

Data on the study of intestinal microflora in dysentery in young children. Report No. 2, author's abstract. Kh. P. Gamlochko. Zhur. mikrobiol. i epid. i immunit. 33 no 6 93-91 Jr '62

Interaction of indicators and free dysentery phages in their effect on growth reaction. D. M. Nedoludko. Zhur. mikrobiol. i epid. i immunit. 33 no 11:55-51 Jr '66

## DYSENTERY—MICROBIOLOGY

(see also subdivision under Russia, Northern)

Circulation and excretion of microbes and antigens in experimental dysentery. Z. M. Andreeva. Zhur. mikrobiol. i epid. i immunit. 33 no 6:22-27 Jr '62

## DYSPERSIA

Development of anicteric and atypical forms of Botkin's disease. A. G. Vinogradova. Azerb. med. zhur. 40 no 4:26-32 Ap '63

Effectiveness of the use of gastric juice. Kh. K. Koshnina, M. I. Mulin. Veterinaria 13 no 11 62 N '66

Epileptical notocame block in dyspepsia of calves. P. A. Solodukhin. Veterinaria 13 no 12:61-65 D '66

Etiology of dyspepsia in newborn calves. V. I. Dul'nev, I. P. Lilenkov. Veterinaria 43 no 1 65-69 Jr '67

Indices of the metabolism of vitamins A and C and carotene in healthy and dyspeptic calves. B. M. Anokhin. Veterinaria 13 no 11:58-59 N '66

Mechanism of the action of salt solutions in dyspepsia of calves. A. F. Koltyshev, A. N. Egorov, E. A. Ostrovskaya. Veterinaria 13 no 11:60-62 N '66

Pathogenesis and prophylaxis of toxic dyspepsia in calves. N. F. Khushnudinov, S. D. Vlasov. Veterinaria 43 no 1 69-70 Jr '67

Treating dyspepsia in calves. V. G. Muradov. Veterinaria 43 no 12:58-59 D '66

Treatment of dyspepsia in calves using fibrin antibiotics and nitrofurans. P. E. Kozhin, V. I. Sorokin. Veterinaria 43 no 1 70-73 Jr '67

## DZAGUROV, DMITRII ALEKSEEVICH, 1883-1966

D. A. Dzagurov, an obituary. Izv. Sev.-Oset. nauch. i issl. inst. 25:330-313 '66

## DZEGAMCHAY VALLEY—GEOLOGICAL TIME

New data on age of volcanic sedimentary formation in upper Dzegamchay Valley (Lesser Caucasus). T. Ab. Gasanov, G. I. Kozlov. Izv. AN Azerb. SSR. Ser. nauk o zeml. no 1 32-37 '66

## DZERZHINSKII, FELIKS EDMUNDOVICH, 1877-1926

A life devoted to the revolution. III, German. Agitation no 16,23-25 Ag '62

## DZHAMBUL—FERTILIZER PLANTS—EQUIPMENT AND SUPPLIES

Dismantling and assembling anhydride refrigerators. V. A. Kulakov. Mont. i spets. rab. v stroi. 28 no 12 8-10 D '66

## DZHAMBUL PROVINCE—SOCIALIST COMPETITION

Man's honor depends on his labor. I. Amisimov. Sov. profsoyuzy 22 no 24 21-22 D '66

## DZHANYBEK REGION (KAZAKHISTAN)—SOLONETZ SOILS

Water conditions of reclaimed soils of the Solonetz complex under forest belts. G. S. Bazykina. Pochovovedenie no 12:64-76 D '66

## DZHEZKAZGAN REGION (KAZAKHISTAN)—ALBITES

Authigenic albitization of enclosing rocks as important criterion in deciphering genesis of rhodostite mineralization in Dzhezkazgan type deposits. O. B. Beiseev. Dokl. AN SSSR 171 no 2 439-442 N '66

## DZHEZKAZGAN REGION (KAZAKHISTAN)—CORN (MAIZE)

Dynamics of the flowering of corn in the Dzhezkazgan Desert. T. Mylnaev. Vest. AN Kazakh SSR 10 no 1:73-78 Jr '63

## DZHEZKAZGAN REGION (KAZAKHISTAN)—RHODUSTITE

Authigenic albitization of enclosing rocks as important criterion in deciphering genesis of rhodostite mineralization in Dzhezkazgan type deposits. O. B. Beiseev. Dokl. AN SSSR 171 no 2 439-442 N '66

## DZHEZKAZGAN REGION (KAZAKHISTAN)—STRIP MINING

Stopping landslides by blasting. T. A. Kiseev and others. Gor. zhur. no 11:27-28 N '66



#### DZULUKUL' LAKE REGION--BIRDS

Summer ornithological observations in the region of Lake Dzulu-Kul' T. A. Nisov. Izv. Alt. i Geogr. obshch. SSSR no. 3:61-64 '63

#### DZUN-KHEMCHUKSKIY DISTRICT--INSCRIPTIONS, TURKIC

Inscription on the Khala-Uzhu rock Z. B. Atagachi, D. M. Nislov. Uch. zap. Tuv. nauch.-issl. inst. Ser. 3, III t. 1 no. 10:257-263 '63

#### DZUNGARIAN ALATAU--FOLDS (GEOLOGY)

Methodology of studying plicated structures by drawings of drag folds Sh. A. Bakkenov and others. Izv. AN Kazakh SSR Ser. geol. 23 no. 5:61-62 S-O '66

#### DZUNGARIAN ALATAU--GEOCHEMISTRY

Primary dispersion halos of Western Tekeli in Dzungarian Alatau Sh. A. Bakkenov and others. Izv. AN Kazakh SSR Ser. geol. 23 no. 5:63-68 S-O '66

#### DZUNGARIAN ALATAU--GEOLOGY, STRUCTURAL

Methodology of studying plicated structures by drawings of drag folds Sh. A. Bakkenov and others. Izv. AN Kazakh SSR Ser. geol. 23 no. 5:61-62 S-O '66

#### DZUNGARIAN ALATAU--ORE DEPOSITS

Primary dispersion halos of Western Tekeli in Dzungarian Alatau Sh. A. Bakkenov and others. Izv. AN Kazakh SSR Ser. geol. 23 no. 5:63-68 S-O '66

#### EARTH--FIGURE

Comparing formulas for determining the shape of the earth M. I. Marych. Izv. vys. ucheb. zav., geod. i aerof. no. 3:69-75 '62

An estimate in the theory of the earth's figure. I. V. Monin. Dop. AN URSR no. 7:879-882 '63

Method for studying the shape of the earth without using a normal field. I. F. Monin. Izv. vys. ucheb. zav., geod. i aerof. no. 3:69-75 '62

#### EARTH--ROTATION

Regular variations of earth's velocity of rotation and effect of solar corpuscular streams on trail of earth's magnetosphere. V. I. Afanas'eva. Gromag. i aerof. 6 no. 6:1094-1095 N-D '66

#### EARTH--SURFACE

Analysis of spatial distribution of magnetic field as method of studying subsurface structure of earth's crust G. I. Kuznetsova. Blul. MOIP, Old. geol. 41 no. 4:146-147 XI-Ag '66

Recent tectonics as indicator of anomalous thickness of earth's crust V. G. Ryphter, I. S. Volynovskii. Sov. geol. 9 no. 12:118-123 D '66

Relation between inclinations of the earth's surface and atmospheric pressure N. N. Ionychev. Izv. AN Turk. SSR Ser. fiz.-tekhn. i khim. i geol. nauk no. 5:20-25 '62

Relation between inclinations of the earth's surface, earthquakes and temperature N. N. Ionychev. Izv. AN Turk. SSR Ser. fiz.-tekhn. i khim. i geol. nauk no. 4:12-48 '62

Solution of certain external boundary problems for the earth's surface. V. V. Dvovar. Izv. vys. ucheb. zav., geod. i aerof. no. 1:55-72 '63

Study of structure of earth's crust and upper mantle using "Zemlya" seismic station. I. V. Pomenitsheva. Blul. MOIP, Old. geol. 41 no. 4:149 XI-Ag '66

#### EARTH CURRENTS

Some results of study of natural electric field in sea. V. I. Lopatinikov. Trudy Mor. gidrofiz. inst. AN URSR 37:154-162 '66

#### EARTH DAMS

Determining the density of the ground of hydraulic fill structures V. P. Anisipkin. Glaz. stroi. 33 no. 7:22-26 XI '63

Relation between dislocations and stresses on points of vertical face contact of prism of granular soils. A. K. Bugrov. Izv. vys. ucheb. zav., stroi. i arkh. 9 no. 9:35-43 '66

#### EARTH MOVEMENTS

(see also subdivision under Voronezh Valley)  
Effect of cosmic magnetic field on movements of earth and on elements of terrestrial magnetism. N. I. Sigachev. Trudy Mor. gidrofiz. inst. AN URSR 37:189-198 '66

Geodetic methods for studying movements of the earth's crust. A. A. Izotov. Izv. vys. ucheb. zav., geod. i aerof. no. 1:13-9 '63

Some opinions on the development of erosion. A. V. Tsygankov, S. I. Nikitin, V. M. Alashin. Uch. zap. Volg. gos. ped. inst. no. 10:141-148 '64

#### EARTH TEMPERATURE

(see also subdivision under Altai Mountains; Azerbaijan; Caspian Lowland; Caucasus; Northern)

Rusin, N. P. [The heat balance of our planet] Teplovoi balans nashoi planety. Moskva, Znanie, 1967. 63 p. (Novoe y zhizni, nauka, i tekhnika. XII seria: Nauka o Zemle, no. 1)

#### EARTH MOVING MACHINERY

Effect of the size of a cutting ring on the determination of the volumetric weight of soil. O. E. Dobrovinskaya. Trudy Lab. inzh. gidrogeol. VODGEO no. 4:172-175 '62

Machinery for power systems construction. T. L. Omel'yanova. Energ. stroi. no. 8:55-61 '66

New machinery. Stroi. i dor. mash. 8 no. 6:35-36 Je '63

New machinery for breaking up frozen soils. B. M. Orllov. Energ. stroi. no. 8:61-69 '66

Principles of the organization of consolidated brigades engaged on a business accounting basis in the operation and repair of machinery L. Kh. Galabchik, G. D. Davydov, A. P. Degtyarev. Energ. stroi. no. 8:69-74 '66

#### EARTHMOVING MACHINERY--DESIGN AND CONSTRUCTION

Determining the height of benches during mining with use of cantilever waste stackers. I. D. Stroudnikov, A. R. Giamatunov. Goi. zhur. no. 11:25-27 N '66

EARTHQUAKES see subdivision under Pacific Ocean

#### EARTHQUAKES AND BUILDING

Calculating rod systems for seismic stresses. R. I. Pogorelova, I. A. Egorov. Izv. vys. ucheb. zav., stroi. i arkh. 9 no. 9:43-48 '66

Comment for earthquake-proof building B. V. Volkonskii, N. P. Sholert. Tsement 32 no. 6:3-1 N-D '66

New contribution to knowledge of seismic stability in structures T. Rashidov, V. T. Raskozovskii. Stroi. i arkh. Uzb. 7 no. 11:43-44 N '66

Study of seismic stability of horizontal joints of large-panel buildings of series 1-467 AS S. V. Paltakov and others. Stroi. i arkh. Uzb. 7 no. 11:4-4 N '66

#### EARTHWORK

Determination of volume of earthwork in construction of foundations for vertical cylindrical steel tanks. Z. O. Landis. Transp. i khran. nefi i nefteprod. no. 10:12-14 '66

#### EARTHWORK--TABLES, CALCULATIONS, ETC.

Monograms for determining volume of earthwork in vertical planning of territory. I. A. M. Chokha. Prom. stroi. 44 no. 11:46-48 '66

EAST (FAR EAST) see Far East

EAST (NEAR EAST) see Near East

EAST (SOVIET FAR EAST) see Soviet Far East

EAST GERMANY see Germany, East

#### EAST KAZAKHISTAN PROVINCE--STATE FARMS--MANAGEMENT

Specialization of state farms in East Kazakhstan Province R. Turkarin. Ekon. setkhaz. 42 no. 11:74-81 N '66

#### EAST SIBERIAN SEA--SEA LEVEL

Rhythmically in nonperiodical variations of level of East Siberian Sea. I. A. Dinklin, L. G. Toporkov. Trudy ANNI 277:141-146 '66

EASTERN EMPIRE see Byzantine Empire

EASTERN EUROPE see Europe, Eastern

EASTERN SIBERIA see Siberia, Eastern

#### ECHINADZIN--AGRICULTURE--SAFETY MEASURES

No. 1 to industrial accidents. A. Panchan. Okhr. truda i sloz. strakh. 9 no. 12:4-9 D '66

#### ECHO VIRUSES

Hemagglutinating properties of enteroviruses ECHO 7. N. R. Gultman, I. I. Fal'kova. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:114-123 '65

Method of obtaining polyvalent sera against Coxsackie and ECHO viruses. Z. F. Zubova, N. M. Gordienko, T. R. Borushtka. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:209-217 '65

#### ECHO VIRUSES--CULTURES AND CULTURE MEDIA

Phenomenon of interference of enteroviruses in experiments on tissue cultures. Report No. 2; Use in capacity of interfering agent of nontypophthogenic viruses L. M. Mentkovich. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:145-151 '65

#### ECLIPSES, LUNAR

Possibility of 22-year cycle in earth penumbra brightness during lunar eclipses. A. Markov. Astron. tsit. no. 3:64-7 Q '64

ECLIGITE see subdivision under Ural Mountains

#### ECONOMIC ASSISTANCE, DOMESTIC

Zlomanov, L. P., and I. S. Rybakov. [What industry does for agriculture] Promyshlennost'-sel'skoyu khoz. i. Moskva, Ekonomika, 1966. 88 p. (Aktualnye problemy ekonomiki sel'skogo khoz. i. stva)

#### ECONOMIC ASSISTANCE, RUSSIAN

(see also subdivision under Africa)

Bogulavskii, M. M. [Legal problems of U.S.S.R. aid to foreign countries and licensing agreements] Pravovye voprosy pomoshchi SSSR inostrannym gosudarstvam i litsenzirovannye dogovory. Moskva, Izd-vo Akad. nauk SSSR, 1963. 244 p. (NN)

Influence of the building of communism in the U.S.S.R. upon the progress of the human race M. D. Solov'ev. Trudy LPI no. 26:113-123 '66

ECONOMIC GEOGRAPHY see Geography, Economic

#### ECONOMIC HISTORY

Capitalist economy in 1966. L. Menzliniskii. Nov. vrem. 25 no. 2:6-11 Ja '67

Kolunov, V. M. [Development of the social character of the process of production during the period of the general crisis of capitalism, methodological textbook for students of the higher party schools] Razvitiye obshchestvennogo kharaktera protsessov proizvodstva v period obshchego krizisa kapitalizma, uchebno-metodicheskoe posobie dlia slushatelei VPSH. Gor'kii, Gor'kovskaya vysshaya partinina shkola, 1965. 70 p. (CSI-11)

#### ECONOMIC HISTORY--YEARBOOKS

[International yearbook: Politics and economics, 1966] Mezhdunarodnyi ezhegodnik: Politika i ekonomika. Vypusk 1966 g. Moskva, Politizmat, 1966. 335 p.

ECONOMIC ZONING see subdivision under Uzbekistan

#### ECONOMICS

(see also subdivision under Ukraine)

The basic economic law and the problem of improving the efficiency of social production. V. M. Ageev. Uch. zap. Mosk. gos. univ. no. 48:222-237 '65

The classification of special fields of economic science. A. Chernin. Kommunist 43 no. 10:106-108 D '66

Economic laws of socialism A. Pashkov. Plan. khoz. 43 no. 1:9-10 Ja '67

Kaganov, E. D. [Socialist reproduction and the market] Sotsialisticheskoe vosproizvodstvo i rynek. Moskva, Ekonomika, 1966. 189 p.

Khodzhayev, A. M., ed. [Political economy; the pre-socialist means of production] Politicheskaya ekonomiya, dosotsialisticheskoye sposoby proizvodstva, [By] A. M. Khodzhaev i dr. Moskva, Vysshaya shkola, 1966. 335 p.

Kuleshov, V. V. [Characteristics of the operation of the economic laws of socialism and their use; a lecture delivered at one-year higher economics courses] Osobennosti deystviya ekonomicheskikh zakonov sotsializma i ikh ispol'zovanie, lektsiya, prochtannaya na vysshikh godichnykh ekonomicheskikh kursakh. Shakhly, Vysshie godichnyye ekon. kursy rukovodivshchikh rabotnikov ugol'noi promyshl., 1966. 35 p. [MICROFILM]

Livshits, A. L. [Necessary and surplus product under socialism] O neobkhodimom i pribavochnom produkte pri sotsializme Moskva, Znanie, 1967. 47 p. (Novoe v zhizni, nauka, i tekhnika. XII seria: Ekonomika, no. 1) Once more on noncapitalist development. R. G. Landa. Nar. Az. i Afr. no. 6:30-38 '66

Plinenov, A. A. [Cognition and use of the economic laws of socialism, a lecture delivered for students of higher economics courses] Poznaniye i ispol'zovanie ekonomicheskikh zakonov sotsializma, lektsiya, prochtannaya dlia slushatelei vysshikh ekonomicheskikh kursov. Novochebassk, Novochebasskii polittekh. in-t, 1966. 22 p. [MICROFILM]

Plans and the market. V. Starodubrovskii. V mire knig 6 no. 12:5 D '66

Political economy and special fields of economic science. I. Itin. Kommunist 43 no. 10:106-108 D '66

Satisfying the needs of the people is an objectively ascertained goal of socialist production I. Adamov. Komm. Ukr. 31 no. 12:27-36 D '66

The subject of political economy. G. Anisimov. Kommunist 43 no. 10:90-99 D '66

#### ECONOMICS--BIBLIOGRAPHY see Bibliography--Economics

#### ECONOMICS--METHODOLOGY

Methodological Council of the Economics Departments of higher party schools. Uch. zap. Kaf. sov. ekon. Vys. partshkoly no. 3:132-133 '64

#### ECONOMICS--STUDY AND TEACHING

[In step with life; collection of articles on practice in teaching political economy] V nogu a zhizni; sbornik statov ob opyte prepodavaniya politicheskoi ekonomii. Moskva, Vysshaya shkola, 1965. 134 p.

#### ECONOMICS, MATHEMATICAL

Aggregation in the interbranch balance. N. V. Dzhinin, I. U. Arkhangelski. Ekon. i mat. metod. 2 no. 6: 841-847 N-D '66

Criteria of optimality in the layout of industrial materials for arbitrary shape blanks. I. A. Zabolot. Ekon. i mat. metod. 2 no. 6:863-869 N-D '66

The interbranch balance and models of the reproduction of the means of production. A. Kats. Vop. ekon. no. 12:52-65 D '66

Mathematical formulation of the scheme of operation of the law of value. I. U. El'khenval'd. Ekon. i mat. metod. 2 no. 6:850-862 N-D '66

Method for calculating differentiation in the living standard of families taking into consideration differences in sex and age. V. I. A. Raitsin, E. M. Poberzhskaya. Ekon. i mat. metod. 2 no. 6:848-855 N-D '66

## ECONOMICS, MATHEMATICAL (Continued)

- Nikol'skaya, E.V.** [Use of mathematical methods in the planning for printing enterprises] *Primenenie matematicheskikh metodov v planirovaniye poligraficheskikh predpriyatiy, uchebnoe posobie*. Nauch. ted. L. M. Khel-fets. Moskva, Mosk. politekh. in-t, 1965. 121 p.  
Optimal distribution of the production plan among enter-prises and factories. P. T. Tsernichenkov. *Ekon. i matemat. 2* no. 6 920-921 N-D '66  
Optimization of work in the heating department of a blooming mill. I. V. Kravtsov. *Ekon. i matemat. 2* no. 6 925-931 N-D '66  
Production function of the national economy of the U.S.S.R. in 1941-1963. B. N. Mikhailovskiy, I. U. P. Solov'yev. *Ekon. i matemat. 2* no. 6 823-830 N-D '66  
Use of mathematical methods in determining the depen- dence of fixed and capital assets on the volume of trans- portation. V. G. Smekhalov. *Izudy MIP* no. 2 48-59-70 '66

## ECONOMICS, MATHEMATICAL—CONGRESSES

- Mezhdunarodnyy nauchnyy seminar po voprosam optimiza- tsii planirovaniya i mikhrotrazlovoogo balansirovaniya, 1965.** [Problems of optimal planning, materials]. *Problemy optimal'nogo planirovaniya, materialy*. Pod red. A. N. Efimova. Moskva, Ekonomika, 1966. 292 p.

## ECZEMA

- Electroencephalographic examination. P. M. Leonenko. *Vest. dermatov.* no. 12 16-21 '62  
Treatment of exudative-catarrhal diathesis in newborn infants. V. N. Gerdarov. *Aerob. med. i fiz.* 40 no. 9 67-69 '63

## EDDY ELECTRIC CURRENTS see Electric currents, Eddy

## EDITING

- Let us talk about our profession. N. Kartavov. *Sov. radio i tel.* 12 no. 4 1-2 M, '63.

## EDUCATION

- (see also subdivision under Germany, East; Nigeria; South Asia; Tatar A.S.S.R.; United States; Uzbekistan)

- Children of the October Revolution. Al. Mikhalev. *Sem'ia i shkola* 21 no. 11 1 N '66  
Lenin's documentary materials relating to public educa- tion, October 1917-January, 1923. *Sov. pedagog.* 30 no. 6 109-121 Jc '66  
Let us prepare for the 50th anniversary of the October Revolution in a proper way. N. Naumov. *Nar. obr.* no. 12 81 D '66  
Transforming science into a direct productive force. R. I. Aleksandrova. *Uch. zap. Mord. gos. univ.* no. 18 189-201 '65

## EDUCATION—AIMS AND OBJECTIVES (see also subdivision under Poland)

- Contemporary concepts of basic education. S. Mor- zhan. *Sov. pedagog.* 30 no. 8 112-121 Jc '66  
Education abroad, according to TASS Agency material. *Sov. pedagog.* 30 no. 6 132-135 Jc '66  
General meeting at the Academy of Pedagogical Sciences of the R.S.F.S.R. V. Lebedev. *Sov. pedagog.* 30 no. 3 156-158 Ag '66  
Lectures on the subject of "V. I. Lenin and education" in Ivano-Frankovsk Province, D. S. Kostenko. *Ukr. ist. zhurn.* 10 no. 11 159 N '66  
"Mirovynushka" plays the trumpet. M. Tsentser. *Sem'ia i shkola* 21 no. 12 4-6 D '66  
School and life. N. I. Piragov. *Sem'ia i shkola* 21 no. 12 31-33 D '66  
The Sovietist Revolution and the school (1917-1918). I. I. Kurolev. *Z. I. Lavrin*. *Sov. pedagog.* 30 no. 6 89-102 Ag '66  
Some problems in the study of public education. I. A. Khabikov. *Sov. pedagog.* 30 no. 6 83-92 Jc '66  
Some trends in the development of pedagogical science. N. K. Goncharov. *Sov. pedagog.* 30 no. 6 111-123 Jc '66  
The 23d Congress of the CPSU and the task of raising the level of educational theory. I. A. Kurolev. *Sov. pedagog.* 30 no. 8 3 20 Ag '66  
We are for education without unnecessary tutelage. E. Shatskaya. *Mol. komm.* no. 3 61-61 M '61  
What is education? A. V. Lunacharskiy. *Sem'ia i shkola* 21 no. 11 17-18 N '66  
Word and deed. *Nar. obr.* no. 12 1-5 D '66

## EDUCATION—CURRICULA

- Recommended program for educating the students of eight-year and secondary schools. I. S. Nar'enko. *Sov. pedagog.* 30 no. 6 56-61 Jc '66

## EDUCATION—EXHIBITIONS AND MUSEUMS

- Know and love your country. V. Goncharenko. *Nar. obr.* no. 12 58-69 D '66.

## EDUCATION—EXPERIMENTAL METHODS

- Experience confirms. V. Kumaria. *Nar. obr.* no. 12 40-44 D '66.  
An experimental system of elementary education. L. Zankov. *Nar. obr.* no. 12 32-39 D '66

- Gratifying results. A. Krotov. *Nar. obr.* no. 12 43-49 D '66.

## EDUCATION—FINANCE

- The development of public education and the budget. V. B. ... *Nar. obr.* no. 12 31 D '66

## EDUCATION—STUDY AND TEACHING see subdivision Kughizistan

## EDUCATION, COOPERATIVE

- It should help them studies. B. I. Kissin, N. N. Terpilov- skiy. *Vest. vys. shkoly* 21 no. 12 30-32 D '66

## EDUCATION, ELEMENTARY

- Gratifying results. A. Krotov. *Nar. obr.* no. 12 43-49 D '66.

## EDUCATION, HIGHER

- (see also subdivision under Azerbaijan)  
[Bulletin of the Ministry of Higher and Secondary Special- ized Education of the U.S.S.R.] *Bull. Min. vys. i sred. spets. obr. SSSR* nos. 11-12 N-D '66  
A leader and good adviser. A. P. Shaposhnikova. *Vest. vys. shkoly* 21 no. 12 52-55 D '66  
Let us read the ancient builders of communism; a review of letters to the editor. *Agitirob.* no. 10 50-53 Ag '62  
Soviet institutions of higher education at the "EXPO-67." I. V. Gorolichuk. V. I. Formishev. *Vest. vys. shkoly* 21 no. 12 17-19 D '66.

## EDUCATION, PRESCHOOL (see also subdivision under Omsk Province)

- A conference of the active workers in preschool educa- tion in Moscow. *Doshk. vosp.* 39 no. 12 78 D '66  
A letter of the active workers of preschool education in Moscow to kindergarten teachers. *Doshk. vosp.* 39 no. 12 79 D '66.  
A problem that should be removed from the agenda. E. Efimova. *Doshk. vosp.* 39 no. 12 80-81 D '66.  
Toward the 50th anniversary of the Great October Revolu- tion. *Doshk. vosp.* 39 no. 12 3-6 D '66

## EDUCATION, PRIMARY

- A child begins to learn. L. Aldarova. *Sem'ia i shkola* 21 no. 12 10-11 D '66  
A new type of textbook for primary graders. E. A. Dmit- riev. *Sov. pedagog.* 30 no. 6 13-51 Jc '66.

## EDUCATION, RURAL

- (see also subdivision under Perm Province)  
Local soviets and the schools. M. Fedin. *Nar. obr.* no. 12 15-16 D '66.

## EDUCATION, SECONDARY

- Measures for further improvement in the work of second- ary schools of general education. *Sov. pedagog.* 30 no. 12 1-6 D '66  
New developments in the work of Soviet schools, an interview with Comrade M. A. Prokof'ev. *Kommunist* 13 no. 2 81-90 J '67.  
The ways to improve the work of secondary schools of general education. *Nar. obr.* no. 12 6-8 D '66

## EDUCATION OF CHILDREN

- Bumislav, N. N.** [Pedagogical work with the sick child] *Pedagogicheskaia rabota s bol'nym rebenkom*, Moskva, Meditsina, 1964. 157 p. (DNLM)

## EDUCATIONAL ACCELERATION

- Psychological premises of accelerated training in eve- ning schools. A. I. Luptkina. *Sov. pedagog.* 30 no. 6 76-82 Jc '66.

## EDUCATIONAL ANTHROPOLOGY

- Man and his education from the standpoint of contem- porary bourgeois anthropology. T. F. Aikha. *Sov. pedagog.* 30 no. 12 116-131 D '66

## EDUCATIONAL PSYCHOLOGY

- Active participation of students in classwork in the light of educational psychology. S. F. Zinikov. *Sov. pedagog.* 30 no. 8 58-60 Ag '66.

- Krutevskiy, V. A., ed.** [Problems of the psychology of the abilities of schoolchildren] *Voprosy psikhologii spetsialnostei shkol'nikov*, Moskva, Prosveshchenie, 1964. 258 p. (NIC)

- We are for education without unnecessary tutelage. E. Shatskaya. *Mol. komm.* no. 3 61-64 M '61.

- The world is close and it is full of secrets. O. Konopkin. *Sem'ia i shkola* 21 no. 12 29-30 D '66

## EDUCATIONAL RESEARCH

- (see also subdivision under Czechoslovakia; United States)

- A child begins to learn. L. Aldarova. *Sem'ia i shkola* 21 no. 12 10-11 D '66

- Internal and external stimuli to learning. A. I. Rosen- berg. *Sov. pedagog.* 30 no. 8 53-59 Ag '66

- Main trends in research on didactics. M. N. Skatkin. *Sov. pedagog.* 30 no. 8 21-34 Ag '66.

- Principles and means of studying the intellectual development of young schoolchildren. A. A. Liubim- skaya. *Sov. pedagog.* 30 no. 6 93-102 Jc '66

- Recommended program for educating the students of eight-year and secondary schools. I. S. Nar'enko. *Sov. pedagog.* 30 no. 6 56-61 Jc '66

- Some problems of the logic of pedagogical research. T. N. Anisimov. *Sov. pedagog.* 30 no. 8 60-70 Ag '66

## EFFICIENCY, INDUSTRIAL (see also subdivision under Krtvoy Rog)

- The essential and the most important factor. A. Fedorov. *Mol. komm.* no. 4 63-70 Ap '61

- Improving the efficiency of industrial production. A. I. Rumyantsev. *Uch. zap. Kat. sov. efon. Vys. part. shkoly* no. 3 3-8 '63

- A realized dream. *Mol. komm.* no. 3 28-29 M '61.  
Stimulate workers' enthusiastic efforts in the building of communism. S. S. Stepanov. *Uch. zap. CHIMIA II* no. 23 73-80 '63

- Toward the victory of the communist form of labor. A. Petrov. *Mol. komm.* no. 1 11-18 Ap '61

- Who shall carry out the decisions of the Congress of the Party. V. Beliaev. *Mol. komm.* no. 11 13-14 N '61

## EGOISM

- Do not make light of children's egoism. V. Korotkaya. *Sem'ia i shkola* 21 no. 12 8-9 D '66

## EGYPT—RIGHT OF PROPERTY

- Perepelkin, Iu. Ia.** [Private property in the conception of the Egyptians of the Old Kingdom] *Chastnaya sobstvennost' v predstavlenii egiptian Starogo tsarstva*. Moskva, Nauka, 1966. 125 p. (Palestinskiy sbornik, no. 10)

## EHRENBURG, IL'IA GRIGOR'EVICH, 1891-

- People, years, life. Book 5 (conclusion). I. Ehrenburg. *Nov. mir* 39 no. 3 116-139 M '63.

## EIDUS, KHAIM TEVELEVICH, 1896-

- Kh. T. Eidus on his 70th birthday. G. I. Podpalova. *Nar. Az. i Afr.* no. 6 157-156 '66

## EIDUS, KHAIM TEVELEVICH, 1896—BIBLIOGRAPHY see Bibliography—Eidus, Khaim Tevelovich, 1896-

## EIGENFUNCTIONS

- Asymptotic behavior of the eigenvalues and eigenfunctions in a boundary value problem. S. S. Kritekha. *Dop. AN URSR* no. 7 866-871 '63

## EIGENVALUES

- Asymptotic behavior of the eigenvalues and eigenfunctions in a boundary value problem. S. S. Kritekha. *Dop. AN URSR* no. 7 866-871 '63

- Problems concerning eigenvalues with parameter in boundary conditions for elliptic equations degenerate in part of domain boundary. A. N. Komarenko. *Ukr. mat. zhurn.* 18 no. 6 3-11 '66.

- Problems involving eigenvalues for second-order differen- tial equations in Banach and Hilbert spaces. G. I. Lapidus. *Dif. urav.* 2 no. 9 1151-1160 S '66.

## ELASMOBRANCHII

- Phylogeny of Elasmobranchii. N. N. Disler. *Zool. zhurn.* 45 no. 11 1673-1685 '66

## ELASTIC PLATES AND SHELLS

- Axisymmetric elastoplastic stressed state of shells of revolution. A. I. Borisuk. *Prikl. mekh.* 2 no. 11 47-54 '66.

- Bending of a sectorial plate reinforced by elastic ribs. P. G. Goloskokov. *Trudy LITV* no. 81 119-127 '65.

- Bending of a thin isotropic plate having a hole of general kind considering thermal stresses. E. F. Bumistov, K. S. Napriazh. no. 1 53-58 '65.

- Bending of reinforced plates. V. I. Tul'chik. *Konts. napriazh.* no. 1 256-262 '65.

- Calculating shells of revolution with a small hole at the top subjected to asymmetric and inversely asymmetric loading. V. I. Kruglikova. *Konts. napriazh.* no. 1 153-163 '65.

- Calculation of cylindrical shells on an elastic foundation by V. Z. Vlasov's variation method. V. I. Nikolau. *Trudy SoluzMorNIPI* oekt no. 9 58-63 '66

- Calculation of plates on an elastic foundation and piling. A. Varvak. *Stroi i arkhit.* 11 no. 6 33-35 Ag '63.

- Concentration of moments around holes caused by the bending of thin plates considering physical nonlinearity. A. V. Stepanov. *Konts. napriazh.* no. 1 230-250 '65.

- Considering the conditions of the fastening of cylindrical shells to an elastic foundation. V. I. Nikolau. *Trudy SoluzMorNIPI* oekt no. 9 63-71 '66.

- Convergence of small parameter method in solution of problem of bending nonorthotropic clamped plates. V. S. Sarkasian. *Izv. AN Arm. SSR, Mekh.* 19 no. 2 230-30 '66.

- Critical loads for areas weakened by holes with cracks. A. A. Kaminikii. *Konts. napriazh.* no. 1 130-136 '65.

- Determining elasticity coefficient of conjugation of cir- cular cylindrical shell with end wall. L. S. Burehlein. *Zap. LGI* 39 no. 3 39-45 '61

## ELASTIC PLATES AND SHELLS (Continued)

Determining stress concentration around a hole in a shell (in linear formulation) I. I. Chirnykh, *Konts. napriazh.* no. 1 312-117 '65

Development of two cracks of unequal length V. V. Panashov, B. L. Lashov, *Dop. AN URSR* no. 11141-1147 '62

Dynamic stresses in a thin elastic plate weakened by a circular hole, R. N. Shchets, *Konts. napriazh.* no. 1 318-125 '65

Effect of the creep of material on stress concentration around a circular hole in a plate, L. P. Khoshnab, *Konts. napriazh.* no. 1 299-101 '65

Elastic equilibrium of an anisotropic plate with a finite number of elliptic holes reinforced with flexible rings, V. A. Shvetsov, *Prikl. mekh.* 2 no. 11 15-21 '66

Elastoplastic state around a reinforced hole in a spherical shell V. V. Vasil'ev, I. V. Chirnyshenko, *Konts. napriazh.* no. 1 74-77 '65

Experimental investigation of spherical bottoms weakened by holes beyond elastic limit, A. N. Gruz', P. S. Polnikov, *Prikl. mekh.* 2 no. 11 130-133 '66

Infinite plate with rectangular hole under hydrostatic pressure on inner contour V. N. Kozhynikova, *Zap. LGI* 39 no. 3 46-62 '61

Influence of concentrated actions on shallow shells, I. U. A. Shchepak, V. P. Shchepak, *Konts. napriazh.* no. 1 326-137 '65

Investigating stress concentration around a circular hole in a hyperbolic shell using the photoelastic method, I. I. Volynskiy, V. I. Savchenko, M. D. Lenchak, *Konts. napriazh.* no. 1 85-92 '65

Investigating stress concentration around holes caused by the bending of the plate, B. L. Polikh, *Konts. napriazh.* no. 1 200-206 '65

Investigating stressed state of spherical shells in case of multi-concentric areas, A. N. Gruz', *Konts. napriazh.* no. 1 121-119 '65

Limit equilibrium of a plate weakened by a system of cracks located along a straight line at an angle in the direction of tension, I. I. Bozhnitskiy, *Konts. napriazh.* no. 1 46-52 '65

Limit equilibrium of a plate weakened by internal pointed cuts, A. P. Gruz', *Konts. napriazh.* no. 1 101-110 '65

Local stability of shells, V. P. Shchepak, *Prikl. mekh.* 2 no. 11 120-129 '66

Nonsteady zero-moment creepage of shells of revolution, R. M. Kharosyan, *Izv. AN Arm. SSR, Mekh.* 19 no. 2: 57-62 '66

One possible case of the loss of stability of a plane-shaped flexure of a rectangular strip, B. D. Annin, I. U. Volchikov, *PMTF* no. 3 88-89 My-Je '62

Optimum design of a reinforced cylindrical shell under uniform external pressure, A. I. Manevich, *Dop. AN URSR* no. 7: 875-878 '63

Physically nonlinear elastic plates weakened by an arbitrary hole, I. A. Tsypal, *Konts. napriazh.* no. 1: 305-311 '65

Putting boundary problems in the statics of shallow shells for multiconnected areas, V. I. Gulyaev, A. I. Simevskiy, *Konts. napriazh.* no. 1 125-129 '65

Sliding zones in the tension of thin plates with rectilinear cuts, P. M. Vitvitskiy, *Konts. napriazh.* no. 1 78-85 '65

Stability of circular cylindrical shells in creep, A. P. Kuznetsov, L. M. Kutshin, *PMTF* no. 3 66-72 My-Je '62

Stability of transversally isotropic circular plates, A. P. Melnikova, A. A. Khairutdin, *Izv. AN Arm. SSR, Mekh.* 19 no. 2: 31-39 '66

Stress distribution in a spherical shell around reinforced curvilinear holes, K. I. Shchepak, *Prikl. mekh.* 2 no. 11: 55-62 '66

Stress concentration around a hole ellipsoidal shell of revolution, V. N. Buiivol, *Konts. napriazh.* no. 1 59-63 '65

Stress concentration around curvilinear holes in plates and shells, G. N. Savin, *Konts. napriazh.* no. 1 5-38 '65

Stress concentration in anisotropic and laminar shells of revolution, A. P. Mukoed, *Prikl. mekh.* 2 no. 11: 37-46 '66

Stressed state in a spherical shell weakened by two curvilinear holes, A. N. Gruz', K. I. Shchepak, *Konts. napriazh.* no. 1 120-124 '65

A sufficient condition for the existence of a supplementary load causing zero-torque condition in the shell, P. I. Kudach, *Konts. napriazh.* no. 1 174-178 '65

Supercritical deformation of elastoplastic cylindrical shells, O. M. Pail, *Prikl. mekh.* 2 no. 11: 31-38 '66

Thermal stresses in thin plates with reinforced edge, I. U. M. Kollano, *Konts. napriazh.* no. 1 137-146 '65

Transcritical deformation energy of thin elastic shells, A. V. Pogorelov, *Dokl. AN SSSR* 171 no. 2 310-312 '66

## ELASTIC PLATES AND SHELLS—CONGRESSES

Vsesoyuznaya konferentsiya po teorii obolochek i plastinok, 6th, Baku, 1966. [Proceedings of the Sixth All-Union Conference on the Theory of Shells and Plates] Trudy, Moskva, Nauka, 1966, 1015 p.

## ELASTIC PLATES AND SHELLS—VIBRATION

Vibrations of plates in a gas flow, G. A. Marchenko, A. P. Filippov, *Prikl. mekh.* 2 no. 11: 133-137 '66

Vibrations of two cylindrical concentrically arranged shells in inviscid liquid flow, B. M. Buiivol, O. M. Huz', *Dop. AN URSR* no. 11: 1412-1415 '66

## ELASTIC SOLIDS

Generalization of the Griffith-Sneddon criterion for the case of a nonuniformly elastic solid, V. I. Mozhayevskiy, M. I. Ryba, *Konts. napriazh.* no. 1 179-187 '65

Solution of two-dimensional boundary value problems of the statics of an anisotropic elastic body, M. O. Bashchinskii, *Trudy Vych. tsentra AN Gruz. SSR* 1 91-139 '62

## ELASTIC SOLIDS—THERMAL PROPERTIES

Effect of foreign macroinclusions on the distribution of temperature fields and stresses in elastic solids, I. V. Podsiyagach, *Konts. napriazh.* no. 1 207-210 '65

## ELASTIC WAVES

Production of GaSe single crystals and determination of their elastic parameters, Kh. M. Khalilov, K. I. Rzayev, *Kristallografiya* 11 no. 6 929-931 N-D '66

Propagation of an elastic wave of expansion in a cylindrical anisotropic nonhomogeneous plate, V. D. Fuhrikov, *Konts. napriazh.* no. 1 161-173 '65

Propagation of elastic waves along a cylindrical cavity filled with a conducting fluid, I. F. Selezov, *Konts. napriazh.* no. 1 235-232 '65

## ELASTIC WAVES—SCATTERING

Extreme value of differential cross section of elastic scattering, G. G. Arushanov, *Zhur. eksp. teoret. fiz.* 51 no. 5 1402-1404 N '66

Slowing down of dislocation resulting from elastic wave scattering on impurities, A. M. Kosovich, V. D. Natsik, *Zhur. eksp. teoret. fiz.* 51 no. 1 1207-1219 O '66

## ELASTIC WAVES—SPEED

Elastic wave velocity in specimens of eutypite and metamorphic rocks under pressures of up to 1000 kg/cm<sup>2</sup>, E. I. Baluk, *Trudy Inst. fiz. Zem.* no. 37 16-36 '66

Elastic wave velocity under pressures of up to 10,000 kg/cm<sup>2</sup> in chlorite schists of southern Sakhalin, M. P. Volynskiy, M. F. Skol'kova, I. S. Tomashevskaya, *Trudy Inst. fiz. Zem.* no. 37 61-67 '66

## ELASTICITY

Concerning R. F. Ill'ius article "Dynamics of descending and ascending parts of hoisting rope," N. P. Nerisov, *Zap. LGI* 39 no. 3 163-169 '61

Equations of plane problem of different resistivities or modularity theory of elasticity, S. A. Ambatsuman, *Izv. AN Arm. SSR, Mekh.* 19 no. 2: 3-19 '66

Investigating methods for solving the contact problem in the theory of elasticity, M. S. Krolevets, *Prikl. mekh.* 2 no. 11: 66-82 '66

## ELASTICITY—BOUNDARY VALUE PROBLEMS

Use of  $p$ -analytic functions in solving one problem in axisymmetric theory of elasticity for laminated finite cylinder, A. A. Kapshchik, *Vych. mat. (Kiev)* no. 2 115-123 '66

Use of summory representation method in numerical solution of mixed boundary value problem in two-dimensional theory of elasticity, V. P. Gutsun, *Vych. mat. (Kiev)* no. 2 186-192 '66

## ELASTICITY, EFFECT OF TEMPERATURE ON

Effect of temperature on the elasticity modulus of rocks under high pressure, Z. I. Shakhovskaya, *Trudy Inst. fiz. Zem.* no. 37 157-169 '66

## ELECTIONS

Sharovskiy, N. G. [Proceedings for organizing and conducting elections to the soviets] Porjadok organizatsii i provedeniya vyborov v Sovety, Moskva, Iurid. lit-1, 1967, 69 p.

## ELECTRIC ANESTHESIA

[Electroanesthesia in surgery] Elektroniko v khirurgii, [By] M. I. Kuzin i dr. Tasikoni, Meditsina, URSR, 1966, 182 p. (DNLM)

## ELECTRIC APPARATUS AND APPLIANCES

Lakushnikov, I. G. [Optical systems in photoelectric instruments] Opticheskie sistemy fotoelektricheskikh ustroystv, Moskva, Mashinostroyeniye, 1959, 158 p.

Replacement of copper with aluminum in electric equipment repair operations, S. I. A. Bolotin, *Prom. energ.* 10 no. 1 25-26 Ja '61

Synchronization of outdye with automatic amplitude control R. Krivitskaya, V. Leasanskis, *Izv. vys. ucheb. zav. radiofiz.* 9 no. 6 1334-1237 '66

## ELECTRIC ARC

Ac erosion of the main contactors of electrical apparatus during commutation of large currents, N. N. Nikiforovskiy, *Elektrichestvo* no. 12 35-39 D '66

Longitudinal flow of plasma in an electric arc, O. B. Bron, L. K. Sushkov, *Elektricheskaya* 37 no. 12 1-7 D '66

## ELECTRIC BATTERIES—MAINTENANCE AND REPAIR

Reconditioning positive plates, I. U. Babayev, G. I. Khomirov, *Avi. transp.* 44 no. 12 35-36 D '66

## ELECTRIC BREAKDOWN see Breakdown, Electric

ELECTRIC BRUSHES see Brushes, Electric

## ELECTRIC CABLES

Ozenol, M. I., and V. G. Sobolov, [Flexible mine cables] Shikhlye gibkie kabeli, Moskva, Nedra, 1966, 245 p.

## ELECTRIC CHARGE AND DISTRIBUTION

Averaged equation of motion of charged particles in stationary random electromagnetic field, A. G. Litvak, *Izv. vys. ucheb. zav. radiofiz.* 9 no. 6 1229-1231 '66

## ELECTRIC COILS

Method for calculating inductance coils for simulating distribution networks of open pit mines, K. B. Masov, N. K. Smirnov, *Izv. vys. ucheb. zav. energ.* 9 no. 11 20-30 N '66

## ELECTRIC CONDUCTIVITY

Electronic theory of catalysis and the experiment, T. T. Volkenshtein, *Usp. khim.* 35 no. 7 1277-1291 Ji '66

Ionic and electronic processes taking place in hydrocarbons in a condensed phase under the effect of radiation, E. L. Iankovich, *Usp. khim.* 35 no. 7 1161-1165 Ji '66

Studying electroconductivity of polyacetylene, I. G. Melnikova and others, *Izv. AN Arm. SSR, fiz.* 1 no. 1 102-105 '66

## ELECTRIC CONDUCTIVITY, EFFECT OF TEMPERATURE ON

Electric conductivity of crystalline rocks of the Kola Peninsula at high temperatures, A. T. Bondarenko, *Trudy Inst. fiz. Zem.* no. 37 192-198 '66

Electric conductivity of Kazakhstani rocks at high temperatures, E. I. Parfomenko, A. A. Bircelutskaya, B. M. Urzayev, *Trudy Inst. fiz. Zem.* no. 37 180-191 '66

## ELECTRIC CONDUCTORS

Calculation of multiphase shielded current conductors, O. V. Tolom, O. E. Zakharenko, *Teor. elektrichestvo*, no. 1 133-140 '66

## ELECTRIC CONTACTORS

Ac erosion of the main contactors of electrical apparatus during commutation of large currents, N. N. Nikiforovskiy, *Elektrichestvo* no. 12 35-39 D '66

Certain regularities of changes in properties of contact materials prepared by methods of powder metallurgy, P. S. Ilyukhin, *Prom. met.* 6 no. 11 85-88 N '66

Determination of the temperature of electric contacts during their disconnection, I. I. Kim, V. T. Onufrenko, S. N. Khram, *Vest. AN Kazakh SSR* 22 no. 12 14-20 Ji '66

Effect of rear contact on volt-ampere characteristics of diode, G. M. Avak'yan, G. Khachimov, *Izv. AN Arm. SSR, fiz.* 1 no. 2 85-84 '66

Volt-ampere characteristics of diode with clamped rear contact, G. M. Avak'yan, G. Khachimov, *Izv. AN Arm. SSR, fiz.* 1 no. 3 170-181 '66

## ELECTRIC CONTROLLERS

Use of potential in impedance measurements of electrolytic cells by means of alternating current bridge, L. L. Knots, D. I. Iekits, V. N. Alexeev, *Elektricheskaya* 2 no. 11 1269-1272 N '66

## ELECTRIC CRANES—DESIGN AND CONSTRUCTION

Liquidation of the corrosion of interior surfaces of electric bridge crane beams, V. T. Andreyev, *Bezop. truda v prom.* 7 no. 5 30-31 My '63

## ELECTRIC CURRENT CONVERTERS

Frequency converter for regulating an asynchronous motor based on a current inverter with electronic commutation, A. V. Natsikhin, *Izv. vys. ucheb. zav., elektromekh.* 9 no. 10 1121-1128 '66

Mechanical method for studying transients in frequency converters in inverter operation, I. I. Kontar, I. U. P. Vasil'ev, A. F. Rezhnikov, *Izv. vys. ucheb. zav., elektromekh.* 9 no. 10 1136-1141 '66

Method for studying transient processes of circuits containing rectifiers (converters, inductances, and e.m.f.), L. B. Neiman, A. V. Posse, M. A. Slonim, *Elektrichestvo* no. 12 7-12 D '66

Modeling of breakdown currents in semiconductor rectifiers, V. I. Shul'nikov, E. V. Kolchev, *Izv. vys. ucheb. zav., elektromekh.* 9 no. 10 1147-1154 '66

Static converter of a one-phase system into a two-phase system with invariable balance, A. K. Shydlovskiy, *Dop. AN URSR* no. 7 900-902 '63

## ELECTRIC CURRENT RECTIFIERS

Analytical method for calculating and studying electromagnetic transients in circuits with rectifiers, I. A. Zhorovskiy, A. A. Ianko-Tshitskiy, *Teor. elektrichestvo*, no. 1 77-83 '66

Analytical method for studying transients and steady-state processes in a three-phase bridge rectifier network, I. A. Zhorovskiy, A. A. Ianko-Tshitskiy, *Elektrichestvo* no. 12 3-6 D '66

Electromagnetic processes in a three-phase bridge rectifier regulated by saturable reactors with free choke bias, A. A. Tsvetkov, V. S. Ishevskiy, *Izv. vys. ucheb. zav., elektromekh.* 9 no. 11 1261-1270 '66

Network for simulating the quenching of rectifiers of large rectifier systems, A. S. Znosyukin, G. B. Chernikov, *Izv. vys. ucheb. zav., elektromekh.* 9 no. 10 1132-1135 '66

## ELECTRIC CURRENT RECTIFIERS (Continued)

- Operation of inverters in low-power stabilized rectifiers  
Elektr. tekhnika 37 no. 12 29-32 D '66
- Precise determination of the basic characteristics of  
low-power regulated silicon rectifiers S A Nakh-  
imov, Izv. Vsesoyuz. nauch. ts. 1966 140 '66
- Special case of parameter optimization of a rectifier  
unit V I Yakubovskiy, I P Tarasenko, Izv. v  
oblasti tekhn. i elektromekh. 9 no. 10 1142-1146 '66
- Special features of the operation of an asynchronous  
rectifier stage with silicon rectifiers A A Sen'kevich,  
G B Onishchenko, Elektrichestvo no. 12 40-43 D '66
- Transient electrical processes during the restoration of  
back voltage in series connected silicon rectifiers F A  
Bordere, Elektrichestvo no. 12 66-71 D '66
- Types of pulse modes in a phase rectifier and its  
construction I U M Shumko, Teor. elektrotekh. no. 1 141-149 '66

## ELECTRIC CURRENT RECTIFIERS—MATHEMATICAL MODELS

- Mathematical modeling of the external characteristics of  
a regulated rectifier A P Tikhonov, Izv. v ob-  
lasti tekhn. i elektromekh. 9 no. 10 1129-1131 '66

## ELECTRIC CURRENT RECTIFIERS—TESTING

- Equivalent circuits for testing and studying rectifiers  
N S Klimov, Elektrichestvo no. 12 25-29 D '66

## ELECTRIC CURRENTS

- Generation of electric oscillations in semiconductor  
carrying direct current, G. M. Avak'yan, Sh. Kamil-  
zov, Izv. AN Arm. SSR, Fiz. 1 no. 2 105-110 '66
- Limiting current to rotating disk electrode as depending  
on concentration of foreign electrolyte V V Mal'kov,  
I A V Durdin, Elektrichestvo no. 11 1334-1338  
N '66

## ELECTRIC CURRENTS—GROUNDING

- "Seasonal" coefficients for groundings A I Yakobson,  
M B Yul'far, Elektrichestvo no. 12 15-20 D '66
- Use of reinforced concrete foundations of power line  
towers for groundings in rocky soils, N. P. Katigrokh,  
Elek. stn. 37 no. 11 62-64 N '66
- Well groundings in districts with permafrost, V K  
Red'kin, Elek. stn. 37 no. 11 57-59 N '66

## ELECTRIC CURRENTS, EDDY

- Formulation of a problem on the calculation of eddy  
currents in bodies with random form, F. I. Petrusenko,  
Izv. v oblasti tekhn. i elektromekh. 9 no. 11 1181-1184  
'66

## ELECTRIC DISCHARGE LIGHTING

- Development of spot lights with quartz incandescent  
lamps and tungsten-iodine cycle, V M Tsar'kov,  
Svetotekhnika 13 no. 1 20-24 Ja '67
- Selection of the gas for discharge lamps, G. S. Sarychev,  
Svetotekhnika 13 no. 1 15-16 Ja '67
- Special features of strip-type quartz discharge lamps,  
V P Kirsanov, S V Troshkin, Svetotekhnika 13  
no. 1 12-15 Ja '67

## ELECTRIC DISCHARGES

- Radiation of a spark between metallic contacts, I. Z.  
Fisher, V G. Barlahevskiy, Dokl. AN BSSR 6 no. 6 380-  
382 Je '62

## ELECTRIC DISCHARGES THROUGH GASES

- Determination of the coefficient characterizing the rate of  
evaporation of an element and its diffusion in an arc  
discharge plasma G V Ovechkin, Sh. Bakhtovarshev,  
Dokl. AN BSSR 10 no. 9 647-651 S '66
- Effective cross section of electron scattering in helium  
and argon plasmas with admixture of potassium vapor  
and in pure potassium, I. M. Polushkin, D. I. A. Dudko,  
Ukr. fiz. zhur. 11 no. 11 1269-1270 N '66
- Experimental study of properties of electric discharge  
in air flow V I Afierov, A. S. Bushmin, B. V. Kalachev,  
Zhur. eksp. i teor. fiz. 51 no. 5 1281-1287 N '66
- Kinetics and mechanism of conversion of simplest  
hydrocarbons in glow discharge at low pressure,  
Part 2, E. N. Borisova, E. N. Eremin, Zhur. fiz. khim.,  
40 no. 11 2713-2718 N '66
- Spectroscopic studies of glow discharge through air,  
M. M. Bogorodskiy, E. N. Eremin, Zhur. fiz. khim.  
40 no. 11 2771-2773 N '66
- Stationary concentrations of nitrous oxide in discharge,  
Part 7, L. M. Kryukhina, A. N. Mal'nev, E. N. Eremin,  
Zhur. fiz. khim., 40 no. 11 2784-2788 N '66
- Thermalization of electrons in short arc plasma in cesium  
vapors N D. Morzhulis, D. I. A. Dudko, Ukr. fiz. zhur.,  
11 no. 11 1267-1269 N '66

## ELECTRIC DOUBLE LAYER

- Effect of some organic substances on structure of double  
electric layer on platinum, V. E. Kazorin, G. N.  
Mansurov, Elektrichestvo no. 11 1338-1340 N '66
- Effect of surface-active ions on adsorptive and catalytic  
properties of platinum and palladium, G. D. Zakum-  
baeva, D. V. Sokol'skiy, Trudy Inst. khim. nauk AN  
Kazakh SSR 14.9-56 '66
- Study of the structure of double electric layer on gallium  
by method of electrocapillary curves, A. M. Morozov,  
N. B. Grigor'ev, I. A. Bagotskaya, Elektrichestvo no. 11  
1235-1239 N '66

## ELECTRIC DRIVING

- Calculating electric synchronous drive with a cyclic  
loading in case of a varying coefficient of the shape  
of loading curve M A Orudzhev, M. M. Rasnolov,  
F. I. Gubova, Za tekh. prog. 1 no. 12 26-28 D '66
- Calculation of mechanical transitions of electric drives  
with varying moment of inertia Sh. Khalas, Elek-  
trotekhnika 37 no. 12 7-8 D '66
- Equations of the dynamics of an electric drive with a  
frequency converter I I Epshteyn, Elektrichestvo  
37 no. 12 9-12 D '66
- Institut elektromekhaniki, [Electric drives and control  
systems] Elektropriivod i sistemy upravleniya, Mo-  
skva, Nauka, 1966, 235 p.
- Khamudkhanov, M. Z., ed. [Frequency speed control of  
a.c. drives with automatic regulation from rectifier-  
converters] Chastotnoye regulirovaniye skorosti elektri-  
cheskikh dvigatel'ov s avtomaticheskimi upravleni-  
yem i ventil'nykh preobrazovateley, [By] M. Z. Kha-  
mudkhanov i dr., Tashkent, Fan, 1966, 441 p.
- Kuznetsov, B. V. [Choice of electric motors for industrial  
mechanisms] Vybór elektrodvigatel'ia k proizvodstven-  
nym mekhanizmam, Minsk, Belarus', 1966, 158 p.  
(Biblioteka elektromontera, no. 17)
- Optimal trajectories of transient processes of electric  
drives P S Bondarenko, A. S. Kozhikhin, Izv. v ob-  
lasti tekhn. i elektromekh. 9 no. 10 1085-1091 '66
- Selection of optimal parameters of a drive with given  
response G A Chislikina, Izv. v oblasti tekhn. i  
elektromekh. 9 no. 10 1092-1101 '66

## ELECTRIC ENGINEERING

- Defense of dissertations for the degree of Candidate of  
Technical Sciences, P. A. Ionkin, Izv. v oblasti tekhn. i  
elektromekh. 9 no. 6 793-786 N-D '66
- Lel'turka, A. [Theoretical electric and radio engineer-  
ing] Teoreticheskaia elektrotekhnika i radioelekhnika,  
Riga, Zvaigzne, 1966, 295 p. [In Latvian]

## ELECTRIC ENGINEERING—DICTIONARIES

- [Czech-Russian dictionary on electrical engineering and  
electronics. Approximately 30,000 terms] Cheshko-  
Russkii slovar' po elektrotekhnike i elektronike, Okolo  
30 000 terminov, Moskva, Sovetskaya Entsiklopediya,  
1966, 524 p.

## ELECTRIC ENGINEERING—PERIODICALS

- Index of articles published in "Elektrichestvo" for 1966  
Elektrichestvo no. 12 85-90 D '66
- Index of articles published in "Elektrotekhnika" for 1966  
Elektrotekhnika 37 no. 12 61-64 D '66
- Regulations for preparation of articles for publication in  
"Elektrichestvo" Elektrichestvo no. 12 93 D '66

## ELECTRIC ENGINEERS—REWARDS, PRIZES, ETC.

- Awarding the A. S. Popov Prize by the Academy of Sciences  
of the U.S.S.R. for 1965 M S. Nelman, Izv. v ob-  
lasti tekhn. i elektromekh. 9 no. 6 797 N-D '66

## ELECTRIC EQUIPMENT INDUSTRY see sub-division under KIRGHIZISTAN

## ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS see sub-division under ERIVAN; Ural Mountain region

## ELECTRIC FIELDS

- Calculation of a plane-meridional static field in a non-  
linear medium O. V. Toront, Teor. elektrotekh. no. 1  
128-132 '66
- Effect of internal field on diffusion in semiconductors  
N. M. Budina, A. A. Vasil'ev, D. A. Popov, Fiz. tsvet-  
l. 8 no. 7 2248-2250 Ji '66
- Electrostatic effect in triglycine sulfate single crystals,  
B. A. Strukov, Kristallografiia 11 no. 8 892-895 N-D  
'65
- Positive column between coaxial cylinders (radial cur-  
rent) A. M. Rezikin, Izv. AN Arm. SSR, Fiz. 1 no. 1  
222-226 '66
- Theory of spin-lattice relaxation of conduction electrons  
in strong electric field V. P. Kalashnikov, Fiz. tsvet-  
l. 8 no. 7 2130-2136 Ji '66

## ELECTRIC FILTERS

- New principle of the construction of three-phase asymmet-  
rical component filters, O. M. Milikha, A. K. Snydlov-  
skiy, Dop. AN URSS no. 11 1464-1468 '62
- Optimal two-channel filter with finite memory, L. N.  
Lipatov, Avtom. i telemek. no. 11 158-160 '66
- Results of the testing of multipolar electric filters,  
N. G. Zalogin, I. L. Tarnavskiy, G. S. Chekanov,  
Teplenergetika 8 no. 2 28-35 F '61
- Study of a differential FM discriminator with staggered  
circuits I. U. L. Bogodskiy, Trudy VNIIRT no. 1 123-  
133 '64

## ELECTRIC FISHING

- Behavior of Black Sea anchovy regarding underwater  
light sources, E. B. Moliseeva, M. F. Sapin, Ryb. khoz.,  
12 no. 11 18-21 '66

## ELECTRIC FURNACES

- Device for programmed regulation of temperature in the  
electric furnaces (UPR-3), Vest. AN SSSR 36 no. 12;  
32 D '66

## ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

- Temperature conditions of the bath in high-capacity elec-  
tric arc steelmaking furnaces V. S. Koshchuk, Izv. v ob-  
lasti tekhn. i elektromekh. 9 no. 11 1100-1101 N '66

## ELECTRIC FURNACES—EQUIPMENT AND SUPPLIES

- Device for determining the position of the electrode in  
the contact bowl of an arc furnace, A. G. Lebedev,  
Prom. energ. 16 no. 120 Ja '61

## ELECTRIC FUSES

- High-speed fuses with liquid cooling, N. S. Khamudkhanov,  
Elektrichestvo 37 no. 12 43-13 D '66

## ELECTRIC GENERATORS

- Calculation of nonsymmetrical operation of a three-phase  
synchronous generator with permanent magnets and  
solid pole terminals I. T. Tulyashinskiy, M. A. V. V. V.  
Izv. v oblasti tekhn. i elektromekh. 9 no. 11 1203-1211  
'66
- Determination of the forcing coefficient of a static ex-  
citation system V. N. Il'ichev, V. V. Langer, A. S. Gorn-  
skiy, Elektrichestvo 37 no. 12 57-60 Ji '66

- Mathematical modeling of electromechanical transients  
of a synchronous generator with rectifier load, A. P.  
Tikhonov, Izv. v oblasti tekhn. i elektromekh. 9 no. 11  
1216-1253 '66

- [Technology of the manufacture of large electrical ma-  
chines in three parts] Tekhnologiya krupnykh elektri-  
cheskikh mashinostroyeniya v trekh chastyakh, [By] D. M. Ilyin,  
menkants i dr., Moskva, Energiya.

- P. I. Blumenshteyn, D. M. [Heavy machine] Krupnye mashiny, 1966 305 p.

## ELECTRIC INDUSTRIES—INDUSTRIAL CAPACITY

- Yurayev, V. V. [Capital assets and productive capacity  
in the electric industry] Osnovnyye fondy i proizvod-  
stvo moskhnov v elektropromyshlennosti, Red. I. I.  
Nol'dov, Moskva, Mosk. ekon. in-t, 1966, 47 p.

## ELECTRIC INDUSTRY WORKERS—DEBILS AND HYGIENE see sub-division under ERIVAN

## ELECTRIC INDUSTRY WORKERS—REWARDS, PRIZES, ETC.

- Rewarding of power engineering workers participating  
at the Exhibition of the Achievements of the National  
Economy of the U.S.S.R. in 1965, V. N. Doronovskiy,  
Elek. stn. 37 no. 11 95-96 N '66

## ELECTRIC INSTRUMENTS

- Analyzing errors in high-speed testing instruments of  
electric devices, G. S. Akopian, M. G. Ter-Minasyan,  
Izv. AN Arm. SSR, Ser. tekhn. nauk 19 no. 5 76-80 '66
- Stretchers with a low thermoelectromotive force current  
and with optical, Z. A. Tsimfrev, T. G. Petrova, Izv. v ob-  
lasti tekhn. i elektromekh. 9 no. 6 40-42 Je '62

## ELECTRIC INSULATORS AND INSULATION

- Concerning the article "Choice of insulation for 750-  
220 kv, electric power transmission lines in areas  
with a polluted atmosphere," O. G. Veksel'man, Prom.  
energ. 16 no. 1 60 Ja '61
- Electric insulating pyroceramics on basis of rock  
minerals, K. S. Khatatadze, R. D. Verbitskiy,  
Stek i ker. 23 no. 11 24-27 N '66
- High-quartz, low-potential, finely dispersed porcelain  
for insulators, R. I. Chudakov, Stek i ker. 23 no. 11  
33-36 N '66
- Measuring the insulation parameters of a white low-  
voltage network, L. S. Tonkushin, L. G. Fakhutdin,  
Izv. v oblasti tekhn. i elektromekh. 9 no. 6 168-173 '61
- Prospects for decreasing insulation levels in networks  
exceeding 500 kv, M. M. Akodis, A. A. Gritskov,  
V. N. Smetanin, Izv. v oblasti tekhn. i elektromekh. 9 no. 11  
1-8 N '66
- Rapid method of air drying of high-voltage insulator  
parts and blanks, R. N. Klimov, Stek i ker. 23 no. 11  
41-42 N '66
- Replacement of defective insulation on internal machine set  
anchors poles of 500 kv, lines, V. M. Potukhov, Elek.  
stn. 37 no. 11 53-51 N '66
- Using the method of differential thermographic analysis  
for studying the thermo-oxidative destruction of the  
films of organosilicon electric insulation layers, A. A.  
Alientev, A. A. Pashchenko, I. I. Kischenkov, Khim. prom. [Ukr.] no. 12 12-15 Ji-S '62

## ELECTRIC LAMPS

- Karinkin, N. A. [Illuminating apparatus of the projector  
and searchlight types; theory and calculation] Svetovye  
pribory prozhektornogo i proektornogo tipov; teoretich-  
eskiy i raschet, Moskva, Vysshaya shkola, 1966, 400 p.

## ELECTRIC LAMPS, FLUORESCENT see Fluorescent electric lamps

## ELECTRIC LAMPS, INCANDESCENT

- Incandescent lamps for light signal devices, L. Polova,  
Rech. transp. 25 no. 12 33-35 '66

## ELECTRIC LIGHTING

- Electric lighting of sewing shops, M. Kh. Teif,  
Svetotekhnika 13 no. 1 24-26 Ja '67

## ELECTRIC LIGHTING (Continued)

Nonparametric methods for evaluating the significance of results V. F. Dubinskaya, *Sovetskaya fizika* 13 no. 1 28-29 Ja '67  
Through the pages of foreign magazines *Sovetskaya fizika* 13 no. 1 29-30 Ja '67

## ELECTRIC LIGHTING, FLUORESCENT see Fluorescent lighting

## ELECTRIC LINES

(see also subdivision under Transcavacasia)

Saving of copper in the electrical departments of mining and metallurgical combines A. V. Shitenger, *Prom. energ.* 16 no. 122-21 Ja '61

## ELECTRIC LINES—MAINTENANCE AND REPAIR see subdivision under Tajikistan

## ELECTRIC LINES—OVERHEAD

Concerning the article "Choice of insulation for 35 to 220 kv electric power transmission lines in areas with a polluted atmosphere" O. G. Viskulmin, *Prom. energ.* 16 no. 140 Ja '61

Devices for measuring the grounding resistance of power line poles without disconnection of the overhead wire, S. M. Popov, *Elek. sta.* 37 no. 1120-72 N '60.

Prospects for decreasing insulation levels in networks exceeds 100 kv, M. M. Medvedev, A. A. Gritsak, V. N. Shtamm, *Izv. vuz. ucheb. zav., energ.* 9 no. 11-8 N '66

Replacement of defective insulators on intermediate and anchor poles of 500 kv lines, V. M. Pututov, *Elek. sta.* 37 no. 1151-57 N '66.

Well groundings in districts with permafrost, V. K. Red'kin, *Elek. sta.* 37 no. 1157-59 N '66

## ELECTRIC LINES—POLES AND TOWERS

Anchorings of 35-220 kv. power line supports in swelled soils, N. I. Marfin, *Elek. sta.* 37 no. 1160-62 N '66

Construction of power transmission lines using reinforced concrete towers, V. Sh. Kalandazov, *Energ. stroit.* no. 8:12-15 '66.

Mobile timber poles for electric transmission lines in open-pit mining N. S. Tsvetkov, *Gor. zhurn.* no. 12:61-65 D '66

New technique for assembling AP-shaped poles, S. I. Isichenko, S. V. Dmitriyenko, *Transp. stroit. D. no. 11 51-53 N '61.*

Use of reinforced concrete foundations of power line towers for groundings in rocky soils, N. P. Kalligrob, *Elek. sta.* 37 no. 1162-61 N '66

Use of the KLP-7 tower construction plane in the erection of power transmission lines and substations, D. B. Vinogradov, *Energ. stroit.* no. 8:11-12 '66

## ELECTRIC LINES—SAFETY MEASURES

Use of SKZ-4 short-circuit cutters, G. I. Onov, *Elek. sta.* 37 no. 1190-91 N '66.

## ELECTRIC LOCOMOTIVES

(see also subdivision under France; Germany, East; Novocherkassk)

Breakdown of engine disconnector bars, G. I. Gavrilov, N. S. Kuptikov, *Elek. i topl. tsiha* 10 no. 10:33-31 O '66

Experience in the operation of 21-FM-1 electric locomotives, F. M. Tulin, *Elek. i topl. tsiha* 10 no. 10:35-38 O '66

News of foreign technology, *Zhel. dor. transp.* 48 no. 10: 92 O '66.

Replies to the inquiries of our readers, *Elek. i topl. tsiha* 10 no. 10:37 O '66

Using semiconductor transistors in transposition, *Zhel. dor. transp.* 48 no. 10:79-80 O '66.

## ELECTRIC LOCOMOTIVES—BRAKES

Testing the 18E-1 - 21M industrial electric locomotives with regenerative braking S. D. Levintov, G. V. Polikov, G. M. Pogorelov, *Izv. vuz. ucheb. zav. gor. zhurn.* 6 no. 5:101-107 '63

## ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

Changing repair operation cycle of VL8 electric locomotives, G. A. Ignatenko, G. G. Ogulenko, I. Z. Diapkin, *Zhel. dor. transp.* 48 no. 6:72-73 Je '66

Kilin, N. T. [Advanced methods of repairing electric locomotives, from experience of the Kurgan Station] *Peredovye metody remonta elektrozvozo, 12 opyt Kurganskogo depa.* [Chelabinsk] Uzhno-Ural'skoe knizhnoe izd-vo, 1965. 26 p.

Success is guaranteed by good organization of work and production, *Elek. i topl. tsiha* 10 no. 10:18-20 O '66.

Useful suggestion V. A. Buntin, *Elek. i topl. tsiha* 10 no. 10:18-19 O '66

## ELECTRIC LOCOMOTIVES—RELIABILITY

Investigating electric locomotive reliability, D. A. Kurasov, *Zhel. dor. transp.* 48 no. 6:74-76 Je '66

## ELECTRIC LOCOMOTIVES—TRANSMISSION DEVICES

New geared transmissions for electric locomotives, S. I. Proskuryakov, *Zhel. dor. transp.* 48 no. 7:64-67 J1 '66.

## ELECTRIC MACHINERY

Formulation of a problem on the calculation of eddy currents in bodies with random form, E. I. Pechushenko, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:181-184 '66

Vol'dek, A. I. [Electrical machinery] *Elektricheskie mashiny.* Moskva, Energiya, 1966. 782 p.

## ELECTRIC MACHINERY—DIRECT CURRENT

Differential equations of saturation voltages of non-salient-pole a.c. machines, R. V. Pults, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:105-120 '66

## ELECTRIC MACHINERY—MAINTENANCE AND REPAIR

Malyshev, E. I. [Preparation for storage, storage, and poststorage treatment of the electrical equipment of ships] *Konstruktsiya, khraneniye i raschisleniya sudovogo elektrobudovaniya.* Moskva, Transport, 1966. 26 p.

## ELECTRIC MACHINERY—PRICES

Concerning I. Sh. Sabitov's article "Methods for determining the wholesale prices of power generating equipment taking into account its efficiency" *Energomashinostroyeniye* 8 no. 8-43 Ag '62

## ELECTRIC MACHINERY—WINDINGS

Device for locating hull insulation damage in the excitation windings of salient-pole machines, V. M. Dolgopiatov, V. G. Chubov, V. P. Tarabrin, *Elek. sta.* 37 no. 1184-90 N '66

## ELECTRIC MACHINERY, SYNCHRONOUS

Angular characteristics of salient-pole synchronous machines with permanent magnets, E. A. Tolkanchev, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1216-1223 '66.

Determination of x<sub>d</sub> reactance dissipation of a stator winding, I. E. Rodionov, N. S. Slunov, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1233-1236 '66

Magnetic field of a stator in the air gap of a synchronous salient-pole machine, N. D. Mondushko, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1237-1245 '66

Methods for practical accounting of steel saturation in determining transient synchronous reactance, R. V. Ogantian, *Izv. AN Arm. SSR. Ser. tekhn. nauk* 10 no. 5:9-11 '66

Qualitative study of self-rocking synchronous reactive machines, E. V. Konenko, A. L. Kisil'syn, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1100-1104 '66

## ELECTRIC MACHINERY, SYNCHRONOUS—TESTING

Using the method of forced harmonic vibrations in experimental determination of frequency characteristics of a synchronous machine, V. I. Sankov, D. S. Melkonian, A. I. Ab, *Izv. AN Arm. SSR. Ser. tekhn. nauk* 10 no. 5:22-27 '66

## ELECTRIC MEASUREMENTS

Calculation of some errors of double transformer measuring bridges, V. P. Karpenko, *Avtometriya* no. 3:122-125 '66

Design of toroidal transformers with minimum winding resistance for bridge circuits, A. I. Gekhol'skiy, T. I. Kuchukov, N. J. Shandlov, *Avtometriya* no. 5:11-17 '66.

Device for measuring potentials in high-voltage d.c. systems, V. I. Sharov, *Elektricheskoye no. 12:70-80 D '66*

Devices for measuring the grounding resistance of power line poles without disconnection of the overhead wire, S. M. Popov, *Elek. sta.* 37 no. 1168-72 N '66.

Dynamic of a two-channel ferrodynamical autocompensator, P. P. Kemeshtis, G. M. Maslennichenko, *Avtometriya* no. 5:61-70 '66.

Electric measurements in the testing of refrigerator compressors, I. M. Agatov, L. P. Medvedev, *Khol. tekhn.* 39 no. 3:10-13 My-Je '62

Thermodynamic condenser as converter of weak direct currents, V. I. Pankratov, I. T. Prilipko, *Sbor. trud. Uki NII* no. 7:122-133 '66.

One radiophysical method of measuring small mechanical oscillations, V. B. Bringskiy, A. B. Monin, *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6:186-1201 '66

Self-balancing bridge device measuring stator-to-rotor elementances in lubrication, F. B. Grunovitch, L. E. Dobrov, V. I. Nikulin, *Avtometriya* no. 3:56-59 '66.

## ELECTRIC MEASUREMENTS—CONGRESSES

International conference on problems of electrical measurements of nonelectrical values and automatic control held in Karl-Marx-Stadt, A. M. Melnik-Shakhnazarov, *Avtometriya* no. 3:131-132 '66.

## ELECTRIC METAL CUTTING

Akademiya nauk SSSR. Nauchnyi sovet po probleme "Novye metody obrabotki i obrabotki metallicheskikh materialov" [Physical basis of electric spark machining of materials] *Fizicheskie osnovy elektroiskrovoi obrabotki materialov.* Moskva, Nauka, 1966. 158 p.  
Electrochemical drilling of holes in constant magnets, V. M. Mordukhai, *Vest. mashinost.* 46 no. 12:40-50 D '66.

## ELECTRIC METERS

Electric measuring instruments for antiseptic work, V. D. Chulikov, *Mont. i spets. tab. v stroit.* 25 no. 8:23-24 Ag '63

Gekhol'skiy, A. L. [Q meters] *Izmeritel'no-dobrotochnost' kumuly.* Novosibirsk, Nauka, 1966. 258 p.

## ELECTRIC METERS—CLASSIFICATION

Classification of electric measurement equipment, A. M. Turchin, *Izv. tekhn. no. 6:5-9 Je '62*

## ELECTRIC MOTORS

Design of a printed armature winding with a ferromagnetic core, O. N. Dalakshvili, M. A. Maravulidze, M. I. Gulidze, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1254-1260 '66

Dynamics of stepping motors with printed windings, R. G. Bandina, *Elektricheskoye no. 12:18-32 D '66*

Start of an electric motor with rolling rotor, A. I. Borisov, V. V. Varlet, *Elektrotehnika* 37 no. 12:19-22 D '66.

[Technology of the manufacture of large electrical machines in three parts] *Tekhnologiya krupnogo elektromashinostroeniya v trekh chastyakh.* [By] D. M. Blumenshteyn, Moskva, Energiya  
Pl. 3. Blumenshteyn, D. M. [Heavy machines] *Krupnye mashiny.* 1966. 305 p.

## ELECTRIC MOTORS—STARTING DEVICES

In the factories, *Prom. energ.* 16 no. 1:54 Ja '61.

Starter clutch attachment to the motor of impact mills and fans, E. I. Vokova and others, *Energomashinostroyeniye* 8 no. 8:35-37 Ag '62

## ELECTRIC MOTORS, DIRECT CURRENT

Eddy current losses in the winding of a smooth armature of a d.c. machine, U. A. Muratov, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1165-1169 '66.

Efficiency and some optimal parameters of a contactless d.c. motor, I. P. Orshchikov, *Elektricheskoye no. 12: 44-47 D '66*

Electronic speed control of a d.c. motor, V. I. Lazarev, A. S. Shapiro, *Trudy VNIIT* no. 1:72-82 '61

Heating of an end-type d.c. motor with printed armature winding, N. V. Aetakhov, R. G. Dzhamalutdinov, *Elektrotehnika* 37 no. 12:12-14 D '66.

## ELECTRIC MOTORS, INDUCTION

Asynchronous motor with condensers in the rotor circuit, V. V. Pereguinov, *Elektrotehnika* 37 no. 12:17-18 D '66

Automation of a skip hoist with asynchronous drive and tipping of skips with deceleration dependent control, A. L. Vinogradov, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 11:1271-1278 '66.

Calculation of currents and moments of a vibrationless network for connecting induction motor and obtaining creeping speed, V. I. Zverevich, G. D. Kudeev, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 10:1067-1075 '66

Calculation of unit slot conductance of the magnetic wedge of an induction motor, O. D. Gol'dberg, F. K. Makarov, L. P. Trusova, *Elektrotehnika* 37 no. 12:14-17 D '66

Cronometry of the toothed zone of an asynchronous induction motor, E. A. Lukin, *Elektrotehnika* 37 no. 12:56-57 D '66

Khamudkhanov, M. Z., ed. [Frequency speed control of a.c. drives with automatic regulation from rectifier converters] *Chastotnoe regulirovaniye skorosti elektropriyodov poremennogo toka s avtomaticheskimi upravleniyami i ventil'nykh predstavlyateley.* [By] M. Z. Khamudkhanov i dr. Tashkent, Fan, 1966. 441 p.

Study of electromechanical processes of an asynchronous motor in capacitor braking mode, S. I. Klitsin, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 10:1076-1084 '66.

## ELECTRIC MOTORS, INDUCTION—COOLING

Schashlitskiy, G. G. [Heating of enclosed asynchronous motors] *Nagrevaniye zakrytykh asinkhronnykh elektrodvigateley.* Kiev, Naukova dumka, 1966. 195 p.

## ELECTRIC MOTORS, INDUCTION—CURRENT SUPPLY

Equations of a nonsymmetrical two-phase asynchronous motor with nonsinusoidal and nonsymmetrical voltage feed, I. P. Kopylov, *Izv. vuz. ucheb. zav. elektromekh.* 9 no. 10:1061-1066 '66

Network for regulating a frequency converter without a d.c. link, B. I. Pirago, *Izv. vuz. ucheb. zav. energ.* 9 no. 11:31-36 N '66.

Study of static characteristics of a.c. transmission for independent units, V. I. Andreev, G. V. Novikov, A. D. Stepanov, *Elektricheskoye no. 12:62-66 D '66*

## ELECTRIC MOTORS, INDUCTION—TESTING

Testing a leading ATD-8000-2 induction motor, O. V. Livanova, V. D. Klimovitskiy, *Elek. sta.* 37 no. 11:40-44 N '66.

## ELECTRIC MOTORS, SYNCHRONOUS

Determination of the acceleration time of a synchronous motor with reactor starting, P. S. Tiagulyaki, *Prom. energ.* 16 no. 11:16-19 Ja '61.



## ELECTRIC MOTORS, SYNCHRONOUS (Continued)

Excitation control law of large synchronous motors with sharply varying loads. I. V. Borodina, I. M. Shteyn, A. V. Ianko-Troitskiy. Izv. vuzov ucheb. zav. elektromekhn. 9 no. 11:1224-1232 '66

## ELECTRIC NETWORK ANALYZERS

Method for calculating inductance coils for simulating distribution networks on open pit mines. A. B. Murav, N. K. Smirnov. Izv. vuzov ucheb. zav. energ. 9 no. 11:25-30 N '66

Models of an electrical system with conjugate impedances. V. G. Kudachinskiy. Elektricheskoye no. 12:77 D '66

## ELECTRIC NETWORKS

Analysis of an alternative algorithm for adjusting a discrete controller without feedback. V. A. Kiselev. Teor. elektrotekhn. no. 1:108-117 '66

Analysis of composite electromechanical transducers. A. S. Pliginskaya. Teor. elektrotekhn. no. 1:59-66 '66

Analytical calculation of direct and reverse relay effect with circuits with thermistors. L. M. Rogalla. Teor. elektrotekhn. no. 1:102-107 '66

Analytical method for calculating and studying electromagnetic transients in circuits with rectifiers. L. A. Zharovskiy, A. A. Ianko-Troitskiy. Teor. elektrotekhn. no. 1:77-83 '66

Approximation and properties of the voltamper characteristic of a thermistor. I. M. Rogalla. Teor. elektrotekhn. no. 1:95-101 '66

Calculation of memos by means of graphs. B. I. Blazhkevich. Teor. elektrotekhn. no. 1:44-49 '66

Change in the control of a generator and the contactors of the GMP-100/2500 condenser system. G. A. Kolobov. Prom. energ. 16 no. 1:26-28 Ja '61

Concerning the calculation of a low-voltage cable network for mines with consideration of starting conditions. V. P. Murav'ev. Prom. energ. 16 no. 1:47-51 Ja '61

Construction of electronic models of electrical networks. V. G. Vasil'ev. Teor. elektrotekhn. no. 1:19-25 '66

Feedback in electrical networks. A. A. Ritzkin. Teor. elektrotekhn. no. 1:33-35 '66

Network synthesis by given time duration of action and response. I. V. Kutsal. Teor. elektrotekhn. no. 1:26-32 '66

One form of a solid symmetrical 12-terminal network. L. G. Dorfman. Elektricheskoye no. 12:73-75 D '66

Operation of a phase detector circuit with square input voltage. I. V. Popov. Izv. vuzov ucheb. zav. radiotekhn. 9 no. 6:730 N-D '66

Principles of the design of dynamic circuits. G. I. Pukhov, D. A. Borovskiy. Teor. elektrotekhn. no. 1:5-16 '66

Study of linear systems using a topological method. B. I. Blazhkevich. Teor. elektrotekhn. no. 1:37-43 '66

Use of mathematical sets in the analysis and calculation of complex networks. N. G. Maksmovich. Teor. elektrotekhn. no. 1:50-58 '66

## ELECTRIC NETWORKS—MEASUREMENT

Automatic electronic phase meter for measuring phase-frequency characteristics of four-terminal networks. V. P. Kashlev. Avtometriya no. 3:47-52 '66

Grokhol'skiy, A. L. [Q meters] Izmeritel' doholnost' - kumetriy. Novosibirsk, Nauka, 1966, 258 p.

Measurement of the parameters of an N-terminal network. E. V. Zelikov, V. A. Kiselev. Avtometriya no. 3:1-10 '66

ELECTRIC OIL WELL DRILLING see Oil well drilling, Electric

ELECTRIC OIL WELL LOGGING see Oil well logging, Electric

ELECTRIC OSCILLATORS see Oscillators, Electric

## ELECTRIC POWER

Comparison of unit expenditures of electric power and gas in heating processes. A. S. Nekrasov, I. V. Shteyn, Prom. energ. 16 no. 1:4-9 Ja '61

Concerning the objectives of the magazine "Promyshlennaya Energetika" in 1961. Prom. energ. 16 no. 1:1-3 Ja '61

Determining electric energy loss in friction of string of rods and tubing in cased wells. A. G. Mishchenko. Azerb. neft khoz. 45 no. 9:29-30 S '66

[Electric power production and utilization in foreign countries; supplement to the periodical "Elektricheskoe stanitsi"] Energiyokhoz. za rub. no. 6 N-D '66

Problems concerning the saving of electric power in electric steel smelting. L. Z. Khmel'nitskiy, Prom. energ. 16 no. 1:55-57 Ja '61

## ELECTRIC POWER DISTRIBUTION

Chernobrov, N. V. [Relay protection] Releynaya zashchita. Izd. 3., perer. i dop. Moskva, Energiya, 1966, 760 p.

Concerning the transformation of systems. S. M. Rozhavskiy. Izv. vuzov ucheb. zav. energ. 9 no. 11:83-95 N '66

Concerning the use of 20 kv potentials. V. A. Kozlov. Elektricheskoye no. 12:72-74 D '66

Determination of loss to the national economy due to interruption of power supply and power deficit in a distribution system. M. K. Roznov, A. V. Maslennikov. Trudy VNIIE no. 22:39-58 '67

Experimental study of laws governing changes in upper harmonics of currents and voltage during traction loads. D. V. Timofeev. Trudy VNIIE no. 22:231-246 '65

Fridkin, I. A. [Operation of distribution sites and transformer substations] Eksploataatsiya raspredelitel'nykh punktov i transformatornykh podstantsiy. Moskva, Energiya, 1966, 760 p. (Biblioteka elektromontera, no. 207)

Method for analyzing networks compensating reverse sequence currents in a three-phase load. A. K. Shidlovskiy, O. D. Muzychenko. Dokl. Akad. Nauk SSSR no. 11:1447-1450 '66

Overloads and power losses in condensers in presence of upper harmonics. S. K. Medvedev. Elektricheskoye no. 12:35-48 D '66

Power parameters of a three-phase condenser system at nonsymmetrical potentials. V. G. Avvakumov. Izv. vuzov ucheb. zav. energ. 9 no. 11:90-101 N '66

Probability characteristics of power deficit in an electric power system. N. A. Kartvelishvili. Trudy VNIIE no. 22:20-31 '65

Problem concerning the choice of efficient voltages for industrial power distribution networks. B. I. Goldendyat, Prom. energ. 16 no. 1:57-58 Ja '61

Prospects for balancing the operation of electrical systems with single-phase traction loads. D. V. Timofeev. Trudy VNIIE no. 22:183-203 '65

Quantitative evaluation of voltage quality and optimal mode for the regulation of the voltage of electric power distribution networks. F. F. Karpov. Trudy VNIIE no. 22:206-221 '65

Reliability characteristics of individual units necessary for the selection of active power reserve in electric power systems. D. P. Shannopolskiy. Trudy VNIIE no. 22:32-36 '65

"Seasonal" coefficients for groundings. A. I. Yakobson, M. B. Alimamedov. Elektricheskoye no. 12:15-20 D '66

Selection of voltage loss compensation systems. N. K. Arhtipov. Trudy VNIIE no. 22:225-233 '65

Seventy-fifth anniversary of three-phase transmission systems. O. N. Veselovskiy. Elektricheskoye no. 12:80-83 D '66

Simplification of complex electric systems for the analysis of transient processes. N. D. Abdullayev. Zashch. prikl. 6 no. 12:23-26 D '66

Statistical probability methods for evaluating losses in the conductors of industrial electrical networks. B. S. Meshelev. Elektricheskoye no. 12:13-15 D '66

Transverse-longitudinal regulation of power flow. I. F. Mikhaylov. Elektr. sta. 37 no. 11:82-83 N '66

Use of a matrix method in studying the operation of electrical networks. N. A. Mel'nikov. Trudy VNIIE no. 22:168-181 '65

## ELECTRIC POWER DISTRIBUTION—ALTERNATING CURRENT

Effect of generator parameters on the efficiency of series compensation in a power transmission system. G. E. Pospelov. Izv. vuzov ucheb. zav. energ. 9 no. 11:91-91 N '66

## ELECTRIC POWER DISTRIBUTION—COMMUNICATION SYSTEMS

High-frequency communication channels on 750 kv. power transmission line routes. I. A. Mel'zak, V. B. Sokolov. Elektr. sta. 37 no. 11:64-68 N '66

## ELECTRIC POWER DISTRIBUTION SYSTEM—RELIABILITY

Methods for determining optimal reservation in electric power systems. M. N. Roznov. Trudy VNIIE no. 22:5-13 '65

## ELECTRIC POWER DISTRIBUTION—SAFETY MEASURES

System for signaling short-circuits to ground in sectionalized 6-10 kv lines. A. V. Isaurov. Izv. vuzov ucheb. zav. energ. 9 no. 11:80-80 N '66

## ELECTRIC POWER PLANTS (see also sub-division under Germany, West; Kamchatka)

Dynamic structure of a high-temperature gas-vapor block operating according to the TsKTI-LPI system. S. A. Kantor and others. Izv. vuzov ucheb. zav. energ. 9 no. 11:37-43 N '66

Effect of throttling of live steam in steam pipes on optimal distribution of loads. N. P. Virkovskiy, A. N. Gorashovskiy. Izv. vuzov ucheb. zav. energ. 9 no. 11:44-51 N '66

Features of using fuels with a high content of free calcium oxide in the ash in electric power plants. N. G. Zolotarev. Elektr. sta. 37 no. 11:2-6 N '66

Heat insulation work by the State Trust For Power Machinery Installation. V. O. Lur'e. Energ. stroit. no. 8:11-13 '66

Installation of heat insulation in a 200 Mw. block of the Moldavia State Regional Electric Power Plant. I. M. Iarmolinskiy. Energ. stroit. no. 8:7-11 '66

Networks for the mechanization of fuel supply operations of small electric power plants and industrial heating systems. N. I. Spididov. Prom. energ. 16 no. 1:29-36 Ja '61

Possibilities for increasing the efficiency of thermal electric power plants with reducing and cooling systems. B. A. Milovidov. Elektr. sta. 37 no. 11:83-84 N '66

## ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

Concerning V. G. Grabenkin's article "Some problems of the design and construction of thermal electric power plants." A. A. Dubinin. Elektr. sta. 37 no. 11:73-81 N '66

## ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Concerning I. Sh. Sabitov's article "Methods for determining the wholesale prices of power generating equipment taking into account its efficiency." Energomashtroystroenie 8 no. 8:13 Ag '62

## ELECTRIC POWER PLANTS—FOUNDATIONS

Perfecting assembly of pierce foundations under columns of main building of thermal electric power station. V. I. Plokhikh. Izv. vuzov ucheb. zav. stroit. i arkhit. 9 no. 9:81-90 '66

## ELECTRIC POWER PLANTS—LOAD

Letter to the editor. V. M. Gornshstein. Teploenergetika 8 no. 2:95-96 P '61

## ELECTRIC POWER PLANTS—MANAGEMENT see sub-division under Poland

## ELECTRIC POWER PLANTS—PERIODICALS

Conference of the readers of "Elektricheskoe Stanitsi." Elektr. sta. 37 no. 11:94-95 N '66

## ELECTRIC POWER PLANTS—RELIABILITY

Optimal reservation of units supplying self-needs in block power plants. N. A. Kazakov, M. N. Roznov. Trudy VNIIE no. 22:59-66 '65

## ELECTRIC POWER PRODUCTION

(see also sub-division under White Russia)

Conference on increasing technical standards and the operational reliability of electric stations and networks. Gidrostroi. 33 no. 7:43-44 Ji '63

Use of wood wastes for the production of power and chemicals. S. I. Gotoyomov, M. S. Zaitsev, V. I. Korotkin. Gidrostroi. i lesokhoz. prom. 15 no. 4:3-4 '62

## ELECTRIC PROSPECTING

Account of effect of relief on electric anomalies. A. A. Nepomniashchikh, L. V. Sokolov. Izv. AN Kazakh SSR. Ser. geol. 27 no. 5:72-80 S-D '66

Calculating a well capacitor for dielectric well logging. G. I. A. Cherniak. Trudy Lab. inzh. geol. i geol. VODGEO no. 4:160-166 '62

Developing a piezoelectric method of prospecting for quartz and pegmatite veins in mines. M. P. Volarevich, G. A. Sobolev. Trudy Inst. fiz. Zem. no. 37:221-227 '66

Electric prospecting with borehole feeding electrodes. G. A. Magnashvili. Razv. i okhr. nedr. 20 no. 3:50-52 N '63

High-frequency dielectric logging of wells. G. I. A. Cherniak. Trudy Lab. inzh. geol. i geol. VODGEO no. 4:154-159 '62

Integral method for tellurogram processing. G. N. Anishechko, V. V. Golubkov. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no. 6:29-35 '62

Reliability of borehole logging in the Lvov-Volyn' coal basin. S. I. Vosanichuk, V. A. Kuehnuk, N. I. Yakubetskiy. Nauch. zap. LPI no. 80:21-29 '62

Station PEEF-3 for search and prospecting for quartz veins in underground mine workings. M. P. Volarevich and others. Trudy Inst. fiz. Zem. no. 37:227-231 '66

Studying the piezoelectric field of quartz bodies by models as applicable to piezoelectric methods of prospecting. G. A. Sobolev, A. B. Uspenskaya, E. I. Pakhomenko. Trudy Inst. fiz. Zem. no. 37:213-252 '66

Theory of electric logging probes. S. I. Vosanichuk. Nauch. zap. LPI no. 80:3-20 '62

Theory of multiple electrode systems. I. A. S. Sapozhnik. Nauch. zap. LPI no. 80:117-124 '62

Transformation of curves of electric probing. I. A. S. Sapozhnik. Nauch. zap. LPI no. 80:125-128 '62

## ELECTRIC PROTECTION

High-speed fuses with liquid cooling. R. S. Khmel'nitskiy. Elektricheskoye no. 12:42-45 D '66

Signaling network with central signal removal and repeated action. I. N. Chekhovskiy. Prom. energ. 16 no. 1:21-22 Ja '61

Some causes of the failures of large-scale fault signaling systems. V. V. Volkov, V. M. Eigenbrodt. Elektr. sta. 37 no. 11:86-87 N '66

## ELECTRIC PUMPING MACHINERY see Pumping machinery, Electric

## ELECTRIC RAILROADS

Twenty-five thousand kilometers of electrified lines. Zhel. dor. transp. 48 no. 10:3-4 O '66

**ELECTRIC RAILROADS—COLD WEATHER OPERATION**  
Special features of the cold weather operation of electric trains. N. K. Egorov. *Fizika i tekhnika* 10 no. 10:17-18 O '66

**ELECTRIC RAILROADS—CURRENT SUPPLY**  
Experimental study of laws governing changes in upper harmonics of currents and voltages during traction loads. D. V. Timofeev. *Trudy VNIIE* no. 27:231-248 '65  
Power parameters of a three-phase condenser system at nonsymmetrical potentials. V. G. Avvakumov. *Izv. vys. ucheb. zav. i energ.* 9 no. 11:99-101 N '66  
Prospects for balancing the operation of electrical systems with single-phase traction loads. D. V. Timofeev. *Trudy VNIIE* no. 22:185-205 '65.

**ELECTRIC RAILROADS—ROLLING STOCK**  
Fronkel', E. B., V. G. Komolov, and S. I. Falb. [Repair of the electrical machinery of electric-rolling stock and diesel locomotives]. Remont elektrotekhnicheskikh mashin elektropodvzhnogo sostava i teplovozov. Moskva, Transport, 1966. 451 p.

**ELECTRIC RAILROADS—WIRES AND WIRING**  
Guaranteeing electric current takeoff during high-speed traffic. I. A. Belakov, V. A. Vologdin, B. G. Kuptsov, Zhel. dor. transp. 10 no. 7:62-64 JI '66.

**ELECTRIC REACTORS**  
Regulated current limiting reactor. V. M. Prima. *Izv. vys. ucheb. zav. i energ.* 9 no. 11:82-86 N '66

**ELECTRIC RELAYS**  
Chernobrovov, N. V. [Relay protection] Releinaia zashchita. Izd. 3., perer. i dop. Moskva, Energiia, 1966. 760 p.  
In the factories. *Prom. energ.* 10 no. 1:51 Ja '61.

**ELECTRIC RELAYS—TESTING**  
Device for automatic measurement of the efficiency of electromagnetic relays. R. G. Martynov, F. A. Sorokin, V. D. Dmitriev. *Izvestiya tekhn.* no. 3:34-35 Je '62

**ELECTRIC RELAYS—VIBRATION**  
Decreasing vibration of electromagnetic current relays during nonstationary currents. A. D. Drozdov, V. V. Mikhailov, *Izv. i izvestiya. Fiz. i tekhn.* 37 no. 11:87-88 N '66.

**ELECTRIC RESISTANCE, EFFECT OF TEMPERATURE ON**  
Studying electric resistance of basic, ultrabasic, and alkali rocks and minerals under high pressure and at high temperatures. M. P. Volodarskiy, F. I. Parkhomenko, A. I. Bondarenko. *Trudy Inst. fiz. Zem.* no. 77:168-170 '66.

**ELECTRIC SUBSTATIONS**  
Consideration of impulse corona in the calculation of lightning protection of substations using digital computers. V. S. Shatin, V. V. Bazukin. *Izv. vys. ucheb. zav. i energ.* 9 no. 11:20-25 N '66.  
Fridkin, I. A. [Operation of distribution sites and transformer substations]. Eksploataatsiya i raspredeletel'nykh punktov i transformatornykh podstantsii. Moskva, Energiia, 1966. 76 p. (Biblioteka elektromontera, no. 207)  
Placement of power distribution equipment in electric substations. D. A. Myslin. *Elektr. sta.* 37 no. 11:51-53 N '66.

**ELECTRIC SWITCHGEAR**  
Damage of the entrance of a 220 kv. oil switch. T. P. Mueatov, P. A. Kamkov. *Elektr. sta.* 37 no. 11:91 N '66.  
High-speed three-phase current motor drive for oil switches. M. D. Galkin, N. A. O. I. A. Novikov. *Izv. vys. ucheb. zav. i energ.* 9 no. 11:14-19 N '66  
Use of SKZ-4 short-circuit counters. G. I. Obosov. *Elektr. sta.* 37 no. 11:90-91 N '66.

**ELECTRIC TRANSFORMERS**  
(see also subdivision under United States)  
Calculation of a complex transfer constant of the network of a thin-film frequency divider. M. I. Kudrinskoy. *Avtometriya* no. 3:26-31 '66.  
Design of toroidal transformers with minimum winding resistance for bridge circuits. A. L. Grokhovskiy, E. L. Kashcheyev, N. P. Shmollov. *Avtometriya* no. 5:114-117 '66.

**ELECTRIC TRANSFORMERS—WINDINGS**  
Initial and terminal wave process potentials in a multi-spiral winding. R. P. Doluk. *Izv. vys. ucheb. zav. i elektromekh.* 9 no. 10:156-161 '66

**ELECTRIC WELDING**  
[Welding and building-up operations in streetcar maintenance]. Svarochno-naplavochnye raboty v tramvaynom khozaystve. [By] V. S. Naumenko i dr. Moskva, Stroiizdat, 1966. 202 p.  
[Welding in carbon dioxide] Svarka v ugleislom gaze. Izd. 2., perer. i dop. [By] I. I. Zaubina i dr. Kiev, [Tekhnika] 1966. 290 p.

**ELECTRIC WELDING—EQUIPMENT AND SUPPLIES**  
Certain peculiarities of titanium welding by nonconsumable electrodes with use of fluxes. S. M. Gurevich, V. N. Zamkov. *Avtom. svar.* 10 no. 12:13-16 N [i. e. D] '66.

Experience in using A-825 hose-type semiautomatic machines in shipbuilding. M. I. Fokel'man, N. K. Telchik. *Avtom. svar.* 10 no. 12:58-59 N [i. e. D] '66.  
Influence of the conditions of wide-layer hard facing upon dimensions of deposited layer. M. L. Razdrov, N. V. Kozolev. *Avtom. svar.* 10 no. 12:37-12 N [i. e. D] '66.  
Mastering pipe production on 72-210 electric pipe welding machines. I. U. Mal'nev and others. *Stal'* 26 no. 12:118-119 D '66.  
Studying the shape of electrode profiles during spot welding of aluminum alloys. A. I. Pugachev. *Avtom. svar.* 10 no. 12:31-33 N [i. e. D] '66.  
Use of welding in carbon dioxide in the U. S. S. R. A. G. Polaplevskiy, V. I. Troitskiy, P. T. Kharchenko. *Avtom. svar.* 10 no. 12:67-72 N [i. e. D] '66

**ELECTRIC WIRING**  
(see also subdivision under Novosibirsk)  
Designing and installing electric wiring in steel pipes. N. S. Movsesov. *Mont. i spets. rab. v stroit.* 23 no. 9:21-24 S '63.  
Raising the level of the industrialization of the installation of electric wiring in steel pipes. G. I. Gurevich. *Mont. i spets. rab. v stroit.* 25 no. 9:18-20 S '63.

**ELECTRIC WIRING—SAFETY MEASURES**  
Problems concerning the electric equipment of explosion hazardous outdoor systems. I. I. Rakovich. *Prom. energ.* 16 no. 1:37-39 Ja '61.

**ELECTRIC WIRING, INTERIOR**  
Concerning the choice of certain types of equipment for explosion hazardous departments with consideration of the characteristics of the surrounding medium. I. I. Rakovich. *Prom. energ.* 16 no. 1:61-62 Ja '61.

**ELECTRICITY**  
Bytko, N. D. [Physics] Fizika. Moskva, Vysshaya shkola  
Pls 3/4 [Electricity Optics and atomic structure] Elektrichestvo, Optika i atomnaya fizika. Izd. 2. 1965. 316 p.

**ELECTRICITY—EFFECT ON PLANTS** see Plants, Effect of electricity on

**ELECTRICITY—PHYSIOLOGICAL EFFECT**  
Interaction of the galvanic skin reaction and conditioned response in man during the process of formation of a system of conditioned motor response. L. P. Sizov. *Zhurn. vys. nerv. deiat.* 13 no. 4:619-625 JI-Ag '63

**ELECTRICITY—SAFETY MEASURES**  
Grinberg, E. N. [Electrical safety] Elektr. obozrazhenost'. Tashkent, "Uzbekistan," 1966. 110 p.

**ELECTRICITY, INJURIES FROM**  
(see also subdivision under United States)  
Grinberg, E. N. [Electrical safety] Elektr. obozrazhenost'. Tashkent, "Uzbekistan," 1966. 110 p.

How to avoid injuries from a current in the case of an excavator bucket touching a contact wire. V. P. Komlev. *Bezop. truda v prom.* 7 no. 5:26-27 My '63  
Use of indirect cardiac massage in fatal electric injury under experimental conditions. N. S. Bektureunova. *Sov. med.* 26 no. 3:12-16 Mr '63

**ELECTRICITY IN AGRICULTURE**  
(see also subdivision under Kazakhstan; White Russia)  
Electricity in improvement of saline soils. A. V. Vladimirova. *Vest. Mosk. univ. Ser. 6: Biol., pochv.* 21 no. 4:89-100 JI-Ag '60  
Prerequisites for the use of electrical stimulation methods in poultry raising. Z. I. Gogol'skiy. *Trudy GRUZNIMFISKIia* 8 no. 2:137-149 '62

**ELECTRICITY IN MINING**  
Measuring the insulation parameters of a mine low-voltage network. L. S. Tonkoshkur, E. G. Fainshteyn. *Izv. vys. ucheb. zav. i energ.* 6 no. 5:166-173 '63  
Method for calculating inductance coils for simulating distribution networks of open pit mines. K. B. Muss, N. K. Smirnov. *Izv. vys. ucheb. zav. i energ.* 9 no. 11:26-30 N '66

A method of determining losses sustained by interruptions in electric supply of mining equipment in open-pit operations. S. A. Volkovskiy, V. M. Lipin, I. A. S. Gorbunov. *Gor. zhur.* no. 12:13-15 D '66  
Ozernoi, M. I., and V. G. Sobolev. [Flexible mine cables] Shakhinye gibkie kabeli. Moskva, Nedra, 1966. 255 p.

Propagation of high-frequency electromagnetic energy in a triple sheathed cable. A. V. Chibrikov. *Izv. vys. ucheb. zav. i energ.* 6 no. 5:166-192 '63.

**ELECTRICITY IN MINING—EQUIPMENT AND SUPPLIES**  
Using phase inverters and bridge circuits for balancing the input bridges of tensometric amplifiers. A. E. Trop, V. M. Shkol'nik. *Izv. vys. ucheb. zav. i energ.* 6 no. 5:192-198 '63.

**ELECTRICITY IN MINING—SAFETY MEASURES**  
Electrical safety in strip mining operations. G. K. TSverava. *Bezop. truda v prom.* 8 no. 5:27-28 My '62.

How to avoid injuries from a current in the case of an excavator bucket touching a contact wire. V. P. Komlev. *Bezop. truda v prom.* 7 no. 5:26-27 My '63  
Increasing the spark-proof operation of magnetic amplifier systems intended for use in gaseous coal mines. M. S. Bilogolov. *Dop. AN USSR* no. 11:132-143 '66  
Protection against single-phase short-circuits to ground in open-pit mine networks. N. F. Kalin and others. *Gor. zhur.* no. 12:50-51 D '66  
Sparkproof properties and compensation of the leakage currents in mine section cable networks. A. G. Bzdenzhayev, V. S. Komarov. *Bezop. truda v prom.* 6 no. 5:26-27 My '62.

**ELECTRICITY ON SHIPS**  
Characteristics of working up initial statistical data on the reliability of a ship's means of automation and electric equipment. S. A. Popov, I. A. Svetnikov. *Trudy LITV* no. 82:28-39 '65

Loginov, V. A. [Electric equipment of marine refrigerating units; maintenance and care] Elektrooborudovanie sudovyykh kholodil'nykh ustanovok, obsluzhivaniye i ukhod. Pod red. G. M. Nikifora. Moskva, Transport, 1966. 47 p.

Possibility of increasing the capacity of the ships' electric power plant by means of current limiting reactions. L. N. Tokarev, A. I. Kotovskikh, M. A. Lushkov. *Sudostroenie* 56 no. 11:36-41 '66

Reingol'dt, I. U., ed. [Electric equipment of ships and ship repairing yards] Elektrooborudovanie sudov i sudoromontnykh zavodov. [By] I. U. A. Reingol'dt i dr. Moskva, Transport, 1966. 350 p.

Studying the characteristics of the numbers of failures of the ship's means of automation and electric equipment. I. U. A. Svetnikov. *Trudy LITV* no. 82:40-46 '65

**ELECTRIFICATION**  
(see also subdivision under Kirghizistan)  
Pozar. Industriy Day. Elektrichestvo no. 12:1-2 D '66

**ELECTROCAPILLARY PHENOMENA**  
Effect of temperature on potentials of zero charges of some metals in fused lithium and potassium chlorides. T. N. Piskunova, V. A. Kuznetsov, H. P. Malinina. *Elektrokhimiya* 2 no. 11:1307-1311 N '66.  
Study of the structure of double electric layer on gallium by method of electrocapillary curves. A. M. Morozov, N. B. Grigor'ev, I. A. Bagotskaya. *Elektrokhimiya* 2 no. 11:1235-1239 N '66.  
Thermodynamics of electrokinetic phenomena. Part 3: Electrokinetic phenomena in capillaries. I. Diamant, I. A. Shandor. *Koll. zhur.* 28 no. 5:814-836 N-D '66.

**ELECTROCARDIOGRAPHY**  
Changes in the electrocardiogram in pheochromocytoma. I. S. Kun and others. *Trudy i go. MMI* 13:127-140 '65  
Clinical and cardiographic changes in patients with myocardial infarct following surgical intervention. R. M. Kagan, K. M. Lorie. *Trudy Inst. in. N. V. Sklif.* 7:169-202 '63

Dynamics of changes in the electrocardiogram in thyrotoxicosis treated with radioactive iodine. M. V. Spidimova. *Med. rad.* 7 no. 6:22-29 Ag '62.

Electrocardiogram in tertian malaria treated with quinine. N. A. Tshurskaya, O. S. Vukhlovskaya, G. E. Gorkodova. *Med. paraz. i paraz. bol.* 31 no. 5:575-581 S-O '62.

Mechanism of changes in the sensitivity of organs to physiologically active substances as related to various hormone concentrations in the organism. I. A. I. Azhupa, A. N. Mal'kov. *Dokl. AN SSSR* 171 no. 5:1234-1236 D '66.

Shan'sonov, S. Sh. [Clinical electrocardiography in children] Klinicheskaya elektrokardiografiya u detei. Tashkent, Meditsina, 1966. 217 p. (DNLM)

Some characteristics of the excitability of the myocardium during diastole. V. A. Frolov, A. A. Abinder, E. A. Dumonov. *Trudy i go. MMI* 43:54-59 '65.

Symptomatology of the interparoxysmal period of rheumatic fever in comparison with the symptomatology of other phases of the disease. B. G. Mirin. *Sov. med.* 26 no. 3:91-98 Mi '63

Technical aspects of electrocardiogram registration in animals under chronic experimental conditions. I. E. Oranskii, A. A. Sukhanov. *Biol. ekap. biol. i med.* 55 no. 6:113-116 Je '63

**ELECTROCHEMISTRY**  
Diffusion-controlled electrochemical processes in the case of diffusion coefficient depending on concentration. S. I. Krichmar. *Elektrokhimiya* 2 no. 11:1345-1347 N '66.

Effect of light on kinetics of conjugated electrochemical reactions in the process of silicon self-dissolution in HF-HNO<sub>3</sub> mixture. Part 2: Regularities in the change of self-dissolution rate of silicon with potential in the dark and under steady illumination. F. F. Rad'ko, S. O. Izidinov. *Elektrokhimiya* 2 no. 11:1282-1290 N '66.

Electrochemical properties of molybdenum and tungsten. E. F. Speranskaya, V. E. Mertsova, I. I. Kulev. *Usp. khim.* 35 no. 12:2129-2153 D '66



## ELECTROLYTIC CELLS (Continued)

Electrolytic cell with an automatic control of the pH of electrolyte for electroreduction and electro-oxidation V. V. Skolnikov, N. E. Khomutov. *Trudy MKhIT* no. 41 54-57 '63

Use of potentiostat in impedance measurements of electrochemical cells by means of alternating current bridges I. L. Knots, D. I. Lukits, V. N. Alekseev. *Elektrokhimiya* 2 no. 11 1269-1272 N '66

**ELECTROLYTIC OXIDATION** see Oxidation, Electrolytic

## ELECTROLYTIC POLISHING

Electrolytic method of polishing ore minerals. A. D. Baketchev. *Blul MOIP, Otd geol.* 41 no. 4 150 JI-Ag '68

**ELECTROLYTIC REDUCTION** see Reduction, Electrolytic

## ELECTROMAGNETIC FIELDS

Averaged equation of motion of charged particle in stationary random electromagnetic field. A. G. Litvak. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1229-1231 '66

Classical examination of induced electron radiation in mutually opposed fields. I. U. G. Pavlenko, D. V. Galt'sov. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1232-1233 '66

Effect of a variable electromagnetic field on the stability of cementite in white cast iron. I. P. Fominykh, P. I. Sorokin, V. N. Riazantseva. *Lit. prot. vuz.* no. 11 70-39 N '63

Electromagnetic radiation in absorbing medium. A. I. Alekseev, V. V. Iakimets. *Zhurn. eksp. i teor. fiz.* 51 no. 4 1569-1574 N '66

Orlov, V. I., and G. A. Makhshiev. [Forces in nature] *Sily v prirode. Ld. 2, dop.* Moskva, Nauka, 1966 400 p.

Low-frequency electromagnetic leakage current field from aspherical surface. D. B. Gurevich, D. A. Sviridovskiy. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 10 1052-1060 '66

Quadratic correlations in electrodynamics of moving media. I. A. Dzyugan, V. I. Voronov. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1155-1163 '66

Resonance parametric interaction of strong optical frequency fields. L. G. Gurevich, I. U. G. Khomolov. *Zhurn. eksp. i teor. fiz.* 51 no. 5 1499-1509 N '66

Use of Galerkin's method in the electromagnetic field theory. M. G. Kogan. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 11 95-98 N '66

## ELECTROMAGNETIC PROSPECTING

Calculation of an electromagnetic field on the axis of a borehole in a bed of limited thickness. A. A. Kaufman. *Geol. i geofiz.* no. 11 144-150 '63

Recent development in the investigation of telluric currents. M. N. Berdichevskiy, I. A. Iakovlev. *Razv. iokhn. nedr.* 29 no. 3 32-37 Mr '63

Some characteristics of geomagnetic bays in mean latitudes. L. L. Van'yan, P. P. Khazin. *Geol. i geofiz.* no. 9 125-128 '63

## ELECTROMAGNETIC PROSPECTING—GRAPHIC

Malyev, B. K. [Graphic plotting of curves of electromagnetic probing] *Graficheskoe postroyeniye kuykh elektromagnitnykh zondirovaniy*. Moskva, Nedra, 1966, 80 p.

[Album of cumulative set of curves and nomograms for graphic plotting of curves of electromagnetic probing] *Album svodnykh paleto k i nomogrammi dlya graficheskogo postroyeniya krivykh elektromagnitnykh zondirovaniy*, 53 diagr. (in portfolio)

## ELECTROMAGNETIC WAVES

Combination processes in distributed traveling wave systems. G. L. Gurevich, I. U. G. Otmakhov. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1164-1174 '66

Degree of radio signal polarization. A. P. Rodionov. *Radioelektr. i elektron.* 11 no. 11 1967-1973 N '66

Electromagnetic excitation of a finite metal cone. D. M. Sazonov, I. G. Iakushkin. *Radioelektr. i elektron.* 11 no. 11 1974-1986 N '66

Electromagnetic oscillations in resonance medium. V. M. Arutunian. *Izv. AN Arm. SSR, Fiz.* 1 no. 2 111-120 '66

Form factors and multipoles in electromagnetic interactions. V. M. Dubovik, A. A. Chesnikov. *Zhurn. eksp. i teor. fiz.* 51 no. 5 1369-1373 N '66

Interaction between electromagnetic and spin waves in helical magnetic structures. V. G. Bar'yakhtar, M. A. Savchenko, K. N. Stepanov. *Fiz. tver. tela* 8 no. 7 2168-2172 JI '66

Method of geometrical optics in theory of electromagnetic wave propagation in gyrotropic medium. I. U. G. Iashin. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1108-1116 '66

Moskovskiy inzhenerno-fizicheskiy institut. [Interaction between radiation and matter] *Vzaimodeystviye izlucheniya s veshchestvom; sbornik statei*. Pod red. A. I. Alekseeva. Moskva, Atomizdat, 1966 176 p.

One mechanism of absorption of low-frequency electromagnetic oscillations by localized states in crystals. M. A. Kuvshinov, I. P. Pinkovich. *Zhurn. eksp. i teor. fiz.* 51 no. 4 1151-1162 O '66

One possibility of detecting short-range electromagnetic vibrations of "internal" origin. G. A. Fonarev. *Geomagn. i aer. s. no. 6 1126 N-D '66*

Passage of plane electromagnetic waves through biplanar plate. O. S. Erteljan. *Izv. AN Arm. SSR, Fiz.* 1 no. 2 121-121 '66

Propagation of wave packets and space-time self-focusing in nonlinear medium. I. A. Ostrovskiy. *Zhurn. eksp. i teor. fiz.* 51 no. 4 1189-1194 O '66

Radiation of charge in medium with convective instability. I. U. G. Chugunov. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1151-1154 '66

Shift and splitting of atomic levels by field of electromagnetic wave. V. I. Titus. *Zhurn. eksp. i teor. fiz.* 51 no. 5 114-119 N '66

Two recent physical demonstrations. A. N. Kozlova, I. U. G. Khomolov. *Usp. fiz. nauk* 80 no. 3 515-517 N '66

Velocity of electromagnetic radiation in quantum electrodynamics. M. I. Shirokov. *Izv. fiz.* 4 no. 5 1077-1078 N '66

## ELECTROMAGNETIC WAVES—SCATTERING

Effect of some statistical factors on scattering characteristics of finite cylinder. V. V. Tamoikhin. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1121-1133 '66

Electromagnetic wave emission by infinite packet of impedance half-planes. V. V. Martenfel. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 6 1146-1150 '66

## ELECTROMAGNETS

Calculation of the interlinkage of an electromagnet circuit using analog computers. M. L. Sinelnikov. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 10 1165-1168 '66

Optimal current diagram in the circuit of an impulse electromagnet with large power rating. A. A. Denisov, I. V. Shalygin. *Izv. vuz. ucheb. zav. radiofiz.* 9 no. 10 1172-1174 '66

## ELECTROMETALLURGY

Kabanov, B. N. [Electrochemistry of metals and adsorption] *Elektrokhimiya metallor i adsorbtsiya*. Moskva, Nauka, 1966, 221 p.

New developments in research. V. V. Dohradin and others. *Sib. 26 no. 12 1101 D '66*

## ELECTROMETER

Electrometric determination of cholinesterase activity with automatic registration. V. I. Rozengart, V. G. Shmeleva, I. G. Shcherbak. *Biokhimiya* 31 no. 6 1111-1116 N-D '66

## ELECTROMOTIVE FORCE

Equilibrium fluctuations in the steady state. B. M. Ginzov. *Elektrokhimiya* 2 no. 11 1249-1251 N '66

Estimation of the energy characteristics of current carriers in metals by the temperature dependence of the thermal electromotive force. M. D. Smolin. *Dop. AN USSR* no. 7 893-895 '63

## ELECTROMYOGRAPHY

Clinical aspects and pathophysiology of disorders of muscular tonus in cerebral insufficiency. D. K. Lunev. *Zhurn. nevro. i psikh.* 66 no. 12 1751-1758 '66

Effect of sensitization on proprioceptive reflexes of the skeletal muscle. G. A. Dzina. *Pat. fiziol. i eksp. i teor. fiz.* 3 35-40 '64

Electrophysiological analysis of the myasthenic reaction. D. A. Markov, B. I. A. Vil'ner, V. I. Savich. *Dokl. AN BSSR* 6 no. 9 601-604 S '62

Laws of senescence and control in the respiratory act. L. A. Tenenbaum. *Avtom. i telemek.* no. 11 127-137 '66

Ozocerite treatment in lumbosacral radiculitis with electromyographic control. M. Z. Kal'kov. *Zhurn. nevro. i psikh.* 63 no. 11 4-10 '63

Physiological mechanisms of chemical thermoregulation. K. P. Ivanov. *Fiziol. zhur.* 48 no. 10 1226-1233 O '62

Sensory activity of a muscle during its contraction using artificial feedback. L. M. Zakharova. *Avtom. i telemek.* no. 11 115-126 '66

Synchronization of electromyograms and cyclograms in studying human movement. I. M. Kozlov. *Teor. i prakt. fiz. kul't.* 20 no. 11 70-72 N '66

## ELECTRON BEAMS

Calculation of the reduction factor of the space charge field of electron beams moving in periodic electrostatic field. O. F. Meshkov. *Radioelektr. i elektron.* 11 no. 12: 2176-2185 D '66

Process of deposition of tin and silicon films from their organic compounds under the effect of electron ray. B. A. Vishniakov, K. A. Ostrov, P. P. Otopkov. *Izv. AN SSSR, Neorg. mat.* 2 no. 12 2234-2236 O '66

Quasi-linear theory of two-beam instability. A. V. Shut'ko. *Dokl. AN SSSR* 171 no. 5 1076-1078 D '66

Thermalization of electrons in short arc plasma in cesium vapors. N. D. Morzhulis, D. I. A. Dudko. *Ukr. fiz. zhur.* 11 no. 11 1287-1289 N '66

## ELECTRON BEAMS—SCATTERING

Dynamics of quasi-linear relaxation of collisionless plasma. A. A. Ivanov, L. I. Rudakov. *Zhurn. eksp. i teor. fiz.* 51 no. 5 1522-1534 N '66

## ELECTRON DIFFRACTION EXAMINATION

Electron diffraction study of structure of thin films of low-temperature pyrographite. A. V. Kurdimov, A. N. Plankovich, G. G. Gacsin. *Kristallografiya* 11 no. 6: 866-870 N-D '66

Electron diffraction study of thin semiconductor gallium phosphide films. V. P. Klechuk and others. *Ukr. fiz. zhur.* 11 no. 11 1260-1263 N '66

## ELECTRON GAS—THERMAL PROPERTIES

Thermal conductivity of nondegenerate electron gas at inelastic electron scattering on optical phonons. I. V. Hvozdevskiy, V. A. Shendrikovskiy. *Ukr. fiz. zhur.* 11 no. 11 1247-1248 N '66

## ELECTRON MICROSCOPE

Drift of electron microscope stage and possible ways for its elimination. P. A. Stoumou. *L. v. AN SSSR, Ser. fiz.* 30 no. 12 1950-1953 N '66

## ELECTRON MICROSCOPY

Akademika nauk USSR, Institut problem khim. i fiz. i biol. [Microscopy, hardenability, and properties of alloys] *Fiziko-khimiya, prokalyvaemost' i svoystva splavov*. [By] M. P. Braun i dr. Kiev, Naukova dumka, 1966, 310 p.

Electron microscope examination of the varicellating virus SV40 in guinea monkey kidney cell tissue culture and in viral suspensions. M. M. Shestopalova and others. *Vopr. virus.* 8 no. 4 166-170 JI-Ag '63

Electron microscope study of crystallization of non-ferrous metallurgical alloys with some additions. N. N. Pavlushkin, S. V. Petrov, M. D. Reus. *Izv. AN SSSR, Neorg. mat.* 2 no. 12 2221-2228 D '66

Electron microscope study of films of polyethylene terephthalate by means of oxygen etching technique. K. Z. Guman'galova and others. *Vysokom. sond.* 4 no. 10 1172-1174 O '66

Electron microscope observations of the flagella of acetic acid bacteria. M. S. Lutsianskaya, S. B. Stepanov. *Mikrobiologiya* 31 no. 2 281-287 M-Apr '62

Electron microscopic study of cell contacts in ascetic and solid hepatomas. I. I. S. Chentsov, L. V. Oshchepkova. *Tsitologiya* 8 no. 5 604-609 S-O '66

Electron microscope study of the crystallization of synthetic zeolite of the 4A type. S. A. Levina, N. I. Plushchevskiy, N. F. Ermolenko. *Dokl. AN BSSR* 6 no. 8 500-502 Ag '62

Electron microscopic study of Micromonospora vulgaris spores. N. S. Agre. *Mikrobiologiya* 31 no. 2 275-276 M-Apr '62

Electron microscopic study of structure and mechanism of formation of lead sulfide microcrystals. S. A. Dariusina, G. I. Ostler. *Russk. khim. 5/228-237 '65*

Electron microscopic study of the effect of antibacterial preparations on tuberculous mycobacteria. T. N. Chalkina, I. A. Krasnikov. *Mikrobiologiya* 31 no. 6 62-68 '66

Electron microscopic study of the liver in experimental tumors. V. B. Vil'ner. *Epizoot. i khim. i med. 9 no. 6 339-43 N-D '63*

Formation of supermolecular polymer structures during polymerization of some crystalline monomers. N. A. Plute and others. *Vysokom. sond.* 8 no. 10 1777-1732 O '66

Internal stresses and microstructure of reinforced polyester coatings. M. R. Kiselev, L. A. Sukhareva, P. I. Zubov. *Koll. zhur.* 26 no. 6 840-842 N-D '66

Simple device for changing the specimens without breaking the vacuum in electron microscope. I. M. I. I. Gelfiner. *Lab. delo* no. 1 55-56 '67

Some data on the electron microscopy of nerve tissues; a review of literature. I. I. Glezner. *Zhurn. nevro. i psikh.* 63 no. 11 44-45 '63

Some fluctuation processes observed in field-emission microscope in adsorption of copper phthalocyanine molecules. Ch. Kleint. *Izv. AN SSSR, Ser. fiz.* 30 no. 12 1957-1965 D '66

Study of the electron microscopic structure of cells of the hemopoietic tissue. Report No. 1. Electron microscopic picture of hemopoietic elements in healthy people. I. I. Terent'eva, T. G. Kravtshchinskaya. *Probl. gemat. i peiel. krvi* 8 no. 3 3-10 Mr '63

Studying adsorption of gold on tungsten in field emission microscope. L. L. Sokol'skaya, I. U. V. Zubenkov. *Izv. AN SSSR, Ser. fiz.* 30 no. 12 1921-1926 D '66

Ultrastructure of transplantable hepatomas of C3H mice. Report No. 2. Electron microscopic study of acetic hepatoma 22 and hepatoma 4B. I. I. Pyldover, V. M. Borel. *Tsitologiya* 8 no. 5 597-603 S-O '66

Ultrastructural study of the blue-green algae *Lyngbya cyanoaginata* Schreb. *Mikrobiologiya* 31 no. 5 603-608 S-O '62

Using field emission microscope in studying germanium surface. V. G. Ivanov. *Izv. AN SSSR, Ser. fiz.* 30 no. 12 1954-1956 D '66

## ELECTRON MICROSCOPY—CONGRESSES

Fourth International Congress on Electron Microscopy. E. I. Skaltskiy. *Veterinariya* 43 no. 12 97-98 D '66

## ELECTRON OPTICS

Calculation of current density in the representation of cathode lenses. I. U. V. Kulikov. *Radioelektr. i elektron.* 11 no. 12 2196-2199 D '66





## ELECTRONIC DATA PROCESSING—HYDROMETEOROLOGY

(see also subdivision under Arctic regions)

- Automatization of recording synoptic summaries using electronic digital computers. E. P. Borisenkov, T. S. Medvedeva. Trudy ANII 277 64-67 '66
- Characteristics of statistical structure of decade pressure at some stations of Northern Hemisphere. I. A. Dubkin, L. U. Rykova. Trudy ANII 277 34-13 '66
- Control of data of temperature sounding of atmosphere using electronic digital computer. N. V. Makurin. Trudy ANII 277 68-71 '66
- Graphic representation of information using two-coordinated electron self-recorder. V. N. Smirnova. Trudy ANII 277 81-92 '66
- Method of calculation of some hydrologic elements of surface layer of sea in autumn period. I. P. Doronin, A. V. Smolenskova. Trudy ANII 277 108-127 '66
- Solving problems of weather forecasting based on example of barotropic equation of vorticity. L. I. Bulyeva, K. E. Chernin. Trudy ANII 277 93-98 '66

## ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT

see subdivision under Latvia

## ELECTRONIC DATA PROCESSING—LAYING OUT (MACHINE SHOP PRACTICE)

- Using electronic computers in optimum laying out of metal under conditions of piece and small lot production. F. V. Babayev. Vest mashinosti, 46 no. 12 13-16 D '66.

## ELECTRONIC DATA PROCESSING—MACHINERY INDUSTRY

- Using dynamic programming for the optimization of technological processes in lot production of machines. G. I. Kherne. Vest mashinosti 46 no. 12 68-70 D '66.

## ELECTRONIC DATA PROCESSING—MAGNETIC PROSPECTING

- Mathematical programming in geophysics. S. V. Sholayev. Zap LKH 50 no. 2 53-68 '66

## ELECTRONIC DATA PROCESSING—MERCHANT MARINE

- Use of electronic digital computers in working out schedules for the movement of ships and the loading of ports. L. M. Gas'kov, K. N. Demanov. Trudy Soluz'Mor-NIP'ochki no. 7 17-22 '66.

## ELECTRONIC DATA PROCESSING—METAL CUTTING

- Using electronic computers in determining optimum conditions for metal cutting. N. I. Resnikov. Vest mashinosti, 46 no. 12 59-61 D '66

## ELECTRONIC DATA PROCESSING—METEOROLOGY

- Approximation of two-dimensional meteorological fields under poor illumination of certain part of territory. K. E. Chernin. Trudy ANII 277 51-57 '66
- Graphic representation of coordinate system on screen of electron-ray tube using electronic digital computer. F. S. Medvedeva, K. E. Chernin. Trudy ANII 277 75 81 '66

## ELECTRONIC DATA PROCESSING—MINE RAILROADS

- Isotermic model of a stochastic process of mine locomotive transport system. I. O. Cherkashin, M. O. Fedotenko. Avtomatyka II no. 6 41-15 '66.

## ELECTRONIC DATA PROCESSING—MINING ENGINEERING

- Akademiya nauk Kazakhskoi SSR, Institut gornogo dela, [Cybernetics in mining engineering]. Kibernetika v gornom dele. Alma-Ata, Nauka, 1966, 105 p.

## ELECTRONIC DATA PROCESSING—NAVAL ARCHITECTURE

- Calculation and analysis of the characteristics of random processes on the "Minsk-1" electronic digital computer as applied to problems concerning the strength of ship structures. I. G. Kandell. Trudy LVT no. 81 99-104 '65

## ELECTRONIC DATA PROCESSING—NAVIGATION

- Computing device for determining ship angles in the process of directed trawling at various depths. P. A. Starovolov. Trudy PINRO no. 13 32-50 '62.

## ELECTRONIC DATA PROCESSING—NEUROLOGY

- Use of electronic apparatus in neurophysiology; conference in Ivanovo. E. S. Getter. Vest AN SSSR 35 no. 12 89-90 D '66.

## ELECTRONIC DATA PROCESSING—OCEANOGRAPHY

- Decoding oceanographic information using electronic digital computer. R. B. Dubina, I. U. V. Nikolaev. Trudy ANII 277 128-131 '66

## ELECTRONIC DATA PROCESSING—OIL RESERVOIR ENGINEERING

- Using the method of lattices and the electronic digital computer in solving the problem of natural exhaustion of a closed oil field. B. A. Azimov, G. Sh. Gadzhibayev. Za tekhn. prog. 6 no. 12 14-16, 47 D '66.

## ELECTRONIC DATA PROCESSING—PAVEMENTS

- Algorithm and program for the selection of optimum structure of a pavement having a given strength. B. S. Fozin. Vt dor. 29 no. 12 4-6 D '66

## ELECTRONIC DATA PROCESSING—PETROCHEMICAL PLANTS

- Use of digital control computers in the petroleum refining industry in the U.S.A. B. U. Mandrovskiy-Sokolov, H. O. Sigov. Avtomatyka II no. 6 53-64 '66.

## ELECTRONIC DATA PROCESSING—RAILROADS—MANAGEMENT

- Automation of transportation processes with help of computer technology. K. M. Dubovskii, Zhel. dor. transp. 16 no. 6 10-15 Ju '66.

## ELECTRONIC DATA PROCESSING—RAILROADS—ROLLING STOCK

- Perquisites for the efficient use of electronic computers in economic calculations, as exemplified by locomotive and rail car repair plants. T. I. Vilianova. Trudy MII no. 248 6-19 '66

## ELECTRONIC DATA PROCESSING—RAILROADS—STATIONS—MANAGEMENT

- Automating station operation. A. S. Sachukov, A. I. Rostovskiy, V. A. Butanov. Zhel. dor. transp. 48 no. 11 7-11 N '66.

## ELECTRONIC DATA PROCESSING—ROAD CONSTRUCTION

- Computing equipment in design. R. I. Tsyganov. Vt. dor. 29 no. 11 21-22 N '66

## ELECTRONIC DATA PROCESSING—SCHEDULING (MANAGEMENT)

- Vasil'ev, V. V., A. N. Kleptkova, and A. G. Timoshenko. [Solution of problems in optimum planning using analog computers] Reshenie zadach optimal'nogo planirovaniya na elektronnykh modelnykh. Kiev, Naukova dumka, 1966, 163 p.

## ELECTRONIC DATA PROCESSING—STATISTICAL WEATHER FORECASTING

- Statistical structure of some characteristics of atmospheric circulation. F. V. Altykay, I. A. Dubkin. Trudy ANII 277 20-33 '66.

## ELECTRONIC DATA PROCESSING—TRACTOR INDUSTRY

see subdivision under Minsk

## ELECTRONIC DATA PROCESSING—TRIANGULATION

- [Adjustment of triangulation of lower classes by approximations] Uravneniye zapolnitshech triangulatsii priblizheniymi. [By] P. A. Gaidayev. Moskva, Nedra, 1966, 58 p.

## ELECTRONIC DATA PROCESSING—TURNING

- Levitskiy, M. I. A., and V. P. Sitompey. [Using electronic digital computers in determining cutting conditions in turning] Opredeleniye na elektronnykh tsifrovyykh vychislitel'nykh mashinakh rezhimov rezaniya pri tochenii. Kiev, Tekhnika, 1966, 82 p. (Insert)

## ELECTRONIC DATA PROCESSING—WELDING—METALLURGY

- Certain phenomena occurring at grain boundaries in weld-affected zones. I. A. Stenbegen, Avtom. svar. 10 no. 12 6-8 N [i.e. D] '66.

## ELECTRONIC DIGITAL COMPUTERS

(see also subdivision under Czechoslovakia;

Germany, East)

- Comparison of "rigid" and microprogramming principles for controlling electronic digital computers. G. D. Smolnov, V. A. Pykhtin, G. G. Vsevolodskiy. Izvysa ucheb. zav. elektromekh. 9 no. 10 1045-1051 '66

- Device of control register for "Ural-2" electronic digital computer. E. N. Vlassova, Z. K. Shalaeva. Trudy ANII 277 165-167 '66

- Studying characteristics of localization of gold deposits using electronic digital computers. A. P. Kuklin. Dokl. AN SSSR 171 no. 2 420-130 N '66

- Using reading devices from punched cards in combination with "Ural-2" electronic digital computer. N. F. Bychkov, V. D. Ivanov. Trudy ANII 277 162-164 '66.

## ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

- Programming microlanguage for the "Ural-1" computer. V. B. Borshchev, I. A. P. Vasilovskiy, M. V. Khomlakov. Kibernetika no. 6 47-49 N-D '66

## ELECTRONIC INDUSTRIES

see subdivision under

United States

## ELECTRONIC INSTRUMENTS

- Functional analysis of errors of instruments with large increments of element parameters. V. I. Pampuro. Avtomatika no. 6 3-12 '66

- Increasing dynamic range and sensitivity of null indicators with LC converters. G. A. Alzade, A. D. Mamedov. Za tekhn. prog. 6 no. 12 4-7 D '66

- Structural redundancy of a block of measuring converters in automatic control systems. V. G. Staroselets. Avtomatika no. 5 13-21 '66.

## ELECTRONIC MEASUREMENTS

- Analysis of block diagrams of radiologic instruments. K. S. Klempner, I. M. Cherkashin, N. N. Shumilov. Avtomatika no. 3 87-100 '66.

- Analysis of the error of linear approximation in statistical treatment of measurement results. A. P. Arman. Avtomatika no. 3 76-81 '66

- Automatic measurement of delay in distributed systems with noise. V. P. Zhiyogladov, V. Kh. Kapov. Avtomatika no. 5 37-48 '66

- Automation of input devices measuring the voltage of ordinary impulses. Z. V. Magarach, Avtomatika no. 5 56-65 '66

- Construction of a measuring system with an analog computer for the determination of the time constant of first-order systems. V. P. Iudinov. Avtomatika no. 5 46-47 '66.

- Construction of the algorithm of a self-organizing system of measuring instruments. V. V. Vershinskiy. Avtomatika no. 5 22-26 '66

- Determination of the frequency characteristics of a measuring system by means of excitation and response functions. A. A. Volodarskiy. Avtomatika no. 5 49-55 '66.

- Effect of transient processes on the accuracy of a single-channel differential detector. I. U. A. Skripnik. Avtomatika no. 3 68-75 '66.

- Evaluation of the mean coefficient of the compression of instrument data with adaptive discrimination by Legendre-type algorithms. V. A. Vitikh. Avtomatika no. 5 27-36 '66.

- Gundulskis, Ansis, and Haris Stanke. [Radio-electronic measurements] Radiotehniskie izmerenija. Riga, Liesma, 1966, 438 p. [in Latvian]

- Instrument for panoramic measurements. A. M. Prokhorov. Vest aviats. 26 no. 11 3-4 N '66

- Measuring circuit of a double digital d.c. bridge. V. P. Kotelnikov. Avtomatika no. 3 16-18 '66.

- Measuring circuit of an automatic digital a.c. bridge. F. R. Grinvald, A. V. Chibotarev. Avtomatika no. 3 11-15 '66

- Novopokhenniy, G. N., and P. V. Novitskiy. [Electronic measuring instruments] Elektronnye izmeritel'nye pribory. Moskva, Energiya, 1966, 268 p.

- Optimal averaging intervals in measurement of statistical characteristics of a nonstationary process using one realization. V. I. Ushin. Avtomatika no. 3 113-121 '66

- Polar correlator as a distribution law measuring device. S. M. Poplavskiy. Avtomatika no. 5 76-80 '66.

- Poldinsk, K. S. [Electronic measuring instruments; analog and digital] Elektronnye izmeritel'nye pribory; analogovyye i tsifrovyye. Moskva, Vysshaya shkola, 1966, 309 p.

- Solov'ev, V. K. [Control and measuring instruments] Kontrol'no-izmeritel'nye pribory. 2. Izd., perer. i dop. Moskva, Vysshaya shkola, 1966, 203 p.

- Spectrum of 181Rc conversion electrons in region above 750 KeV. V. A. Ageev and others. Izv. AN SSSR, Ser. fiz. 30 no. 12 2017-2039 D '66

## ELECTRONICS

- Avalanche breakdown tunnel diodes and their application in superhigh frequency technology. A. S. Tago. Usp. fiz. nauk 90 no. 4 631-666 D '66.

## ELECTRONICS—ABSTRACTS

- [Electronics and its applications] Ref. ser.; Elektr. see prim. no. 1 Ja '67

## ELECTRONICS—CONGRESSES

- International symposium on radio engineering electronics, and communication held in Varna. IA K Trokimenko. Izv. vuz. ucheb. zav. radiotekh. 9 no. 6 798-801 N-D '66

## ELECTRONICS—PERIODICALS

- Authors index of vol. 21 of "Radiotekhnika i elektronika" for 1966. Radiotekh. i elektron. 11 no. 12 2289-2292 D '66.

- Contents of vol. 21 of "Radiotekhnika i elektronika," for 1966. Radiotekh. i elektron. 11 no. 12 2274-2288 D '66.

## ELECTRONICS IN BIOLOGY

- Effect of inhibitors on electron transfer chain in purpur bacteria as related to molecular nitrogen fixation. I. D. Ivanov, N. S. Demina. Mikrobiologiya 35 no. 5 780-783 S-O '66

## ELECTRONICS IN BIOLOGY—CONGRESSES

- Second All-Union Conference on the Use of Electronics in Biology and Medicine. IU. B. Mandel'tal'vaig. Med. rad. 7 no. 6 100-101 Ag '62

## ELECTRONICS IN BUILDING

- Kubenko, G. D. [Dispatcher frequency] Dispetcher - radiovolna. Leningrad, Stroiizdat, 1966, 58 p. (Nauchno-populiarnaya seriia)

- ELECTRONICS IN MILITARY ENGINEERING see subdivision under United States

## ELECTRONS

- Applying perturbation theory in studying electron energy spectrum in semiconductor compounds with chalcogenide impurity. G. F. Karashev, A. S. Poplavskiy. Fiz. tver. tela 8 no. 7 2113-2148 J1 '66

## ELECTRONS (Continued)

- Formation of stable electronic configurations and some physical properties of carbides and nitrides of transition metals in the region of their homogeneity. I. I. Kuchma, G. V. Sazonov. Izv. AN SSSR, Ser. fiz. i khim., 2 no. 11-12:1074-1074 N '66.
- New regularities in lowest energy electron levels and electronic transitions in spectra of polycyclic aromatic hydrocarbons. L. M. Chirnov, V. M. Tsvetkov. Vest. Mosk. un. Ser. 2: Khim., 17 no. 5:90-91 S-O '62.
- Planetary variability distribution of maximal electron density of F2 layer. N. I. Potapova. Geomag. i aer. G. no. 6:1025-1031 N-D '66.
- Role of transverse bunching in relation with extensive electron stream. A. A. Shapovalov. Izv. vuz. ucheb. zav. radiofiz., 9 no. 6:1175-1184 '66.

## ELECTRONS—CAPTURE

- Calculation of effective cross-sections of proton charge exchange in collisions with many-electron atoms. V. S. Nibolov. Zhur. eksp. i teor. fiz., 51 no. 4:1263-1280 O '66.
- Effect of trapping levels on volt-ampere characteristic of semiconductor diode. G. M. Avakyan, A. U. Nakhimov. Izv. AN Arm. SSR, Fiz. 1 no. 1:164-169 '66.

## ELECTRONS—EMISSION

- Classical examination of induced electron emission in mutually opposed fields. I. G. Pavlenko, D. V. Gal'perin. Izv. vuz. ucheb. zav. radiofiz., 9 no. 6:1232-1233 '66.
- "Cranial effect" in rubber, aluminum and copper. A. A. Dargatsian, A. A. Kniagorian, K. O. Movsesian. Izv. AN Arm. SSR, Fiz. 1 no. 1:264-266 '66.
- Study of catalysis of catalysts by means of exoelectron emission. Part 7. I. V. Kiyulova, O. G. Kuznetsov. Zhur. fiz. khim., 40 no. 11:2918-2920 N '66.
- Study of catalyst heaters by means of exoelectron emission. Part 4. I. U. P. Shonik and others. Zhur. fiz. khim., 40 no. 11:2850-2851 N '66.
- Studying exoelectron emission from metallic surfaces. G. N. Rostovtsev. Trudy MATI no. 66:166-172 '66.
- Studying phase and structural transformations in metals and alloys with help of exoelectron emission. G. N. Rostovtsev, V. D. Makarov. Trudy MATI no. 66:174-182 '66.
- Work function of covered surface. I. L. Sokol'skaya. Izv. AN SSSR, Ser. fiz., 30 no. 12:1966-1973 D '66.

## ELECTRONS—SCATTERING

- Effective cross section of electron scattering in helium and argon plasmas with admixture of potassium vapor and in pure potassium. I. M. Polshchik, D. A. Dudko. Uchi. fiz. zhur., 11 no. 11:1269-1270 N '66.
- Electron escape in magnetic fields and volt-ampere characteristics. L. B. Levinson. Fiz. tverd. tela 8 no. 7:2077-2083 JI '66.
- Nonlinear plasma motions with arbitrary velocity, distribution of electrons. I. A. Akhiezer, A. G. Boikov. Zhur. eksp. i teor. fiz., 51 no. 4:1227-1235 O '66.
- Scattering of fast electrons on  $Li^{16}$  nucleus and nucleon cluster model. I. U. A. Kudakov, I. U. F. Smirnov, M. A. Chebotarev. Izd. fiz., 4 no. 5:1048-1051 N '66.
- Theory of spin-lattice relaxation of conduction electrons in strong electric field. V. P. Kalashnikov. Fiz. tverd. tela 8 no. 7:2130-2136 JI '66.
- Thermal conductivity of nondegenerate electron gas at inelastic electron scattering on optical phonons. I. V. Buzdova'kyi, V. A. Shendryova'kyi. Ukr. fiz. zhur. 11 no. 11:1247-1248 N '66.

## ELECTRONS—SPECTRA

- Width and density of highly excited atomic levels in gases. M. A. Kozhushina. Zhur. eksp. i teor. fiz., 51 no. 5:1457-1468 N '66.

## ELECTRO-OPTICAL EFFECTS

- Dispersion characteristics of linear electro-optical effect in quartz crystals. O. H. Vlokh. Ukr. fiz. zhur., 11 no. 11:1184-1185 N '66.
- Structural mechanism underlying the electro-optical and thermooptical effects in thermoelectric crystals of the triglycine sulfate type. N. R. Ivanov, L. A. Shvachko, I. D. Kiselevskii. Dokl. AN SSSR, 171 no. 5:1092-1095 D '66.

## ELECTROPHORESIS

- Electrophoretic examinations of denaturation processes of serum proteins in cancer of the stomach. Z. B. Nodkina. Lab. delo no. 1:48-49 '67.
- Electrophoretic picture of the serum proteins of karakul sheep. N. Kh. Mekhllov. Veterinariia 43 no. 12:65-68 D '66.
- Heat electrophoretic homogenization of blood proteins. V. I. Okulov, G. V. Trofimenko. Biokhimiia 28 no. 2:277-284 Mz-Ap '63.
- High-voltage electrophoretic separation of amino acids and peptides. O. L. Pollanovskii. Vop. med. khim., 12 no. 6:581-586 N-D '66.
- Purification of gonadotropic hormone preparation by ion-exchange chromatography on diethylaminoethyl cellulose and zonal electrophoresis on starch. A. I. Minkina. Biokhimiia 27 no. 5:805-813 S-O '62.

## ELECTROPHYSIOLOGY

- Action potentials of crayfish muscle fibers following prolonged exposure to solutions containing Ba ions. I. A. Liberman, L. L. Voronin. Biophysika 8 no. 5:570-577 '63.
- Changes in SH group and RNA content in motoneurons of spinal cord of cat following stimulation of posterior root by electric current pulse of different frequency. A. Didukhin, O. S. Melnikova. Dokl. AN SSSR, 171 no. 2:487-489 N '66.
- Changes in the amplitude of the action potential of grass crab nerve fibers during the spreading of impulses of varied force from the point of stimulation. G. A. Mozhayev, G. N. Mozhayeva, I. I. Maslokhova. Biophysika 8 no. 5:566-571 '63.
- Changes in the electrical characteristics of muscle fibers due to increased potassium concentrations in the environment. V. A. Mel'sht. Biophysika 8 no. 5:568-569 '63.
- Effect of brief and prolonged hypothalamic stimulation on free and bound blood cholesterol. I. U. N. Baidushkov, L. Kh. Garkavi. Bul. eksp. i med., 55 no. 6:61-65 Ja '63.
- Effect of reciprocal changes in the concentration of potassium and chloride ions on the magnitude of resting potentials in isolated skeletal muscle fibers of the frog. L. M. Zy'zhum' [Liang Zh'zhun], G. A. Kuznetsov. Biophysika 8 no. 5:597-605 '63.
- Electric potentials of isolated nerve as affected by tetanus toxin. S. A. Kuznetsov, M. G. Mogilan. Izv. AN Mold. SSR no. 5:113-119 '65.
- Electric activity of the muscles of the anterior abdominal wall in A. V. Vishnevskii's lumbar myocoele block. A. V. Livshits. Eksp. i teor. fiz., 51 no. 6:57-59 N-D '63.
- Electrical potentials of the degenerating dorsal spinal cord root in cats. T. M. Mamontova. Fiziol. zhur. 48 no. 10:1270-1276 O '62.
- Electrophysiological data on the work of "biological clock" in the human brain. L. G. Voronin, V. P. Kononov. Vop. psikh., 12 no. 6:87-94 N-D '66.
- Electrophysiological data concerning the connections of the pallidum with other sections of the central nervous system in man. Report No. 2. Connection of the pallidum with the spinal cord centers and autonomic trunk formations. I. M. Gil'man and others. Bul. eksp. i med., 55 no. 5:9-13 My '63.
- Electrophysiological methods in studying the main characteristics of the human nervous system. V. D. Nedyalkin. Sov. pedagog., 30 no. 8:35-44 Ag '66.
- Electrophysiological studies on the formation of temporary connections. V. S. Rusinov. Zhur. vuz. nerv. del., 12 no. 3:410-417 My-Je '62.
- Experimental model for the study of the interrelations of the cerebral cortex and subcortical formations. A. M. Klovchikov. Bul. eksp. i med., 55 no. 5:115-117 My '63.

- Methodology for the implantation of multiple electrodes in various areas of the cerebral cortex in cats. N. N. Trachenko. Fiziol. zhur. 48 no. 10:1279-1282 O '62.
- Nature of connections of acoustic hemispheric center in pigeon and their effect on induced potentials. V. D. Mikhaylov. Vest. Mosk. un. Ser. 6: Biol., pochv., 21 no. 4:21-25 JI-Ag '66.
- Reflex activity of long axons of cortical neurons. S. A. Kuznetsov. Izv. AN Mold. SSR no. 5:37-42 '65.
- Some data on bioelectrical studies of interocular reflex reactions in dogs. N. I. Guskova. Izv. AN Mold. SSR no. 5:30-36 '65.
- Some methodological characteristics of microelectrophysiological studies under "radiation exposure". K. Sh. Nadarashvili. Radiobiologiya 6 no. 5:693-696 '66.
- Summation and accommodation in stimulation of the cortical motor region in adult and newborn animals. D. P. Matushkin. Bul. eksp. i med., 55 no. 6:3-8 Ja '63.

## ELECTROPHYSIOLOGY OF PLANTS

- Bioelectric characteristics of the state of a plant leaf in light and in darkness. O. O. Lialin. Biophysika 8 no. 5:612-618 '63.
- Ionic and structural changes in excited plant cells. A. M. Smirnova, L. A. Ozolina. Trudy Un. druzh. nar., 14, Ser. khim., nauki no. 1:186-214 '66.
- Movement of *Mitella flexilis* protoplasm as affected by local and spreading potentials. L. N. Vorob'ev, I. A. Vorob'eva. Biophysika 8 no. 5:575-579 '63.

## ELECTROPLATING

- Dyokhin, M. I. [Automatic electrodeposition of wear-resistant coatings in ship repair]. Avtomatizatsiya natsionalnaya i znanosostokikh gal'vanopokrytiy v sudostroyenii, [Moskva] Transport, 1966, 45 p.

## ELECTROPLATING—QUALITY CONTROL

- Application of molecular spectral analysis for the control of the composition of electroplating baths. V. S. Burakov and others. Dokl. AN SSSR 6 no. 6:370-372 Je '62.

## ELECTROSTATIC PRECIPITATION

- Effect of the nonuniformity of flow on the operational efficiency of multisectional filters. L. A. Rikhter, I. U. G. Kozlov. Elek. sta., 37 no. 11:20-23 N '66.

## ELECTROSTATIC SPRAY PAINTING see Spray painting, Electrostatic

## ELECTROSTATICS

- Electric phenomena during the deterioration of guiding machine parts. P. T. Basko. Izv. vuz. uch. zav. tekhn. leg. prom. no. 3:162-167 '66.

## ELECTROSURGERY

- Treatment of intraepithelial cancer of the cervix uteri with diathermic excision as an outpatient service. F. N. Zel'dovich, I. I. Odol'ko. Vop. onk., 12 no. 11:7-7E '66.

## ELECTROSURGERY—EQUIPMENT AND SUPPLIES

- Improved type of electrosurgical probe. I. M. Mamedov. Vop. onk., 12 no. 12:73-75 '66.

## ELECTROTHERAPEUTICS

- Phenomenon of suppression of the autonomic reflexes in ventricles in complete atrioventricular block under the influence of rhythmic electric impulses. N. I. Baidushkov, I. G. Kostenko. Pat. fiziol. i eksp. i med. no. 3:25-29 '64.
- Technical problems of using electrical stimulation of the heart in clinical practice. E. B. Babak, L. S. Ushakov. Skl. Pskop. khim. i med. no. 6:6-11 N-D '63.
- Use of multiple electrodes implanted in the subcortical structures of the human brain for the treatment of hyperkinesia. N. P. Bekhtereva and others. Zhur. vuz. i psikh., 63 no. 1:3-8 '63.

## ELEKTROSTAL' (MOSCOW PROVINCE)—LIBRARIES

- Our city is a contemporary of the October Revolution. E. Smirnova. Bibliotekar', 44 no. 1:32-33 Ja '67.

## ELEMENTARY EDUCATION see Education, Elementary

## ELEPHANTIASIS

- Pathogenesis and treatment of elephantiasis. S. Z. Gershtikov. Sov. med., 20 no. 12:31-35 D '66.

## ELEPHANTS, FOSSIL see subdivision under Vertebrates

## ELEVATORS

- Modernization of S-147 construction elevators. Stroitel. mash. 8 no. 6:16 Je '63.

## ELEVATORS, PRIVATE RESIDENCE

- Ol'khova, A. P. [Elevators in high-rise apartment houses, selecting the type of elevator and determining their quantity]. Lifty v zhilykh domakh povyshennoy etazhnosti, vybor tipov liftov i opredeleniye ikh kolichestva, Moskva, Nauchno-issled. i inzh. tsentr, Institut i perspektivnykh problem sovetskoy arkhitektury, 1966, 33 p. [MICROFILM]

## ELIMINATION

- Generalizing the schemes of Gauss and Kholetskii. A. P. Tishchenko. Izv. vuz. ucheb. zav. geod. i aerof., 3 no. 3:53-56 '62.

## ELIPSE

- Processing ellipsograms using the method of true ellipses. G. N. Tkachev. Geol. i geofiz., no. 11:114-121 '63.

## ELLIPTIC DIFFERENTIAL EQUATIONS see Differential equations, Elliptic

## ELM—DISEASES AND PESTS

- (see also subdivision under Rostov Province)
- Elm bucculatrix, bucculatrix ulmicola Kuznetsov, sp. n. (Lepidoptera, Bucculatricidae) a pest of elms of Transcaucasia and Central Asia. V. I. Kuznetsov. Dokl. AN Arm. SSR 35 no. 2:81-83 '62.

## EMASCULATION see Castration

## EMBOLISM

- Diagnosis of fatty embolism of cerebral vessels in multiple fractures accompanied by cyanosis. A. E. Kucherenko. Travmatologiya no. 1:130-132 '65.
- Treatment of embolisms and thromboses of the pulmonary artery. N. M. Rzaev. Khirurgiya 42 no. 11:109-114 N '66.
- Venous thrombosis and embolism of the pulmonary artery as complications in fractures. N. I. Bgantsev. Trudy Inst. im. N. V. Sklif., 7:389-392 '63.

## EMBRYOLOGY—FISHES

- Inorganic and phosphoproteins in the embryonal development of the bone loach (*Hyporhamphus fossilis* L.). K. A. Kafiani, M. A. Timofeeva. Biokhimiia 27 no. 5:838-842 S-O '62.
- Morphological and ecological characteristics of embryonic development of vimba in Dniester River. M. Z. Vladimirov. Biol. res. vod. Mold. no. 4:54-55 '66.
- Phylogeny of Elasmobranchii. N. N. Disler. Zool. zhur. 45 no. 11:1073-1085 '66.
- Relationship between spermatogenesis and growth rate in fishes. A. M. Zelenin, I. F. Kubrak. Biol. res. vod. Mold. no. 4:75-81 '66.

## EMBRYOLOGY, HUMAN

- Development of heart innervation in human embryos. I. I. Novikov. Dokl. AN SSSR 10 no. 12:1098-1099 D '66.

## EMERGENCY MEDICAL SERVICES

Performing gastric and duodenal ulcers in the clinic of emergency surgery S V Lobachev, O I Vinogradova Trudy Inst im N V Sklif 7:17-25 '63

## EMIGRATION AND IMMIGRATION

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Study of the epidemiological effectiveness of different types of vaccine for the prevention of tick-borne encephalitis B F, Semenov and others Vop. virus, 8 no.4:436-440 JI-Ag '63

## ENCEPHALITIS, EPIDEMIC

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Stability of tick-borne encephalitis tissue vaccine P S, Karaseva, B F, Semenov Trudy Moskau nauch. iissl. inst. virus prep no 3:92-95 '65

## ENCEPHALITIS, EPIDEMIC—MICROBIOLOGY

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## ENCEPHALITIS VIRUSES—CULTURES AND CULTURE MEDIA

Characteristics of the hemagglutinating properties of the Japanese encephalitis virus growing in chick fibroblast culture Duan Suan-Myou, S IA, Gaidanovich, Vop. virus, 8 no.1:100-103 JI-Ag '63

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Etiology of "demyelinating encephalomyelitis" of animals R A, Kantorovich, G V, Konvalov Vopr. nauka 13 no.12:16-18 D '66

Influence of various factors on the course of experimental allergic encephalomyelitis D A, Markov, A L, Leonovich, G A, Uvarova, Dokl. AN BSSR 6 no.6:396-398 Ja '62

## ENCEPHALOMYELITIS, EQUINE—MICROBIOLOGY

Stimulating effect of L-glutamine on reproduction of Venezuelan encephalomyelitis virus A I, L'vova and others Vop. virus 11 no 5:599-600 S-O '66

## ENDOCRINE GLANDS—DISEASES

[Multivolume manual on pathological physiology] Mnogotomnoe rukovodstvo po patologicheskoi fiziologii, Otv. red. N N, Sirotin, Moskva, Meditsina, Vol.4, Leites, S M, and S M, Pavlenko, eds.

[Pathological physiology of the digestive system, liver, endocrine and nervous systems] Patologicheskaya fiziologiya pishchevaritel'noi sistemy, pocheni, endokrinnoi i nervnoi sistem. 1966, 548 p. (DNLM)

## ENDOCRINOLOGY

[Multivolume manual on internal diseases] Mnogotomnoe rukovodstvo po vnutrennim bolezniam. [Leningrad] Meditsina.

Vol.7, Barnoy, V G, ed. [Diseases of the endocrine system] Bolezni endokrinnoi sistemy. 1968, 875 p. (DNLM)

Ontological aspects of immunological endocrinology V M, Dikman, B N, Sofronov, Vop. onk. 12 no.11:109-117 '66

## ENDOMETRIUM—DISEASES

Decidual transformation of the uterine mucosa in a patient with breast cancer as a manifestation of general hormonal disorders A K, Ageev, Vop. onk. 9 no.3:116-118 '63

## ENDOMYCELS—CULTURES AND CULTURE MEDIA

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Morphology and histochemistry of the endothelium of morphological vascular prostheses A B, Shchukin, A M, Kholikhin, M I, Kibanev Trudy I-go VNI 49:308-317 '66

## ENERGY METABOLISM

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Characteristics of oxidative metabolism in animals in hypobiotic hibernation L P, Zubok Istokhina 28 no 2:265-271 Yu-Ap '63

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## ENGINEERING GEOLOGY

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Platonov, N. Kh., and R. A. Tikhonov. [Practical handbook for a course on the "Fundamentals of engineering geology"] Prakticheskoe posobie po kursu "Osnovy inzhenernoi geologii." Pod red. I. G. Golubeva, Moskva, Nedra, 1965, 70 p.

## ENGINEERING MODELS

Three-dimensional designing of industrial enterprises G O, Taleyevskan Prom. inzh. no D-1-3 '62

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## ENGLISH BEAN see Broad bean

## ENGLISH LANGUAGE—PRONUNCIATION BY FOREIGNERS

Lukatskii, I. A. [Preventing student's mistakes in English pronunciation, a manual for the teacher] Preduprezhdenie oshibok uchashchikh v angliiskom proiznoshenii; posobie dlia uchitelia, Izd. 2, perer., Moskva, Prosveshchenie, 1966, 111 p.

## ENGLISH LANGUAGE—SEMANTICS

Influence of context on the functions of the definite article and demonstrative pronoun in their anaphoric use in modern English K G, Suredina, Uch. zap. GGU no.65, 128-141 '65

## ENGLISH VISITORS see Visitors, English

## ENSILAGE see Silage

## ENTEROBACTERIACEA

Etiological structure of bacterial intestinal infections A IA, Veselov, Zhur. mikrobiol., epid. i immun. 43 no.11:95-97 N '66

Lysoactivity and collagenicity in enterobacteria P I, Ermol'yanov Zhur. mikrobiol., epid. i immun. 43 no.11:91-95 N '66

## ENTOMOLOGICAL RESEARCH see subdivision under Bacteria

## ENTROPY

Main thermodynamic regularities in studying the energy of mineralization N I, Safronov Zap. LGI 50 no 2:17-31 '68

## ENVIRONMENTAL ENGINEERING

Economics and aesthetics N N, Erman, Prom. bel. 9 no.12:14-15 D '66

## ENZYMES

Allosteric regulation of enzyme activity. S. A. Nizhnik. *Trudy LPMU* no 32 103-116 '65

Bakhtadze, K. B. [Clinical significance of enzymatic indices of the intestine in some of its diseases]. Klinicheskoe znachenie fermentnykh pokazatelei kishechnika pri nastroynykh ego zabolevaniyakh. Pod red. E. I. Atakhtova. Tashkent, Meditsina, 1966. 118 p. (DNLM)

Characteristics of enzymes of *Bacillus mesentericus* strain PB. V. A. Iulius. O. Kh. Tumulova. Prikl. biokhimiya i mikrobiol. 2 no. 6 670-674 N-D '66

Degradation of trehalose, kojibiose, nigerose, maltose and isomaltose by liver enzymes. I. S. Lukomskaya. Biokhimiya 27 no. 5 875-881 S-O '62

Effect of 3,4-dimethylphenol on the resynthesis of phosphocreatine and glycogen in the muscles during the period of rest after work. N. R. Chagovets. Fiziol. zhur. 48 no. 10 1260-1264 O '62

Histochemical study of changes in oxidation-reduction enzymes in the process of viral carcinogenesis. N. T. Rakhlin. F. A. Smirnov. F. I. Iul'ina. Voprosy 11 no. 6 711-717 N-D '66

Integral physiological method of studying enzymatic ("active" biological) systems and some elements of its general theoretical foundation. O. S. Kivoshchev. Izv. AN Mold SSR no 5 18-29 '65

Preparative procedure for obtaining enriched preparations of arabinoside (Ara-C) synthetases from baker's yeast. M. V. Ozerov. I. S. Sandakhtev. Biokhimiya 31 no. 6 1121-1126 N-D '66

Purification of enzymatic extracts from *Chloralla*. V. R. Shadrin, Z. G. Estigueva, V. L. Kictovich. Prikl. biokhimiya i mikrobiol. 2 no. 6 667-669 N-D '66

Specificity of the enzyme system catalyzing the amination of pyruvic acid and its coenzymes. N. N. Berezhovskaya. Biokhimiya 27 no. 5 889-893 S-O '62

Thermophilic bacteria producing active cellulolytic enzymes. L. G. Logvinova, R. S. Golovacheva, M. A. Shcherbakov. Mikrobiologiya 35 no. 5 796-804 S-O '66

Utilization of L-fucose by kidney enzymes. O. M. Kostukovskaya, E. L. Rozenfeld. Biokhimiya 27 no. 5 912-915 S-O '62

## ENZYMES—THERAPEUTIC USE

Effect of enzymes on malignant tumors. I. I. Oleinik. Voprosy 12 no. 11 104-109 '66

## EOSINOPHILES

Differential diagnostic significance of eosinopenia in myocardial infarct and stenocardia. L. B. Sheldeshova. Sov. med. 26 no. 317-20 M. '63

## EOSINOPHILIC GRANULOMA

Noninfectious reticulendotheliosis, xanthomatosis and eosinophilic granuloma. A. Ozols, Z. A. Khvostanbeva. Trudy Novokuz GIDUVA 32 107-110 '65

## EPERYTHROZOOON

Study of eperythrozoonosis in sheep. L. P. D'fakonov. Veterinaria 43 no. 11 45-50 N '66

## EPIC POETRY

Discussion on the project for "The dictionary commentary on the 'Lay of the Host of Igor'". M. A. Salmina. Trudy ODRL 18 594-595 '62

History of the discovery of the manuscript "Lay of the destruction of the Russian land". I. U. K. Begunov. Trudy ODRL 18 26 no. 8 '62

N. M. Karamzin and the "Lay of the host of Igor". L. A. Dmitriev. Trudy ODRL 18 38-49 '62

## EPIC POETRY, ESTONIAN

Annals, August, comp. [Mari, singer of folk songs; heroic poetry from the time of serfdom] Lauuema Mari, kangelasugu vanast orjaajast. Rahvapärimustest poimud Augusti Annist. Tallinn, Eesti Raamat, 1966. 84 p. [in Estonian]

## EPIDEMIC ENCEPHALITIS see Encephalitis, Epidemic

## EPIDEMICS IN ANIMALS see Communicable diseases in animals

## EPIDEMIOLOGICAL RESEARCH see subdivision under Azerbaijan

## EPIDEMIOLOGY

Characteristics of whooping cough epidemiology under conditions of mass vaccination. M. I. Khazunov and others. Zhur. mikrobiol. i epid. i immun. 43 no. 11 62-68 N '66

Epidemiological characteristics of toxoplasmosis. S. L. Konovalova. Zhur. mikrobiol. i epid. i immun. 43 no. 11 141-143 N '66

Epidemiology of colenteritis. Yu. M. Krivkov. Zhur. mikrobiol. i epid. i immun. 43 no. 11 128-131 N '66

Voroshilova, M. K. [Immunology, epidemiology and prevention of poliomyelitis and analogous diseases]. Immunologiya, epidemiologiya i profilaktika poliomiellita i skhodnykh s nim zabolevaniy. Moskva, Meditsina, 1966. 439 p. (DNLM)

## EPIDEMIOLOGY—CLASSIFICATION

Experience in the systematization of categories and laws of epidemiology. Report No. 1: Categories of epidemiology. A. A. Chasovnikov. Zhur. mikrobiol. i epid. i immun. 43 no. 11 109-114 N '66

## EPIDOTE

Effect of epidote and chlorite schists as fertilizers on farm crops. O. A. Komina. Pochv. ust. i efek. udob. no. 1 115-135 '63

## EPICURI, Monk, 15th cent.

Some representations of Epicuri the Wise and their literary sources. O. I. Beiblova. Trudy ODRL 22 91-100 '64

"The weaving of words" and the woven ornament of the end of the 14th century. O. F. Konovalova. Trudy ODRL 22 101-111 '66

## EPIGRAMS, ITALIAN

Taking a stroll through Rome bookstores. A. Glukhov. Vmeste knig 6 no. 10-16 O '66

## EPIPHYSE

Epiphyseolysis of the distal end of the radius and its treatment. F. I. Dalich. Travmatologiya no. 1-278-280 '65

## EPITHELIUM—CANCER

Interdependence between precancer metaplasia, intra-epithelial cancer and microcarcinoma of the cervix uteri. A. A. Kuklin. Klin. onk. no. 1 161-167 '65

## EPOVA, NINA AFANAS'EVNA, 1903-1960

In memory of Nina Afanas'evna Epova. Izv. Vost.-Sib. otd. Geog. obshch. SSSR 60 155-160 '62

## EPOXY COMPOUNDS

Cold-cured epoxy-acrylate compounds. G. L. Il'khovskii, R. R. Popovici, V. M. Kuznetsova. Plast. massy no. 9 14-16 '62

Studying the resistance of epoxy compounds to vibration loads. Yu. V. Gershtein. Trudy LVT no. 82-96-100 '65

Thermal degradation of epoxide polymers of di-(3-glycidoxynaphthyl) amides of dicarboxylic acids. I. V. Litvinenko, B. M. Kovaleva, K. A. Kornev. Khim. prom. Utr. no. 6 22-24 N-D '66

## EPOXY RESINS

Heat-cured epoxy-novolac compositions and the effectiveness of their utilization. A. F. Nikolov and others. Plast. massy no. 12 13-16 '66

Internal stresses in epoxy resin films. S. A. Shcherer, P. I. Zubov, T. A. Volkova. Vysokom. soob. 1 no. 11 1711-1717 N '62

Structure of cured epoxy resins studied from equilibrium swelling and conversion of epoxide groups. M. M. Tarasovskii, M. I. Tikhonov, koll. zhur. 28 no. 6 876-880 N-D '66

Synthesis of epoxy resins with increased thermal resistance. L. K. Solov'ev and others. Trudy MKIIT' no. 42: 110-113 '63

## EPOXY RESINS—TOXICOLOGY

Toxicity of brand E-181 epoxy resin. N. I. Shumakova, M. S. Tolgskaya. Toks. nov. prom. khim. vesch. no. 8 111-126 '66

## EQUATION OF STATES

Equation of state of real gas and liquid in approximation of modified self-consistent field. I. P. Bazarov. Zhur. fiz. khim. 40 no. 11 2749-2752 N '66

## EQUATIONS

Use of asymptotic second-order polynomials for approximate solution of differential and integral equations. I. I. Eismann. Izv. vuz. ucheb. zav. mat. no. 6 161-169 '66

## ERBIUM ISOTOPES

Ot'edinnnyi institut iadernykh issledovaniy. Laboratoriya neitronnoi fiziki. [Neutron resonances of erbium isotopes]. Neitronnye rezonansy izotopov erblina. [By] E. N. Karzhavina, A. B. Popov, Yu. S. Lazitskii. Dubna, 1967. 33 p.

## ERGOCALCIFEROL

Relationship between ergocalciferol (vitamin D<sub>2</sub>) and oxyhemoglobin and cytochrome c. N. V. Blazhlevich, V. B. Spirichev. Biokhimiya 31 no. 6 1100-1106 N-D '66

## ERGOMETER see Dynamometer

## ERGOSTEROL

Ergosterol production by fodder yeast. E. M. Dikanevskaya and others. Prikl. biokhimiya i mikrobiol. 2 no. 6 635-639 N-D '66

## ERIONITE—ADSORPTIVE PROPERTIES

Ion-exchange and sorptive properties of synthetic erionite. L. P. Shchinskaya and others. Dokl. AN BSSR 10 no. 12: 861-864 D '66

## ERIVAN—ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS

Worker's honor. R. Avetisyan. Prom. Arm. 9 no. 10: 12-13 '66

## ERIVAN—ELECTRIC INDUSTRY WORKERS—HEALTH AND HYGIENE

For the benefit of the people. V. Kuplikov. Chkh. 111 no. 1 50-51 1966

## ERIVAN—GROCERY TRADE—MANAGEMENT

"Svan." G. Matveeva. Sov. tur. 40 no. 121-25 11 '67

## ERIVAN—ROAD CONSTRUCTION

Road has been shortened by 6 km. S. Matosyan. Avt. zhur. 29 no. 12 10 D '66

## ERIVAN—RUBBER, SYNTHETIC—TECHNOLOGICAL INNOVATIONS

Movement toward a target. G. Bagdasarian. Prom. Arm. 9 no. 10 11-16 '66

## ERIVAN—RUBBER INDUSTRY—MANAGEMENT

Problems in the scientific organization of labor. A. Grigorian. Prom. Arm. 9 no. 10 9-11 '66

## ERIVAN—TELEVISION AND CHILDREN

Our successes. O. Melik-Vrtanesian. Sov. radio 111 8 no. 3 11 '66

## EROSION

(see also subdivision under Akshtyrak Valley; Dnyu Valley; Chumyeh Valley)

Some opinions on the development of erosion. A. V. Tsygankov, S. I. Nikitin, V. M. Alekhin. Uch. zap. Vost. gos. ped. inst. no. 10 141-146 '64

## ERRORS, THEORY OF

Accuracy in the solution of normal equations. V. I. Solov'nikov. Izv. vuz. ucheb. zav. geod. i aerof. no. 3 41-52 '62

Analysis of measuring errors with LSM-3 apparatus. A. B. Lomakin. Metod. i tekhn. razv. geod. i aerof. no. 5 21-30 '65

Generalizing the schemes of Gauss and Kharaveli. A. P. Tishchenko. Izv. vuz. ucheb. zav. geod. i aerof. no. 3 51-58 '62

Harvard University. Computation Laboratory. [Tables of the error function and of its first twenty derivatives] Tablitsy funktsii oshibok i ee pervykh dvadtsati proizvedennykh. Moskva, Vychislitel'nyi tsentr AN SSSR, 1965. xvi, 278 p. (Biblioteka matematicheskikh tablits, no. 3) (NIC)

Traverse nets and the effect of the errors in them. I. E. Pavlov. Izv. vuz. ucheb. zav. geod. i aerof. no. 1 25-30 '63

## ERYTHREMIA

Comparative activity of extrinsic photoprotective agents. M. I. Gubina and others. Vost. tur. 40 no. 12 17-21 '66

## ERYTHROBLASTOSIS FETALE

Clinical aspects of hemolytic disease of newborn infants in ABO incompatibility. K. G. Sokolova-Akaleva. Vest. AMN SSSR 17 no. 10 48-52 '62

Use of low-molecular polyvinylpyrrolidone in a complex treatment of erythroblastosis fetalis. L. G. Dufanova, V. A. Tikhonova, A. A. Ponom. Probl. gemat. i perel. krov. 8 no. 3 48-52 M. '63

## ERYTHROCYTES

Amount of hemoglobin and erythrocytes in young rabbits of various ages in a hatchery and after its planting in a river. I. N. Ostrovskaya. Trudy MNH no. 12 476-486 '66

Changes in erythrocyte composition of the blood during prolonged complete dietary starvation (without limitation of water) and subsequent feeding. M. I. Shapiro. Biol. zhur. i med. 55 no. 5 110 14 '65

Changes in phosphorus and carbohydrate metabolism of erythrocytes in healthy rabbits under the influence of cortisone. B. S. Berezovskii. Probl. endok. i gorm. no. 1 7-12 Ja-V '63

Character and mechanism of qualitative erythrocyte change in allergy. O. M. Trager, G. S. Golovov, P. I. Izrael. Eksp. teor. no. 3 30-35 '64

Constants of the rate of erythrocyte lysis by the toxin of *Clostridium perfringens* type A in various animals. N. I. Shadrinskii, I. G. Polozova. Zhur. mikrobiol. i epid. i immun. 33 no. 6 111-117 Ja '62

Effect of radioactive water pollution on red blood in embryos and larvae of salmon (*Salmo gairdneri*). G. V. Neustroev. Trudy MNH no. 12 480-491 '66

Effect of whole-body X-ray irradiation on hemopoiesis in vitro by hemolysates of chick erythrocytes. T. V. Kazanova. Radiobiologiya 6 no. 6 817-818 '66

Modifying effect of serum proteins on dosage relationship in radiation injury of erythrocytes. L. V. Orlov, K. H. Trubcher. Radiobiologiya 6 no. 6 815-816 '66

Octanol method of preparation and catalytic properties of acetylcholinesterase from erythrocytes of warm-blooded animals. A. P. Brestkin, D. L. Pevzner. Biokhimiya 31 no. 6 1174-1180 N-D '66

Once more on the problem of the interrelation between polychromatophylls, basophilic granules and granular filamentous structures of erythrocytes (a reply to Professor E. B. Zakrzhevskii and L. G. Vasil'eva). D. I. Goldberg, E. D. Goldberg, K. G. Potekhin. Probl. gemat. i perel. krov. 8 no. 2 23-28 F '63

#### ERYTHROCYTES (Continued)

Use of animal serum for the determination of human erythrocyte groups by the ABO system. M. I. Iovt, Probl geneti, i pcel, krov 8 no 2 34-36 F '63

Use of pregnant mare's serum and erythrocyte mass in sterility of cows. I. L. Iakimchik, Vetsinnaria 13 no 1 79-80 Ja '67.

Use of radioactive chromium in the study of the adaptation of erythrocytes in transfused blood. G. A. Guseinov and others, Azerb med zhur 40 no 9:21-26 S '63

#### ERYTHROMYCIN

Erythromycin treatment of purulent diseases of the skin and subcutaneous tissue. V. S. Denisenko, Vest dzhur iven 37 no 3,26-31 Mi '63

#### ERYTHROPOIESIS

Effect of blood-stimulating plasma substances on erythropoiesis in experimental radiation sickness. I. N. Iamshchikova, Vop, radiobiol, 4:100-105 '61.

Regeneration of the blood in donors in repeated blood extractions during a reticulocytic crisis. Z. N. Babit, Probl geneti, i pcel, krov 8 no 3,16-18 Mi '63

#### ESCHERICHIA COLI

Consumption of Bacillus coli by water flea Daphnia pulex. De Geer, R. I. Levina, N. M. Kulichkova, V. I. Kondratukh, Dokl. AN BSSR 10 no 12:982-984 D '66.

Data for the improvement of bacteriological diagnosis of colenteritis. Report No. 1: Increased growth of enteropathogenic Escherichia coli bacilli after the preliminary accumulation in the bouillon at 43-44°C. T. V. Smirnova, A. S. Ivanova, Zhur mikrobiol, epid i immun 33 no 6,63-65 Je '62

Data on colenteritis morbidity in Zaporozhye. Kh. I. Baranova, Zhur mikrobiol, epid i immun 33 no 6, 60-63 Je '62

Effect of hypovitaminosis C on the course of experimental intestinal infections in monkeys. Z. K. Stankevich, Biol eksp biol i med 55 no 5:52-55 Je '63

Effect of poisons on the development of Bac. acetosulphillus and Bac. coli. M. B. Kupletskaya, I. T. Nette, Mikrobiologiya 31 no 2:227-232 Mi-Apr '62

Experience with phage typing of the serotype O111 B1 of Escherichia coli. M. D. Krylova, Zhur mikrobiol, epid i immun 33 no 6,65-69 Je '62

Genetic combinations in intestinal bacteria. Report No. 1: Hybridization of Escherichia coli and Shigella flexneri. A. P. Peklov, A. A. Abdlov, Biol eksp biol i med 55 no 5 88-90 My '63

Histamine-histaminase system in Escherichia coli endotoxin intoxication. K. A. Kozlovskiy, Pat. fiziol. i eksp. terap. no 3:11-14 '64.

Outbreak of acute intestinal disease caused by Escherichia coli of the O18 serotype. D. M. Kulikova, D. I. Valsman, M. I. Kovalchuk, Zhur mikrobiol, epid i immun 43 no 6:60-73 Je '62

Pathogenic Escherichia coli and their role in the etiology of intestinal diseases in children in Smolensk. V. A. Kaveva and others, Zhur mikrobiol, epid i immun 33 no 6:73-77 Je '62

Role of amino and carboxyl groups of Escherichia coli C cell walls in adsorption of phage  $\phi$  X171. N. V. Timakova, Mikrobiologiya 35 no 5:861-867 S-O '66

Serological reactions with tissue antigens in irradiated and vaccinated animals. N. N. Klenparshina, N. V. Raeva, Zhur mikrobiol, epid i immun 33 no 6 107-111 Je '62

Some criteria for the detection of correlations between bacteria and viruses. Report No. 1: Bacteria of the Escherichia coli group as absorbents of enteroviruses. A. F. Esosol', K. G. Medvedskaya, I. I. Noznenkova, Zhur mikrobiol, epid i immun 43 no 11:60-73 N '66

Spheroplasts of Escherichia coli obtained by means of phage "ghosts". D. M. Goldfarb, A. V. Avdeyev, N. B. Borisova, Mikrobiologiya 31 no 5:860-879 S-O '62

#### ESENIN, SERGEI ALEKSANDROVICH, 1895-1925

For the admirers of a poet. A. Khilko, V mla knig 6 no 11:31 N '66.

#### ESKOVA-VOSKRESENSKAYA, ALEKSANDRA IL'INICHNA, d. 1866

A. I. Eskova-Voskresenskaya; an obituary. Sov. pedag. 30 no 6 158 Je '66

#### ESOPHAGUS—BLOOD SUPPLY

Distribution and anastomoses of the arteries of the esophagus in dogs. V. L. Zeilak, Ann ANUSSR no 7:559-561 '63

#### ESOPHAGUS—CANCER

Complications related to the use of a permanent catheter in operations on cancer of the upper portion of the stomach and esophagus. L. G. Kharitonov, A. V. Bogdanov, A. Zh. Verman, Khirurgiya 42 no 11 36-38 N '66.

Our experience in surgical treatment of cancer of the esophagus. A. A. Rusanov, Khirurgiya 42 no 11:23-27 N '66.

Some problems of preoperative care of patients with cancer of the cardia and esophagus. I. U. E. Bezecov, P. M. Isakhanov, M. D. Lapin, Eksp. khir. i anest 8 no 6: 80-82 N-D '63.

#### ESOPHAGUS—FOREIGN BODIES

"Air mirror" symptom in the diagnosis of injuries of the mucous membrane of the cervical segment of the esophagus. I. A. Pastovskii, B. N. Nevskii, Sov med 26 no 5:69-71 Mi '63

#### ESOPHAGUS—NECROSIS

Causes and prevention of necrosis of the transplant in plastic surgery on the esophagus. V. I. Popov and others, Khirurgiya 42 no 11 30-35 N '66

#### ESOPHAGUS—RADIOGRAPHY

"Air mirror" symptom in the diagnosis of injuries of the mucous membrane of the cervical segment of the esophagus. I. A. Pastovskii, B. N. Nevskii, Sov med 26 no 5 69-71 Mi '63

#### ESOPHAGUS—SURGERY

Causes and prevention of necrosis of the transplant in plastic surgery on the esophagus. V. I. Popov and others, Khirurgiya 42 no 11 30-35 N '66

Changes in some functions of the organism following antihemorrhagic esophagoplasty with the small intestine. E. A. Pechenikova, L. G. Selezneva, Khirurgiya 39 no 2,119-121 F '63

Experimental basis and clinical use of a new method for performing esophagoenteric anastomosis. K. N. Tsatsanidi, Eksp. khir. i anest 8 no 4,19-23 N-D '63

Experimental study of gastroesophageal reflux and methods of its surgical elimination. N. N. Kausim, Sov med 26 no 12 92-95 D '66

Free transplantation of the small intestine with subsequent vascular anastomosis for esophagoplasty. V. I. Popov, V. I. Filin, Eksp. khir. i anest 8 no 4 23-25 N-D '61

Our experience in surgical treatment of cancer of the esophagus. A. A. Rusanov, Khirurgiya 42 no 11 21-27 N '66

Peptic ulcers of the large intestine in esophagoplasty. B. A. Petrov, P. P. Sytnik, Khirurgiya 39 no 2,107-112 F '63

Segmental intestinal plastic surgery of the cervical section of the esophagus. V. I. Popov, V. I. Filin, Khirurgiya 39 no 2,113-118 F '63.

#### ESOPHAGUS—TUMORS

Neurogenic tumors of the esophagus. A. A. Oshchepetkin, D. Sh. Buzdashvili, Khirurgiya 42 no 11 27-30 N '66

Rare case of esophageal fibroma. A. P. Dotsenko, Khirurgiya 42 no 11 130-132 N '66.

X-ray diagnosis of benign esophageal tumors. V. I. Kolesnikov, G. V. Panchushin, G. I. Kudina, Trudy Novokuz GIMUVA 32,76-79 '65

#### ESPIONAGE

A double trap (to be continued). V. M. Zavalishina, M. O. Smeshinov, Ukr. iz. zhur, 10 no 11:120-135 N '66.

#### ESPIONAGE, GREEK

Aksei'rod, G. S. [Payment for fear] Plata za strakh. Moskva, Voenizdat, 1955. 93 p.

ESPIONAGE, RUSSIAN see subdivision under France; Japan

#### ESSENCES AND ESSENTIAL OILS

New varieties of essential oil-bearing plants and the economic efficiency of their growing. Z. G. Makhenko, V. N. Shalimov, Mael. i zhur prom 28 no 6 23-27 Je '62

Our experience in the receiving of and payment for essential oil-bearing raw materials by the essential oil content. A. M. Smolnikov, I. N. Kozlov, V. N. Shalimov, Mael. i zhur prom. 28 no 6 27-29 Je '62

Ships and essential oils as components of liquid drugs. A. I. Tentsova, Apt. delo 12 no 1:21-26 Ja-F '63

Study of essential oil during the production and storage of black tea. V. T. Gogila, Biokhimiya 28 no 2:300-311 Mr-Apr '63

Studying sesquiterpene compounds of essential oils from the fruits of the wild carrot Daucus carota L. growing in the Northern Caucasus. G. V. Pignevskii, V. I. Kovaleva, Rast res 2 no 4:527-531 '66

Ways for decreasing the loss of essential oil in harvesting and processing the "Prilukskaya-6" mint. F. S. Tamasenko, N. N. Kasimovskaya, Rast res. 2 no 4: 524-527 '66.

#### ESTERIFICATION

Characteristics of polycarbonates obtained with the method of esterification. I. P. Losev, O. V. Smirnova, E. V. Smurova, Plast massy no 9,10-13 '62

Sulphoesterification of high aliphatic secondary alcohols. I. I. Topalskaya, A. S. Nekrasov, A. N. Bashkurov, Neftekhimiya 3 no 5:758-763 S-O '63

Vapor-phase esterification of acetic acid with ethanol. A. M. Chashchukin, Glukoliz i losokhim prom. 15 no 4,1-7 '62

#### ESTERS

Decomposition of pyrimidyl-4-malonate esters. I. U. P. Shvachkin and others, Vest. Mosk un. Ser. 2: Khim. 17 no 5:75-78 S-O '62.

Determination of ester number of sterically hindered dialkylmalonate esters and  $\alpha$ -alkyl-substituted malonate cyclic ketones. S. G. Polinkova, A. B. Skvortsova, Trudy VNISNDV no 7 186-190 '65

Infrared spectra of esters of phthalic and 1-nitrophthalic acids with ethylene glycol and the determination of molecular mass of polyesters. I. I. Shabalin, I. A. Kiva, Zhur. fiz. khim. 10 no 11 2771-2778 N '66.

Preparation and study of some sulfur-containing copolymers of oligoacetic acrylates. A. I. Beilin and others, Vysokom sove 8 no 10:1733-1736 O '66

Semianalytical methods for determination of esters and carbonyl compounds. D. N. Novikova, I. V. Levina, Trudy VNISNDV no 7 192-191 '65

Synthetic additives of the dithiophosphoric acid ester type. P. I. Sabinin, E. S. Shchelova, V. V. Shch. Neftekhimiya 3 no 5:781-791 S-O '63

#### ESTONIA—AGRICULTURE

Our strength is in collective leadership; experience of collective and state farm party organizations. Kollektivses polititses peitub joud, sovhooside ja kolhooside parteorganisatsioonide tootkogemusl. Tallinn, Eesti Raamat, 1966. 68 p. [In Estonian]

#### ESTONIA—CITY PLANNING

Estonian S. S. R. Riiklik Ehituse- ja Arhitektuurikomitee. [Problems of the economics of city planning in the Estonian S. S. R.] Vop. osy ekonomiki gradostroitel'stva v Estonskoi SSR, stornik statei Tallinn, Valgus, 1966 56 p.

#### ESTONIA—COLLECTIVE FARMS—ACCOUNTING

Compute the expenditure of labor in man hours. K. Makhrov, Ekon. sel'shoz 42 no 12,39-101 D '66

#### ESTONIA—COMMUNIST EDUCATION

Vuskula, Hans. [Propagandists and the palaces of political education] Propagandist ja poliitika kodusmaj. Tallinn, Eesti Raamat, 1966. 127 p. [In Estonian]

#### ESTONIA—COMMUNIST PARTY

Leede, Valdur, and August Pausla. [Communist Party of Estonia during the Great Patriotic War of the Soviet Union, 1941-1945; chapter 15 of "Essays on the history of the Estonian Communist Party"] Kommunisti eschikskaja partia Estonil v period Velikoi Oleehestvennoi voyny Sovetskogo Sojuz (1941-1945 gg.), XV glava "Ocherkov istorii Kommunisticheskoj partii Estonii." Tallinn, Eesti Raamat, 1966. 124 p.

#### ESTONIA—COMMUNIST PARTY OF THE SOVIET UNION

Pankseev, A. K. [At the turning point; the work of the Estonian Communist Party in 1944-1945]. V porolomnoe vremia, o deiatel'nosti Kompartii Estonii v 1944-1945 godakh. Tallinn, Eesti Raamat, 1966. 76 p.

#### ESTONIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Our strength is in collective leadership; experience of collective and state farm party organizations. Kollektivses polititses peitub joud, sovhooside ja kolhooside parteorganisatsioonide tootkogemusl. Tallinn, Eesti Raamat, 1966. 68 p. [In Estonian]

#### ESTONIA—CRIMINAL PROCEDURE

Estonian S. S. R. Laws, statutes, etc. [Criminal procedure code of the Estonian S. S. R. Supplemented with a commentary.] Eesti NSV kriminaalprotsessi kodeks. Kommentaarid valjaanne. Tallinn, Eesti Raamat, 1965. 503 p. [In Estonian]

#### ESTONIA—DAIRY CATTLE

Molder, Adolf. [Raising Estonian Red cattle] Eesti punase veisealuse aretus. Tallinn, Valgus, 1966. 249 p. [In Estonian] (DNAL)

#### ESTONIA—FINANCE

Voit, Vello. [Setting up norrus of working capital in industrial enterprises] Toostuseliivotote kaiberhenditse normaerimine. Tallinn, Eesti Raamat, 1966. 93 p. [In Estonian]

#### ESTONIA—HISTORY

Eesti NSV Teaduslik Akadeemia. [Formal meeting of the Academy of Sciences of the Estonian S. S. R. dedicated to the 25th anniversary of the Estonian S. S. R., June 16, 1955] Toorhestvennoe sobranie Akademii nauk Estonskoi SSR, posvyashchennoe 25-letliu Estonskoi Sovetskoi Sotsialisticheskoi Respubliki 16 iunija 1955 goda. Tallinn, Eesti Raamat, 1966. 84 p.

#### ESTONIA—HISTORY—STUDY AND TEACHING

Kalke, Juhan, Hiljar Palamets, and Sulev Vahro. [History of the Estonian S. S. R.; additional material for the 7th-9th grades taking courses in the history of the Estonian S. S. R.] Eesti NSV ajaloo; lisa materjal VII-VIII klassi NSV Lihdu ajaloo kursuse jaurde. Tallinn, Valgus, 1967. 110 p. [In Estonian]



## ESTONIA—INDUSTRIES

**Eesti NSV Teaduste Akadeemia.** [Formal meeting of the Academy of Sciences of the Estonian S.S.R. dedicated to the 25th anniversary of the Estonian S.S.R., June 16 1965.] Torzheshchennoe sobranie Akademi nauk Eston-skoi SSR, posviashchennoe 25-letiu Estoniskoi Sovetskoi Sotsialisticheskoi Respubliki 16 Iyunia 1965 goda. Tallinn, Eesti Raamat, 1966 84 p

## ESTONIA—INTERNATIONALISM

Work of the Estonian Communist Party in the international arena. [A P. Vahur. Vop ist KPSS II no 1-16 Ja '67]

## ESTONIA—JUVENILE DELINQUENCY

[Juvenile delinquency and its prevention.] Alacaliste kurilegusust ja selle araholdmisest Tallinn, Eesti Raamat, 1966 251 p [In Estonian]

## ESTONIA—LABOR LAWS AND LEGISLATION

**Estonian S.S.R. Laws, statutes, etc.** [Labor laws, a collection of present-day normative acts.] Tooseadusandlus, kehtivate normatiivaktide kogumik. Tallinn, Eesti Raamat, 1964 179 p. [In Estonian]

**Estonian S.S.R. Laws, statutes, etc.** [Labor laws; a collection of present-day normative acts.] Tooseadusandlus, kehtivate normatiivaktide kogumik 2, (alendatud valijanna Tallinn, Eesti Raamat, 1966 562 p. [In Estonian]

## ESTONIA—MOTION PICTURES

**Kõnetrahtus, L. and V. Tobio.** [Cinema art of Soviet Estonia.] Kino-Iskusstvo Sovetskoi Estonii. Moskva, Sojuz kinematografisto. SSR. Biuro propagandy soy, kino iskusstva, 1966. 43 p. illus.

## ESTONIA—OIL SHALE INDUSTRY

[50th anniversary of the shale-mining industry of the Estonian S.S.R.] 50 let slantsedobyvalushchiel promyshlennosti Estonskoi SSR, Tallinn, Valgus, 1966 405 p

## ESTONIA—PLANT QUARANTINE

**Estonian inspection L. Trofimova.** Zashch rast. II no. 11 49-50 '66.

## ESTONIA—PLANES, PROTECTION OF

**In Estonia E. Kreineanu.** Zashch rast. II no. 11 7-10 '66.

## ESTONIA—PLUM—DISEASES AND PESTS

**The plum sawfly Hopllocampa flava L.** IA Nutt. Zashch. rast. II no. 11 39-40 '66.

## ESTONIA—POLITICS AND GOVERNMENT

**Estonian S.S.R. Ulemnougogu.** [Meetings of the Sixth Supreme Soviet of the Estonian S.S.R., ninth session, September 14-15, 1966. Verbatim report.] Eesti NSV Ulemnougogu kuutenda koosoleku uheksas istungiajak 14-15 septembril 1966. Stenogramm Tallinn, Eesti Raamat, 1966 139 p. [In Estonian]

## ESTONIA—SCIENTIFIC LIBRARIES

Cataloging of foreign periodicals in the Central Library of the Academy of Sciences of the Estonian S.S.R. L. A. Liblik. Opyt rab bibliot s inostr lit no 4 24-28 '61

## ESTONIA—SWINE BREEDING

**[Handbook for swine breeders.] Seakasvatja (eatmik).** Tallinn, Valgus, 1966 204 p. [In Estonian] (DNAL)

## ESTONIA—STOCK AND STOCKBREEDING

**Puug, Aarne.** [Livestock raising.] Põllumajanduslooma aretus. Tallinn, Valgus, 1966 442 p. [In Estonian] (DNAL)

## ESTONIA—STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

**Kolde, Oskar, comp.** [Machines for the mechanization of livestock farms; a handbook.] Looma (armide seadmed; kastramat. Tallinn, Valgus, 1966 213 p. (DNAL)

## ESTONIA—THEATER

**Paj, Vanda.** [I would rather lose sleep.] Enne ma une unustan. Tallinn, Eesti Raamat, 1966 63 p. illus. [In Estonian]

## ESTONIA—VIEWS

**Eestimaa Kommunistlik partei, Keskkomitee Propaganda- ja Agitatsiooniosakond.** [Soviet Estonia in 1959-1965.] Nõukogude Eesti aastail 1959-1965 Tallinn, Eesti Riiklik Kirjastus 1959 40 1. (chiefly illus.)

## ESTONIA—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

**Meisak, Karl.** [War veterans are telling their stories.] Sojaveeterand pajavad Tallinn, Eesti Raamat, 1966 73 p. [In Estonian]

## ESTONIAN EPIC POETRY see Epic poetry, Estonian

## ESTONIAN LITERATURE—HISTORY AND CRITICISM

**Kaari, K., and H. Peep.** [On the literature of Soviet Estonia.] Translated from the Estonian O literature Sovetskoi Estonii. Tallinn, Eesti Raamat, 1965 47 p. (MH)

## ESTRIOL

**Biosynthesis of estriol.** K. S. Shaukhova, N. L. Kuznetsov. Vop med. khim 12 no 6 563-568 N-D '68.

## ETCHING

**Using plastics for mat-making for etchings.** V. K. Gindlin, A. I. Petruk. Poligr. proizv. no. 9 23-24 S '63

## ETHANES

**Polycondensation of p-phenylenediamine with tetrabromochlorane.** I. M. Pauskhin, V. A. Aleksandrov. Vysokom. soed 8 no 10 1669-1672 O '68

**Two-photon sensitization of C-I bond breaking in ethyl iodide in the presence of aromatic compounds.** V. V. Ryl'kov, V. E. Khomogorov. Zhur. fiz. khim. 40 no. 11 2900-2902 N '66.

## ETHANES—PHYSIOLOGICAL EFFECT

**Cardiac arrhythmia in fluothane anesthesia in children.** B. N. Serenkov, I. U. L. Stepan'kov. Eksp. Fiziol. i anest. 6 no 6 65-73 N-D '63

## ETHANOL

**Experimental study of the putrefaction of sewage resulting from the production of 1-(n-nitrophenyl)-2-acetylaminoethanol.** T. L. Shvartsova, P. S. Kizman. Vod., van. gld. i soor. no 1 47-57 '66

**Hypersensitizing of extra-fine grained nuclear emulsions with 1-tetanolamine.** N. R. Novikova, V. I. Zakharov. Zhur. nauch. i prikl. fiz. 7 no. 2 86-89 Mr-Ap '62

## ETHANETHIOL

**Radioactive effect of cysteamine following ionizing irradiation of leach sperm.** E. A. Gusevskii, Z. N. Faleeva, N. K. Pirova. Radiobiologiya 6 no 6 886-890 '66

## ETHAPERAZINE

**Use of ethaperazine in the treatment of schizophrenia.** V. E. Galenko, O. N. Kuznetsov. Zhur. nev. i psikh. 63 no 1 80-86 '63.

## ETHER (ANESTHETIC)—PHYSIOLOGICAL EFFECT

**Resistance of white mice to inhalation anesthetics in different periods of postnatal development.** V. M. Rozhkov. Trudy LPMI no 32 136-139 '65

## ETHICS

**Kulikov, N. N.** [Content and criterion of moral progress; a study in the field of philosophy and ethics.] Soderzhanie i kriterii nraystvennogo progressa, opyta filosofskoehticheskogo issledovaniia problemy. Moskva, Mysl', 1966. 65 p.

**ETHNOLOGY see subcategory under Asia, Southeastern; Ukraine; Volga Valley**

**ETHNOLOGY—BIBLIOGRAPHY see Bibliography—Ethnology**

## ETHYL ALCOHOL

**Distribution of some impurities of ethyl alcohol in the columns of beer stills.** K. A. Kalanitsa. Spil. prom. 26 no 4 7-10 '62.

## ETHYLAMINE

**Effect of cystamine on changes in white blood of dogs following sublethal X-ray irradiation.** O. K. Mikhaleva, A. S. Mozhukhina, V. I. Beresht. Radiobiologiya 6 no 6 883-885 '66.

## ETHYLAMINE—THERAPEUTIC USE

**Preventive action of cystamine and some of its derivatives in experimental toxic pulmonary edema in laboratory animals.** I. U. E. Sirel'nikov. Pat. izot. i eksp. isap. no. 364-66 '64.

## ETHYLENE

**Economic problems involved in the production of ethylene and propylene.** V. P. Davydov. Trudy IGI 18:181-194 '62.

**Kinetics and mechanism of conversion of simplest hydrocarbons in glow discharge at low pressure.** Part 2. E. N. Borisova, E. N. Eremin. Zhur. fiz. khim. 40 no. 11 2713-2718 N '66.

**Kinetics of the polymerization of ethylene on oxide chromium and oxide molybdenum catalysts in the gas phase.** M. A. Landau, V. V. Shekhtin. Neftekhimika 3 no 5 713-718 S-O '63

**Production of ethylene and propylene from casing-head gases.** A. L. Rabkina, V. I. Kuz'min. Trudy IGI 18:195-200 '62.

**Simultaneous polymerization of ethylene with vinyl acetate.** R. A. Terterin, A. I. Dintsev, M. V. Ryankov. Neftekhimika 3 no 5 719-724 S-O '63.

## ETHYLENE—SPECTRA

**Vibrational spectra and potential energy constants of haloethylenes. Monochloroethylene, 1,1-dichloroethylene, and their deuterium-substituted derivatives.** V. S. Kukina, L. M. Sverdlov. Zhur. fiz. khim. 40 no. 11 2837-2840 N '66.

## ETHYLENE GLYCOL

**Determination of purity of monoethylene glycol and triethylene glycol by gas chromatography.** E. M. Pereplatnikov, A. A. Lazarev. Zhur. anal. khim. 21 no. 10 1280-1281 '66.

**Infrared spectra of esters of phthalic and 1-allylphthalic acids with ethylene glycol and the determination of molecular mass of polyesters.** I. I. Shubudin, I. F. Kiselev. Zhur. fiz. khim. 40 no. 11 2774-2778 N '66

## ETHYLENE OXIDE

**Acid catalysis and autocatalysis in the reaction of ethylene oxide with aniline.** M. M. Smirnova, N. N. Lebedev. Trudy MKIPI no. 12 64-68 '63

**Analyzing the reaction of ethylene oxide with nitrated acids.** K. A. Gus'kov, N. N. Lebedev. Trudy MKIPI no 42 57-64 '63

**Capacity of reaction of phenols in their reaction with ethylene oxide.** V. I. Shveta, N. N. Lebedev. Trudy MKIPI no. 42 79-83 '63.

**Condensation of naphthalenic acids and naphthalenic alcohols with ethylene oxide.** N. M. Romanov, A. N. Pikharev. Izv. AN Turk. SSR, Ser. fiz.-tekhn. khim. i prikl. nauk no 5 34-39 '62

**Effect of the nature of the base in the catalytic reaction of ethylene oxide with acetic acid and glycol monomethylate.** K. A. Gus'kov, N. N. Lebedev. Trudy MKIPI no 42 65-71 '63.

**Kinetics and mechanism of the reaction of ethylene oxide with amines and phenols.** V. I. Shveta, N. N. Lebedev. Trudy MKIPI no. 42 72-78 '63.

**Studying the mechanism of the reaction of ethylene oxide with amines and the reactive capacity of amines in the acid catalysis of the process in nonaqueous solutions.** M. M. Smirnova, N. N. Lebedev. Trudy MKIPI no 44 39-43 '63

## ETHYLENE POLYMERS

**Copolymerization of ethylene with vinylene carbonyls.** R. A. Terterin and others. Vysokom. soed. II no 10 1721-1726 O '66

**Low-temperature copolymerization.** N. D. Zayachkin, P. P. Markovskii. Vopr. AN Kazakh. SSR 22 no 12 1-11 D '66

**Reaction of  $\alpha$ -olefins with Ziegler-type soluble catalysts and the initiation mechanism of ethylene polymerization.** A. E. Shilov, A. K. Shilova, B. N. Bobkov. Vysokom. soed. 3 no 11 1611-1615 N '64.

## ETHYLENEDIAMINE

**Inter-aphere reactions of ethylenediamine in the presence of (-)-[P(Ph)<sub>3</sub>]Cl.** I. I. Cherniaev, N. Sh. Gladkova, O. N. Adrianova. Zhur. neorg. khim. 11 no. 11 2120-2127 N '66.

**Products of interaction of salts of ethylenediamine with ammonium and ethylenediamine.** A. V. Ablov, O. A. Bologa, N. M. Smirnov. Zhur. neorg. khim. 11 no 12 2632-2637 N '66.

## ETHYLENEMINE

**Variability of hyperplasia induced by ionizing radiation effect of ethylenimine and ultraviolet rays.** A. A. Imshenetskii, L. A. Kuz'mina. Mikrobiologiya 37 no. 5 812-816 S-O '66.

## ETHYLENEMINE—THERAPEUTIC USE

**Combined use of preparations of the ethylenimine group in cancer of the ovaries.** N. V. Chesuk. Klin. onkol. no. 1 111-116 '65.

## ETHYLENEMINE—TOXICOLOGY

**Evaluation of toxicity of ethylenimine in acute and subacute action.** G. N. Zueva and others. Toksik. prom. khim. veshch. no. 6 41-60 '66.

## ETQUETTE

**Gorbovskii, A. A.** [Man to man] Chelovek cheloveku [Moskva, Molodai gvardia, 1965] 143 p. (NIC)

## ETIQUETTE FOR CHILDREN AND YOUTH

**At home and on a visit.** A. Dorokhov. Soedin. i shkola 21 no. 12 60-62 D '66.

## EUCHLAENA see Teunho

## EUCOMMA

**Eucomma as a decorative species.** V. F. Denchik. Biol. Glav. bot. sadu no. 63 18-19 '66.

## EUDIOMETER

**Piping manifold of SG(1-2V2) combustible gases warning unit in gas drilling.** G. S. Gazarian, A. A. Kiselev, K. M. Khachaturova. Mash. i noli. obor. no. 9 10-11 '65

## EUDIOMETER—TESTING

**Calibration and check of eudiometers for the detection of benzene vapors in air.** D. K. Kollarov. Izv. tekhn. no. 5 49-51 Ja '62.

## EUGENOL

**Separation of p-eugenol from a mixture of isomers obtained by C-allylation of guaiacol.** N. N. Zelenetskii and others. Trudy VNIISNDV no. 7 110-116 '63.

## EULER, LEONARD, 1707-1783

**Contribution of Euler's biography.** I. A. Dopman. Vopr. zap. Fed. Inst. Gortse 260:121-123 '65

## EUROPE—HISTORIOGRAPHY

**Afokovskii gosudarstvennyi universitet, Kafedra novoi i noveishai istorii.** [Historiography of the modern history of the countries of Europe and America.] Informatsiia novogo vremeni stran Evropy i Ameriki. [Moskva] Izd-vo Mosk. univ., 1967. 669 p.

## EUROPE—HISTORY

Memoirs of a diplomat. K. Maldank. Nov, mir 39 no. 3:273-276 M1 '63

**Zak, L.A.** [Monarchs against the peoples, diplomatic struggle on the ruins of Napoleon's Empire] Monarkhi protiv narodov, diplomaticheskaya bor'ba na razvalinakh napoleonskogo imperii. Moskva, Mezhdunarodnoshenitsa, 1966. 375 p.

## EUROPE—POLITICS

Our comments. Nov, viem. 25 no.4:1-2 Ja '67.

## EUROPE, EASTERN—BIBLIOGRAPHY

[New literature on the general problems of the European socialist countries] Nov lit po obshch. probl. evropejskix stran nos.11 12 '66

## EUROPE, EASTERN—COMMERCE—RUSSIA

Improving the structure of foreign trade. N. Zotova. Plan, khoz. 43 no.1:66-70 Ja '67

## EUROPE, EASTERN—CONSTRUCTION INDUSTRY

Construction news abroad. Ekon. stol. 8 no.12:66-67 D '66.

## EUROPE, EASTERN—COTTON MANUFACTURE

Production capacities of the cotton industry and their use in the member countries of the Mutual Economic Assistance Council. V.I. Naumova. Izv. vyz. ucheb. zav., tekhn. tekst. prom. no. 5:9-12 '66

## EUROPE, EASTERN—DEMOGRAPHY—CONGRESSES

Demography is an active factor in the socialist reorganization of society. V.I. Agodina. Vop. ekon. no.12:147-150 D '66.

## EUROPE, EASTERN—ECONOMIC CONDITIONS

**Pomazanov, S.I.** [Comprehensive development of the national economy in socialist countries] Kompleksnoe razvitiye narodnogo khoz. i zhizni v stranakh sotsializma. Moskva, Mysl', 1966. 230 p.

## EUROPE, EASTERN—ECONOMIC POLICY

**Mezhdunarodnyy nauchnyy seminar po voprosam optimizatsii planirovaniya i razvitiya narodnogo khoz. i zhizni. 1966.** [Problems of optimal planning; materials] Problemy optimal'nogo planirovaniya: materialy. Pod red. A.N. Efimova. Moskva, Ekonomika, 1966. 292 p.

## EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS

**Pomazanov, S.I.** [Comprehensive development of the national economy in socialist countries] Kompleksnoe razvitiye narodnogo khoz. i zhizni v stranakh sotsializma. Moskva, Mysl', 1966. 230 p.

## EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS—RUSSIA

Helping one another in a fraternal way. N. Babina. Agitator 31 no.1:10-13 Ja '67.

## EUROPE, EASTERN—INCENTIVES IN INDUSTRY

Economic levers of economic development in the Comecon countries. S. Rumin. Fin. SSSR 40 no.11:81-85 N '66.

## EUROPE, EASTERN—LAND TENURE

[Yearbook on the agrarian history of Eastern Europe for 1964] Ezhegodnik po agrarnoy istorii Vostochnoy Evropy, 1964 god. Kishinev, Karla Moldovenskoe, 1965. 786 p.

## EUROPE, EASTERN—PRICES

Technological progress and prices. N. Mitrofanova. Plan, khoz. 43 no.1:70-73 Ja '67.

## EUROPE, EASTERN—STATISTICS

Joint statistical studies in the countries participating in the Comecon. A. Leshchev. Vest. stat. no.12:71-75 '66.

## EUROPE, EASTERN—TECHNOLOGY

Technological progress and prices. N. Mitrofanova. Plan, khoz. 43 no.1:70-73 Ja '67.

## EUROPE, WESTERN—MUSIC—PHILOSOPHY AND AESTHETICS

**Shestakov, V.P., comp.** [Musical aesthetics of the West European Middle Ages and the Renaissance] Muzykal'naya estetika zapadnoevropeyskogo srednevekov'ya i Vozrozhdeniya. Moskva, Muzyka, 1966. 671 p. (Pamiatniki muzykal'no-esteticheskoy mysli)

## EUROPEAN WAR, 1914-1918

(see also subdivision under Germany)

The role of the Russian Army in the military entente, 1915-1918. A. O. Arutunian. Vest. obshchestv. nauk AN Arm. SSR no.5:52-63 My '66.

## EURYTOMIDAE see subdivision under Adzharia

## EUTECTICS

Formation of pseudoprimaries in eutectic alloys. V. V. Nikonova. Rost. krist. 5:114-117 '65.

## EVANGELICALISM

Crisis of Evangelical ethics. V. M. Boriskin. Vop. nauch. stoiz. no.1:98-118 '66.

## EVAPORATING APPLIANCES

Effect of steam take off and exhaust of noncondensing gases on the productive capacity of a multistage evaporating system. E. I. Zaitman, M. I. Mal'tsev, N. M. Frankh. Izv. vyz. ucheb. zav., energ. 9 no.11:114-122 N '66.

Extreme regulation in the automation of evaporating apparatus and plants. R. I. A. idiev. Khim. prom. (Ukr.) no.3:45-48 Ji-S '62.

## EVAPORATION

Determination of the coefficient characterizing the rate of evaporation of an element and its diffusion in an arc discharge plasma. G. V. Ovechkin. Sb. Dokl. Akad. Nauk SSSR 10 no.9:617-651 S '66.

Evaporation rate of thallium selenide (Tl<sub>2</sub>Se), L. Kh. Genov, A. N. Nesmeianov, I. A. Pitselkov. Vest. Mosk. un. Ser. 2: Khim. 17 no.5:34-35 S-O '62.

Study of evaporation of microcomponents from salt mixtures in alternating current arc by means of radioactive isotopes. B. O. Filonov, M. M. Pavluchenko. Dokl. AN BSSR 10 no.12:957-960 D '66.

Use of radioactive tracer method in studying evaporation of barium oxide from various backings. V. P. Vasil'ev, I. M. Lutsenko. Izv. AN SSSR, Ser. fiz. 30 no.12:1930-1934 D '66.

## EVAPORATION CONTROL

Using reflecting disks as efficient means in controlling evaporation losses of petroleum products. S. P. Rusakov, N. M. Farkhiev, I. S. Bionsheln. Transp. i khim. nefti. Inefteprod. no.10:31-32 '66.

## EVENING AND CONTINUATION SCHOOLS

Individual assignment in physics. G. I. Keitman. Vech. sred. shkola 9 no.6:34-35 N-D '66.

Methodological recommendations for the mathematics teachers of the 5th-8th grades. I. M. Bogdanov, G. D. Glezer, S. M. Shakhin. Vech. sred. shkola 9 no.6:51-56 N-D '66.

Psychological premises of accelerated training in evening schools. A. I. Lipkina. Sov. pedagog. 30 no.6:76-82 Je '66.

Recommended planning of educational material in history classes of the 5th-8th and 8th-11th grades in the second half of the 1966/67 school year. V. S. Gribov, M. L. Faltseva. Vech. sred. shkola 9 no.6:43-50 N-D '66.

Results of a discussion of the relationship between school and life. Vech. sred. shkola 9 no.6:88-91 N-D '66.

## EVENKI LANGUAGE—SYNTAX

**Kolesnikova, V.D.** [Syntax of the Evenki language] Sintaksis evenkiskogo yazyka. Moskva, Nauka, 1966. 246 p.

## EVIDENCE, CRIMINAL

Tape recording as a form of evidence. O. Biletskiy and others. Rad. pravo 20 no.12:78-79 D '66.

## EVIDENCE, EXPERT

How defense counsel evaluate the findings of expert witnesses in the pretrial investigation and courtroom examination of criminal cases. S. I. Astubetskiy. Rad. pravo 20 no.12:56-58 D '66.

## EVOLUTION

**Paramonov, A.A.** [Modern problems of the theory of evolution] Sovremennyye problemy evolyutsionnoy teorii. Moskva, Znaniye, 1967. 31 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya, no.1)

Problem of evolution and the chemical form of motion. R. S. Karpinskaya, V. P. Vizgin. Vest. Mosk. un. Ser. 6: Filoz. 21 no.3:35-45 My-Je '66.

Role of need in the evolutionary process. N. A. Maslova. Vest. Mosk. un. Ser. 6: Filoz. 21 no.3:46-53 My-Je '66.

## EXCAVATING MACHINERY

(see also subdivision under Tashkent; Ural Mountain region)

Efficient flow sheets for waste stacking and parameters of mining systems during the operation of hauling and stacking machine complex. M. G. Novozhilov and others. Izv. vyz. ucheb. zav., gor. zhur. 8 no.5:29-38 '63.

**Narel, G.B.** [Intensifying the performance of wheel-type (jib) excavators] Intensifikatsiya raboty rotornykh stroel'nykh ekskavatorov. Moskva, NIInformatsiisirod-kommunizm, 1965. 60 p. (Seriya 1: Stroitel'nye i dorozhnye mashiny)

Studying the walking mechanism of ESh-25/100 excavators. I. M. Gomozev. Stroitel. i dor. mash. 8 no.6:6-7 Je '63.

## EXCAVATING MACHINERY—DESIGN AND CONSTRUCTION

Manufacture of excavating machinery and economic aspects of strip mining. I. U. A. Cherengov, V. A. Baronanov. Gor. zhur. no.12:7-11 D '66.

## EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

Increase reliability and service life of medium-capacity open-pit excavators. P. N. Kostenko. Ugol' 41 no.12:35-38 D '66.

## EXCAVATING MACHINERY—PARTS

**Borisov, S.M.** [Clutches and brakes of single-bucket excavators] Multifunktsionnyye odnokovshovyye ekskavatory. Moskva, NIInformatsiisirod-kommunizm, 1965. 58 p. (Seriya 1: Stroitel'nye i dorozhnye mashiny)

**Retail, A.K.** [Increasing the durability of parts of the running units of excavators, a survey] Uvelicheniye snoslivosty chastei khodovykh ustroystv ekskavatorov, obzori. Moskva, NIInformatsiisirod-kommunizm, 1965. 73 p. (Seriya 1: Stroitel'nye i dorozhnye mashiny)

Wear-resistant surfacing of parts of excavator bucket chains. E. I. Lemachuk, A. T. Grabchak. Avtom. svaz. 10 no.12:62-61 N (i.e.D) '66.

## EXCAVATIONS (ARCHAEOLOGY) see subdivision under Bulgaria; Shakhristan region (Tajikistan)

## EXCITATION (PHYSIOLOGY)

Age-related mobility of human basic nervous processes. A. E. Khil'chenko, L. N. Kuznetsov, N. P. Kuznetsov. Vop. psikhologii, 12 no.6:123-128 N-D '66.

Effect of the cerebral cortex on the rostral segment of the reticular formation of the brain stem. A. M. Marits. Fiziol. zhur. 48 no.10:1146-1153 O '62.

Experimental vascular spasm in hind limbs caused by a chronic irritation of the lumbar sympathetic ganglia. M. P. Viliamskiy, I. U. M. Gal'perin. Eksp. i klin. i anest. 8 no.6:55-56 N-D '63.

## EXCITON THEORY

Absorption and dispersion of light in the formation of molecular excitons. A. S. Davydov, E. N. Miranskoy. Dokl. AN SSSR 171 no.5:1099-1071 D '66.

Exciton-type excitation in gases. A. P. Kazantsev. Fiz. i red. zhur. eksp. i teoret. fiz. 5 no.1:13-16 Ja '67.

Theory of stimulated Raman scattering of light on excitons. I. U. A. Tsvirko. Ukr. fiz. zhur. 11 no.11:1248-1250 N '66.

## EXERCISE THERAPY

Exercise therapy in diaphysal fractures of the forearm following treatment with intravenous metal retraction. L. N. Naumova. Trudy Inst. im. N. V. Sklif. 7:360-367 '63.

## EXHAUST SYSTEMS

Optimum form of the diffuser of a turbine exhaust pipe. D. I. Morozov. Izv. vyz. ucheb. zav., energ. 9 no.11:107-110 N '66.

## EXISTENCE THEOREMS

Existence theorems for nonlinear boundary value problems. G. N. Zhovhakov. I. U. V. Komlenko, E. L. Tonkov. Dokl. AN BSSR 10 no.9:626-628 S '66.

## EXISTENTIALISM

Existentialism. Article 1. E. U. Solov'ev. Vop. filoz. 20 no.12:76-83 '66.

## EXOSTOSES

Solitary osteochondral exostoses. A. G. Sadykhov. Azerb. med. zhur. 40 no.3:3-11 Mr '63.

## EXPERT EVIDENCE see Evidence, Expert

## EXPLOSIONS

Directed propulsion of bodies by the explosion products. G. M. Liakhov. PMTF no.3:44-52 My-Je '62.

Effect of explosion on matter. Topography of impact compression of alkali metal nitrates. S. S. Batsanov and others. Fiz. gor. i vzryva no.3:110-118 '66.

Experimental study of a directed explosion in the soil. V. M. Kuznetsov, L. N. Shei. PMTF no.3:53-58 My-Je '62.

Exploding charges for priming low-sensitivity explosives. I. U. S. Meis, T. I. Kolesnichenko. Gor. zhur. no.11:47-48 N '66.

Explosion on the surface of a plate. V. M. Kuznetsov. PMTF no.3:10-13 My-Je '62.

Ignition of condensed explosives with conductive heat transfer from media with poor thermal conductivity. V. M. Vilyunov, A. K. Kolesha. Fiz. gor. i vzryva no.3:101-109 '66.

Theory of thermal propagation of chemical reaction front. B. I. Khatrin, A. G. Merzhanov. Fiz. gor. i vzryva no.3:36-46 '66.

## EXPLOSIVE FORMING

Explosion hardening of high-manganese steel. A. A. Deribas, F. I. Matveenko, T. M. Sobolenko. Fiz. gor. i vzryva no.3:87-94 '66.

## EXPLOSIVES

Breakdown of layer-by-layer burning of gas-permeable porous systems. A. F. Belkaev, A. I. Korotkov, A. A. Sulimov. Fiz. gor. i vzryva no.3:47-58 '66.

Concentration region of explosibility of hydrogen-oxygen mixtures at pressures above atmospheric. S. A. Antovskiy, M. V. Cherniak. Zhur. fiz. khim. 40 no.11:2899-2904 N '66.

Detonation damping in liquid explosive mixtures of tetranitromethane with ethyl iodide. V. S. Solov'ov, V. A. Letagin. Fiz. gor. i vzryva no.3:31-35 '66.

Detonation of condensed explosives by laser radiation. A. A. Brisk and others. Fiz. gor. i vzryva no.3:132-133 '66.

## EXPLOSIVES (Continued)

Explosive properties of organic peroxides. V. I. Antonovskii and others. Khim. prom. 42 no. 12 897-900 D '66.

Methodology of determining the relative power of various explosives in model studies of explosions. G. A. Buzikov and others. Vest. Ak. Khab. SSR 22 no. 12 45-48 D '66.

Stability criterion of burning of porous charge with spontaneous penetration of combustion products into its pores. A. D. Margolin. V. V. Chislo. Fiz. gor. 1 21-24 no. 3-119-124 '66.

Svetlov, B. I. A., and N. E. Iaromenko. [Theory and properties of industrial explosives] Teoriia i svoystva promyshlennyykh vzyvchatykh veshchestv. Izd. 2., dop. i perer. Moskva, Nedra, 1966. 231 p.

## EXPLOSIVES—ANALYSES

Establishing standards for the poisonous gas contents in explosion products. B. D. Rosol. Buzop. truda i prom. 10 no. 122-24 Nov '62.

## EXTRACTION (CHEMISTRY)

Extraction-photometry determination of silver impurity in pure selenium and tellurium by means of 1,3-di-( $\beta$ -naphthyl)thiocarbazone. V. G. Tupisova, A. M. Andrichuk, L. A. Bazhanova. Zhur. anal. khim. 21 no. 10 1170-1182 '66.

Liquid-liquid extraction with mixing. H. K. Hoshcharenko, A. P. Hotins'ka, A. A. Akhtis's'ka. Khim. prom. [Ukr.] no. 3 15-17 Ji-S '62.

## EXTRACTION APPARATUS

(see also subdivision under France)

Characteristics of the Orfer extraction system. N. P. Kovalenko, V. E. Ovcharenko. Mash. zhur. prom. 28 no. 6 32-36 Je '62.

Modernization of the ND-1000 extraction unit. V. K. Mez'm. Mash. zhur. prom. 28 no. 6 29-31 Je '62.

Some regularities of mass transfer in a box extractor. N. I. Gelfand and others. Khim. prom. 12 no. 12 919-923 D '66.

## EXTRACTS

Gas exchange in obese animals following introduction of the pituitary preparation adiposin. N. A. Isichenko. Probl. endok. igorm. 9 no. 139-44 Ja-F '63.

## EXTREMITIES (ANATOMY)—BLOOD SUPPLY

State of the histohematic barrier of the extremity during the first hours following its replantation. L. M. Saburova. G. S. Lipovetskii. Trudy i-go MM 49:233-239 '66.

## EXTREMITIES (ANATOMY)—FRACTURE

Results of surgical treatment of fractures of bones of the extremities. I. A. Bellayina. Trudy Inst. im. N. V. Sklif. 7 368-372 '63.

Treatment of open fractures of the extremities. M. I. Byatitskii, I. F. Zagorukho. Travmatologiya no. 1: 118-123 '65.

## EXTREMITIES (ANATOMY)—TRANSPLANTATION

Changes in the function of the liver and kidneys in dogs following replantation of extremities. Preliminary report. A. A. Seid-Guseinov, G. S. Lipovetskii, L. M. Saburova. Trudy i-go MM 49:207-216 '66.

Changes in the protein-electrolyte equilibrium in dogs following replantation of extremity, preserved during 24 hours under  $t = +2 - +4^{\circ}\text{C}$ . L. M. Saburova, G. S. Lipovetskii. Trudy i-go MM 49:186-196 '66.

Clinical replantation of an amputated extremity. I. U. Ia. Gritman, G. S. Lipovetskii, S. A. Mushogian. Trudy i-go MM 49:240-245 '66.

Dynamics of the changes in the content of histamine in the blood and cerebrospinal fluid in dogs following replantation of extremities. I. L. Volsfeld and others. Trudy i-go MM 49:197-206 '66.

Indispensability of perfusion of the vascular system of an amputated extremity prior to its replantation. G. S. Lipovetskii and others. Trudy i-go MM 49:220-226 '66.

Morphological changes in the muscles and skin of a replanted extremity depending on ischemia and denervation. M. I. Shashina, G. S. Lipovetskii. Trudy i-go MM 49:227-232 '66.

Some problems in the clinical course of the syndrome of extremity replantation. Preliminary report. G. S. Lipovetskii. Trudy i-go MM 49:171-177 '66.

Some problems of the pathogenesis of the syndrome of extremity replantation. Preliminary report. G. S. Lipovetskii. Trudy i-go MM 49:178-185 '66.

State of the histohematic barrier of the extremity during the first hours following its replantation. L. M. Saburova, G. S. Lipovetskii. Trudy i-go MM 49:233-239 '66.

Vascular disorders in the kidneys following replantation of extremities under the conditions of acute experiment. Preliminary report. B. S. Svadkovskii, G. S. Lipovetskii. Trudy i-go MM 49:217-219 '66.

## EXTREMITIES (ANATOMY)—WOUNDS AND INJURIES

Surgical interventions as a reinnervation component in severe traumas to the extremities. M. M. Rozhinaki, V. G. Plinoga. Travmatologiya no. 1:124-129 '65.

Work capacity in a late period after suturing the nerves of the extremities. V. L. Kachuev. Zhur. nerv. i psikh. 63 no. 1-61-65 '63.

## EXTRUSION (METALS)

Selecting basic parameters of mechanical presses for cold extrusion. I. M. Pordabinski, E. M. Rodov. [Nauch. trudy] LNKIMASHA no. 11 68-78 '66.

## EXTRUSION (PLASTICS)

Studying the effect of the charging conditions on the operating capacity of extrusion machinery. G. V. Sagaliev. B. A. Olmex. I. F. Bokrieva. Plast. massy no. 9 15-20 '62.

## EXTRUSION PROCESS

Manufacturing electrodes by cold extrusion. B. A. Naumchuk, A. Sh. Murasov, I. I. Kapitsa, Kuz. shtam. prodv. 8 no. 12-45-16 D '66.

## EYE

Physiologic and morphological characteristics of the visual analyzer in some mammals. M. F. Nikitenko. Dokl. AN BSSR no. 1 605-607 S '62.

Eye reactions in epidemic hepatitis. M. D. Alekhin, I. N. Kuznetsova. Vopr. virus. 8 no. 4-502-505 Ji-Ag '63.

## EYE—ACCOMMODATION AND REFRACTION

Changes of the vision and ocular refraction in the process of near-accommodation paralysis in myopia. S. G. Muradallieva. Azerb. med. zhur. 40 no. 3:23-28 Mi '63.

Effect of atropinization on refraction in myopic children. N. A. Kozlov. Azerb. med. zhur. 40 no. 3:18-23 Mi '63.

Experimental clinical study of the effect of some ganglion blocking and vegetative preparations on the dynamics of eye refraction. U. Kh. Musabelli, K. A. Adigzalova. Polchueva. Azerb. med. zhur. no. 3:11-16 Mi '62.

## EYE—DISEASES AND DEFECTS

(see also subdivision under Iraq)

Changes in the blood vessels of the eye in rheumatic fever. I. I. Tsukerishvili, M. I. A. Samulevich. Sov. med. 26 no. 3:106-108 Mi '63.

[Diabetes mellitus and diseases of the eyes] Sakhamyl diabet i zabolevaniia glaz. [By] M. G. Margolis i dr. Moskva, Meditsina, 1966. 172 p. (Biblioteka prakticheskogo vracha) (DNLM)

## EYE—FOREIGN BODIES

Our experience in X-ray detection of foreign bodies in the eye. B. G. Butolina. Trudy Novokuz. GIDUVA 32:13-15 '65.

Rationalization of calculations in X-ray localization of intracocular fragments by D. Ia. Bogatin's method. A. A. Koz'min. Trudy Novokuz. GIDUVA 32:16-20 '65.

X-ray localization of "marginal" foreign bodies in the eye. A. A. Koz'min. Trudy Novokuz. GIDUVA 32:9-12 '65.

## EYE—RADIOGRAPHY

Our experience in X-ray detection of foreign bodies in the eye. B. G. Butolina. Trudy Novokuz. GIDUVA 32:13-15 '65.

Rationalization of calculations in X-ray localization of intracocular fragments by D. Ia. Bogatin's method. A. A. Koz'min. Trudy Novokuz. GIDUVA 32:16-20 '65.

X-ray localization of "marginal" foreign bodies in the eye. A. A. Koz'min. Trudy Novokuz. GIDUVA 32:9-12 '65.

## EYE—TENSION see Intraocular pressure

## EYE—WOUNDS AND INJURIES

Tariakovskaya, A. I. [Prevention of eye lesions] Praktika povrezhdenii glaz. Moskva, Znanie, 1967. 28 p. (Narodnyi universitet; Fakul'tet zdorov'ia, no. 2)

## FAÇADES

Consolidated casting and assembly of reinforced concrete panels for outside sunfacing of buildings at construction of Moscow television station. V. I. U. kin. Zhur. stroit. no. 12:27-28 '66.

## FAÇADES—MAINTENANCE AND REPAIR

Protection of facades of totally prefabricated buildings against rain water. K. Kashkarov, K. Skordul, Na stroit. Ros. 4 no. 10:27-28 O '63.

## FACIAL NERVE—DISEASES

Pathogenesis and treatment of primary neuritis of the facial nerve. V. S. Lobzin. Zhur. nerv. i psikh. 63 no. 1:49-52 '63.

## FACTORY EXPERIMENT DESIGNS

Quantitative determination of cis-isomer in a mixture of cis- and trans- $\beta$ -(4-aminocyclohexyl) propionic acids in the infrared. Report No. 2. Experiment design in the estimation of errors due to instability of conditions under which analysis was conducted. I. A. Titova, I. I. Volodarskaya. Zhur. anal. khim. 21 no. 11:1363-1366 '66.

## FACTORIES—DESIGN AND CONSTRUCTION

Plant architecture of Siberia. M. A. Udina. Izv. vuz. ucheb. zav. stroit. i khit. 9 no. 9 120-127 n.

Problems of architectural organization of space in conveyor assembly-line shops. V. N. Olshchova, Arkhit. 33SR no. 11:40-43 '66.

Quality of design for the reconstruction of plants. V. E. Lyga, V. Timosov, V. Moysenka. Stroit. Arkhit. 11 no. 8:29-30 Ag '63.

## FACTORIES—HEATING AND VENTILATION

For clean air. Okht. truda i sloz. strakh. 4 no. 12 3-1 D '66.

## FACTORY INSPECTION

Regulation on the technical inspection of tank units. Okht. truda i sloz. strakh. 9 no. 12 26-28 D '66.

## FACTORY MANAGEMENT

Tushinov, I. A. [Economics of the use of equipment] Ekonomika ispol'zovaniia oborudovaniia [Moskva] Mosk. rabochii, 1966. 63 p.

## FACTORY SANITATION

Composition of exhaust air in paraffin oxidation and in C. N. Pavlikova and others. Khim. prom. Ukr. no. 6 53-55 N-D '66.

## FALLING

(see also subdivision under Zaporozhye Province)

Falling with buffer strips. N. I. Polmer. Zemlekh. 28 no. 10 14-16 O '66.

FAMILY see subdivision under Turkmenistan

## FAMILY LIFE EDUCATION

Seven colors of the "Rainbow." G. S. Skokhlov, Sov. radio i tel. 12 no. 6:14-15 Je '63.

## FANS (MACHINERY)

Analyzing the work of a radial-flow ventilator with enlarged discharge channels. M. K. Vasil'ev, N. S. Efimov. Zap. ISKIII 86:220-223 '65.

Body form of a radial-flow ventilator. N. P. Syzhnev, Zap. ISKIII 86:232-237 '65.

Rostovskii Promstroimproekt. [Dynamic loads caused by crushing and milling, drafting and blasting machines, and centrifuges, handbook for designers] Dinamicheskie nagruзки ot dробit'no-razmolvnykh, lagodut'sykh mashin i tsentrifug, posobie dlia proektirovshchikov. Rostov-na-Donu, 1966. 47 p. [MICROFILM]

Surging in mine fans. A. A. Dzidzigiuri, T. I. Matkashvili. Izv. vuz. ucheb. zav. gor. zhur. 6 no. 5:138-145 '63.

Theory of a radial-flow ventilator. V. G. Turbin, N. P. Syzhnev. Zap. ISKIII 86:247-253 '65.

## FAR EAST—BIRDS—MIGRATION

Migration of birds in Far Eastern seas and northern part of Pacific Ocean. V. P. Shuntov. Zool. zhur. 41 no. 11:1699-1711 '66.

## FAR EAST, SOVIET see Soviet Far East

## FAR EASTERN ECONOMIC REGION—MAPS

Program of integrated mapping of the territory of the large Far Eastern Economic Region. D. S. Vishnevskii. Dokl. inst. geog. Sib. i Dal'. Vost. no. 8 53-59 '65.

## FARADAY, MICHAEL, 1791-1867

The first analysis. V. Azernikov. Prom. Atn. 9 no. 10 77-78 '66.

## FARADAY EFFECT

Optical rectifiers based on Faraday effect. A. L. MBae. Ilin and others. Radiotekh. i elektron. 11 no. 12 2240-2241 D '66.

## FARM BUILDINGS

(see also subdivision under Sverdlovsk Province)

Elements made of mesh-reinforced concrete. Sel. stroit. 16 no. 11:30 N '61.

## FARM BUILDINGS—DESIGN AND CONSTRUCTION

(see also subdivision under Virgin Territory)

Roslov, N. N. [Efficiency of design details for industrial farm buildings] Effektivnost' konstruktivnykh reshenii industrial'nykh soekokhoziaistvennykh zdani. Moskva, Stroizdat, 1966. 95 p.

## FARM CORPORATIONS see subdivision under Poland

## FARM EQUIPMENT

The new civil code of the Ukrainian S. S. R. and the organization of the procurement of agricultural supplies. V. A. Almaz. Pravoznavstvo no. 1:43-49 '65.

## FARM EQUIPMENT—FINANCE

Dynamics and changes in the structure of capital assets in connection with the intensification of agriculture. I. Pozdnyakov. Trudy Irk. un. 40:19-15 '65.

## FARM LIFE

Your own village. N. Sotseev. V mire knig 6 no. 11 19 N '66.

**FARM MANAGEMENT**  
(see also subdivision under Kakh District;  
Kurgan Province)  
Adjust agronomic calculations N. P. Safronov, P. I.  
Vozniak Z. m. k. d. 28 no. 10 51-51 O '66  
Control the quality of work A. A. Kalinov, Zemledelie  
23 no. 10 16-57 O '66  
Problems of the scientific organization of management  
on collective and state farms G. Lozn. Ekon. sel'khoz  
42 no. 12:21-30 D '66

**FARM MECHANIZATION**  
Let's mechanize our stock farming. N. Manskovskii.  
Agitator no. 2 30-31 Ja '62

**FARM PONDS** see subdivision under Dnepropetrovsk  
Province

**FARM PRODUCE**  
Develop the technical foundations for the processing of  
farm produce Khok. tekhn. 39 no. 11-1 My-Je '62.

**FARM PRODUCE—TRANSPORTATION**  
Automotive transportation workers organized the haulage  
of crops Avt. transp. 11 no. 7 1-5 JI '63.  
Highways and the development of agricultural production.  
G. R. Podlubnyi Avt. dor. 29 no. 11 7-8 N '66

**FARMERS**  
Work only conscientiously Agitator no. 10:3-6 S '62.

**FARMS—VALUATION**  
(see also subdivision under Armenia; Kominter-  
novskoye District; Moldova)  
Important condition of management. I. Suslov, Zemle-  
delie 28 no. 12 53-56 D '66

**FASCISM** see subdivision under Germany, West

**FASTENINGS** see subdivision under Khighizistan

**FASTENINGS—STANDARDS**  
Reduce the number of fastening types for motor vehicles.  
K. Kostin Avt. transp. 41 no. 12:40-11 D '66

**FAT**  
Determining fat content in herring under commercial  
conditions L. P. Minder, L. I. Konstantinova Trudy  
PINRO no. 13:63-76 '62

**FAT TISSUE** see Adipose tissues

**FATIGUE**  
States of stress and fatigue under conditions of isolation  
from external stimuli F. D. Gorbov, V. I. Miasnikov,  
V. I. Izodovskii Zhurn. v.ys. nerv. delat. 13 no. 4 455-522  
Jl-Ag '63.

**FATIGUE, MENTAL**  
Changes in higher nervous activity in students of junior  
classes of boarding schools during the day and the  
effect of active rest in form of lively play and physical  
exercise. A. A. Gushalovskii Zhurn. v.ys. nerv. delat.  
12 no. 3 465-471 My-Je '62

**FATTY ACID METABOLISM**  
Biosynthesis of cholesterol and fatty acids from 2-C<sup>14</sup>-  
acetate in various organs and tissues in rats V. F.  
Makelova, V. A. Tatstevskii Vop. med. khim. 12  
no. 6 616-647 N-D '65.

**FATTY ACIDS** see Acids, Fatty

**FAULTS (GEOLOGY)**  
Deep faults as a factor conducive to the detection of  
kimberlites in the Russian Platform. V. O. Ruzhitskii.  
Trudy VGU 63:7-15 '65.

**FAWTEER, ROBERT, 1885-1966**  
Robert Fawteer: an obituary Sred. veka no. 20:324-325  
'65.

**FAYALITE**  
Thermodynamics of equilibrium of fayalite Fe<sub>2</sub>SiO<sub>4</sub>  
with hydrogen. I. D. Berlin, R. D. Shapovalov.  
Zhurn. fiz. khim. 40 no. 11, 2905-2907 N '66.

**FECES—ANALYSIS**  
Counting devices for coprological examinations. A. M.  
Muzykovskii. Med. paraz. i paraz. bol. 32 no. 2:224-  
225 M-Apr '63.

Substitution of the conservant agent with selenite medium  
concentration in examination of excrements for Shigella  
and Salmonella. I. I. Litinski and others. Lab. delo  
no. 138-40 '67.

**FEDERAL GOVERNMENT**  
The views of foreign communist parties on the unitary  
and federal form of the state. B. L. Manella, Trudy  
TashGU no. 28:5-21 '66.

**FEDIN, KONSTANTIN ALEKSANDROVICH, 1892-  
Atadonika nauk SSSR. Institut mirov. literatury.**  
[Works of Konstantin Fedin; articles, reports, docu-  
mentary materials, meetings with Fedin, bibliography]  
Dvorchostvo Konstantina Fedina; stat'i, soobshchenia,  
dokumetal'nye materialy, vstrechi s Fedinym, bibliogra-  
fiia. Moskva, Nauka, 1966. 628 p.

**FEDOROV, ALEKSANDR ALEKSANDROVICH, 1905-  
Aleksandr Aleksandrovich Fedorov (his 60th birthday and  
10 years of scientific activity) A. A. Nikitin Rost. res.  
2 no. 4 581-585 '66**

**FEDULOV, STEPAN PETROVICH**  
Stepan Fedulov's verse. I. A. Belitskii. V. m. te. ing. 6  
no. 10 42-13 O '66.

**FEED GRINDERS**  
Energetic study of the working process of grinding stalky  
feeds in multipurpose grinders. S. V. Melnikov,  
K. Timonov. Zap. LSKH 96:272-274 '65.  
Experimental determining of the expenditure of power in  
grinding feeds in multipurpose grinders. K. Timonov.  
Zap. LSKH 96:280-287 '65.

**FEED INDUSTRY**  
Urgent tasks of the mixed feed industry. A. Baum  
Muk. elev. prom. 32 no. 11:19-21 N '66

**FEED INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
Search and proposals of efficiency promoters.  
M. Krotyni Muk. elev. prom. 32 no. 11:18-18 N '66

**FEED MECHANISMS**  
Calculating the cross sliding of a jaw feed carriage. C. I.  
Meilakh. [Nauch. trudy] ENIKMASH no. 11 16-19 '66  
Industrial testing of electrodriving feeders with a  
torsional elasticity system. L. A. Goldin, M. IU  
Falana Obog. iud. 11 no. 3:37-38 '66.

**FEED MILLS**  
High capacity feed grinder. Inform. blul. VDNKH no. 8  
21 Ag '62.

**FEEDBACK (ELECTRONICS)**  
Feedback in electrical networks. A. A. Rizkin. Teor.  
elektrotekh. no. 1:33-36 '66.

**FEEDBACK CONTROL SYSTEMS**  
Regularization of longitudinal instabilities in storage  
devices by means of feedback system. E. A. Zhitkov,  
A. N. Lebedev Atom. energ. 21 no. 6 505-506 D '66.

**FEEDING—EQUIPMENT AND SUPPLIES**  
Makarov, A. P. [Mechanization of the preparation and  
distribution of feeds on farms] Mekhanizatsia prigo-  
tovleniya i razdachi kormov na fermakh. Moskva,  
Kolos, 1966. 389 p.  
(DNAL)

**FEEDING—TABLES, CALCULATIONS, ETC.**  
Lemesh, V. F., A. P. Shpakov, and V. K. Nazarov [Feed  
norms and tables] Kormovye normy i tabulitsy. Minsk,  
Uchzhal, 1966. 385 p.  
(DNAL)

**FEEDS**  
(see also subdivision under Kazakhstan; Siberia,  
Western; Ukraine; Ulyanovsk District)  
New methodological instructions. I. P. Kondrakhin.  
Veterinariia 13 no. 12:82 D '66  
Thanks of a collective farm. A. N. Zhukovskii.  
Veterinariia 13 no. 12:10-11 D '66.

**FEEDS—ANALYSIS**  
Residual hexachloran in feeds. M. G. Bondarenko, R. F.  
Grechunina. Veterinariia 43 no. 12:81-82 D '66

**FEEDWATER REGULATION**  
Automatic control system of the feed of water in steam  
boilers. V. N. Korotkevich, V. V. Birink. Bezop. iuda  
v prom. 6 no. 5:30-31 My '62.

**FEFILOV, BORIS VLADIMIROVICH, 1895-1962**  
Boris Vladimirovich Fefilov; obituary. Izv. v.ys. ucheb.  
zav. geod. i aerof. no. 1:147-148 '63

**FELDSPAR**  
Bakumenko, I. T. [Regular quartz-feldspar intergrowths  
in pegmatites and their genesis] Zakonomernye kvart-  
polevosilpatovye smesteniia v pegmatitakh i ikh genozis  
Moskva, Nauka, 1966. 171 p.

Behavior of feldspars in sintering with time. G. R.  
Borovik, K. P. Kaleeva. Min. syr'va no. 13:70-82 '66.

**FEMUR**  
Morphological changes in the caput femoris in nonunion  
of medial fractures and pseudarthrosis of the femoral  
neck. A. M. Berman, V. M. Lirtsman Trudy Inst. im.  
N. V. Sklif. 7:323-325 '63

**FEMUR—FRACTURE**  
Anesthesia in the surgical treatment of fractures of the  
femoral neck in elderly and senile patients. B. V.  
Chetverushkin. Trudy Inst. im. N. V. Sklif. 7:325-330  
'63.  
Content of lithium, vanadium and silicon in the callus  
in fracture of the femur in frogs. A. M. Belous, A. P.  
Skoblin. Travmatologiya no. 1:149-152 '65.  
Fractures of femoral condyle and of tibia and their treat-  
ment. A. I. Surzhik. Travmatologiya no. 1:199-206 '65.  
Immediate and late results of surgical treatment of  
medial fractures of the femoral neck with three-bladed  
metal nail. L. N. Akulina, E. I. Roitburd. Travmato-  
logiya no. 1:164-166 '65.

Intramedullary osteosynthesis with the use of shifted  
autotransplants. F. M. Bakulin Travmatologiya  
no. 1:178-181 '65

Late results of intraseous fixation of fractures of the  
diaphysis of the femur. N. I. Guremenko. Trudy Inst.  
im. N. V. Sklif. 7:303-305 '63

Late results of surgical osteosynthesis with a metallic  
screw in medial fractures of the femoral neck. I. U.  
Kacn. Trudy Inst. im. N. V. Sklif. 7:310-323 '63

Late results of surgical treatment of fractures of the  
diaphysis of the femur by intraseous fixation with a  
metallic rod L. I. Talova Trudy Inst. im. N. V. Sklif.  
7:306-311 '63

Late results of surgical treatment of isochantane frac-  
tures of the femur. P. N. Petrov. Trudy Inst. im. N. V.  
Sklif. 7:311-316 '63.  
Results of surgical treatment of medial fractures of  
femoral neck. D. A. Savfel'd Travmatologiya no. 1:  
193-196 '63.  
Some data on the incidence of fractures of the femoral  
neck and their age-related localization. G. P. Pro-  
koshchuk Travmatologiya no. 1:190-192 '65

Technique of closed introduction of the nail in medial  
fractures of the femoral neck. V. I. Rozentsev.  
Travmatologiya no. 1:187-189 '65

Treatment of fractures of the femoral neck and its late  
results. M. S. Novik. Travmatologiya no. 1:173-  
183 '65.

**FEMUR—SURGERY**  
Surgical treatment of tuberculous trochanteritis. M. S.  
Rovinskii Sov. med. 26 no. 3:52-54 Mr '63

**FEMUR—TUBERCULOSIS**  
Surgical treatment of tuberculous trochanteritis. M. S.  
Rovinskii Sov. med. 26 no. 3:52-54 Mr '63

**FENCING**  
Measuring speed and precision of fencing movements.  
Teor. i prakt. fiz. kult. 29 no. 11:10-11 N '66.

**FERGANA—GRAPES—VARIETIES**  
Grape varieties of the Fergana Valley. I. K. Akramov.  
Shirok. iud. asp. i mol. vruch. sot. VIR no. 2:229-232  
'61

**FERGANA PROVINCE—TETRACORALLA, FOSSIL**  
New Visian Rugosa from southern Fergana. G. S.  
Kropacheva Paleont. zhurn. no. 1:11-16 '66

**FERGANA VALLEY—GAS, NATURAL—GEOLOGY**  
Prospecting trends in the Fergana Valley in the years 1966-  
1970. P. K. Azimov, V. I. Egorov, I. A. Shmulev. Geol.  
neft. i gaz. 10 no. 11:53-56 N '66.

**FERGANA VALLEY—OIL FIELDS—EQUIPMENT AND  
SUPPLIES**  
Experience in oil field automation of "Fergananeftgaz"  
Trust. G. A. Alidzhannov, S. A. Alekhin. Mash. i neft.  
obor. no. 9:36-40 '66.

**FERGANA VALLEY—PETROLEUM GEOLOGY**  
Prospecting trends in Fergana Valley in the years 1966-  
1970. P. K. Azimov, V. I. Egorov, I. A. Shmulev. Geol.  
neft. i gaz. 10 no. 11:53-56 N '66.

**FERGANA VALLEY—REMOTE CONTROL**  
Experience in oil field automation of "Fergananeftgaz"  
Trust. G. A. Alidzhannov, S. A. Alekhin. Mash. i neft.  
obor. no. 9:36-40 '66.

**FERMENTATION**  
Experience in the fermentation of the intermediate pro-  
ducts of beet-sugar production. A. I. Malchenko, F. B.  
Kishtul, A. I. Skiriatymovskii. Spirt. prom. 28 no. 4:  
14-16 '62.

**FERRI, ENRICO, 1901-1954**  
Lati, Pierre de. [Enrico Ferri. Translated from the  
French] Enrico Ferri. Moskva, Atomizdat, 1965.  
140 p., illus.  
(CU)

**FERNS**  
Effect of X rays on spore germination and gametophytic  
development in fern (Pteris longifolia L.). I. N. Ver-  
khovskaya, A. I. Nefedova Radiobiologiya 6 no. 5:711-  
713 '66

**FERNIS—GRAFTING**  
Vegetative propagation of two species of shield ferns.  
I. A. Kotukhov. Bot. Glav. bot. sada no. 63:95-100 '66.

**FERRATES** see Ferrites (Magnetic materials)

**FERRIES**  
Results of an analysis of the ice-breaking capacity of  
ferrites. D. E. Tamberg. Trudy LITV no. 61:128-134  
'65.

**FERRITE CRYSTALS—GROWTH**  
Use of Verneuil's method in growing ferrite crystals in  
NiO - Fe<sub>2</sub>O<sub>3</sub> system. S. Sh. Gendev Rost. krist. 6:  
173-180 '65

## FERRITES (MAGNETIC MATERIALS)

- Automatic control of ferrite cores. A. Grigorian. *Fiz. i tekhn. magn. rez.* 1964, 10, 10, 10-11.
- Effect of magnetic disorder in ferrite single crystals on their magnetic properties. V. P. Mikhlin, P. K. Nizhnik. *Fiz. i tekhn. magn. rez.* 1964, 10, 10, 10-11.
- Koslov, A. A. [Pulsed remagnetization of coupled ferrites] Impulsnoe peremagnicheniye svyazannykh ferritov. *Mooskva, Nauka*, 1966. 65 p.
- Nonstationary delayed recombination of electromagnetic signals in ferrite with parametric regeneration. F. V. Lisovsky, L. A. Monov. *Zhur. eksp. i teor. fiz.* 51 no. 5:1288-1291, 1966.
- Structural vacancies in iron-compound ferrite-spinels. B. A. Sidorov, B. G. Alapin, E. I. Vyschod. *Dokl. Akad. Nauk SSSR* 171 no. 2:359-362, 1966.

## FERRITES (MAGNETIC MATERIALS)—THERMAL PROPERTIES

- Thermal conductivity of ferrite-spinels in 300°-1000° K range. I. I. Vishnevskii, V. K. Skripak. *Fiz. tver. tela* 8 no. 7:2252-2254, 1966.

## FERRITES (MAGNETIC MATERIALS)—THERMO-DYNAMICS

- High-temperature enthalpy of nickel and cobalt ferrites. L. A. Landin and others. *Liv. Vys. SSR Neorg. mat.* 2 no. 10:2050-2057, 1966.

## FERRITIN

- Electron microscopic method of studying viruses with help of ferritin-labeled globulins. Isolation and characteristics of ferritin. I. A. G. Kishko, E. G. Nikharlov, N. S. Pavlov. *Vop. virus. B.* no. 5:555-558, 1966.

## Ferroelectric Crystals

- Crystallo-optical characteristics of some monoclinic ferroelectric crystals. N. R. Ivanov, V. F. Zotov. *Kristallografiya* 11 no. 6:924-926, 1966.

## Ferroelectric Substances

- Automatic thermal stabilization effect in ferrites and ferroelectric substances. G. B. Bogdanov. *Liv. Vys. ucheb. zav. iadotekh.* 9 no. 5:583-590, 1966.
- Collective excitations near points of second-kind phase transitions. V. G. Vaks, V. I. Galitskii, A. I. Laryin. *Zhur. eksp. i teor. fiz.* 51 no. 5:1592-1600, 1966.
- Semiconductor characteristics of ferroelectric substances. G. M. Guro, I. I. Ivanchuk, N. F. Kovtonuk. *Pis'ma v Zhur. eksp. i teor. fiz.* 5 no. 10:12-14, 1967.

## Ferromagnetic Resonance

- Ferromagnetic resonance in cobalt single crystals. I. A. S. Shur, O. I. Shurina. *Zhur. eksp. i teor. fiz.* 51 no. 4:1001-1005, 1966.
- Ferromagnetic resonance in presence of domain structure. V. I. Dudin, A. I. Pilschikov. *Fiz. tver. tela* 8 no. 7:2182-2185, 1966.
- Nonstationary delayed recombination of electromagnetic signals by ferrite with parametric regeneration. F. V. Lisovsky, L. A. Monov. *Zhur. eksp. i teor. fiz.* 51 no. 5:1288-1291, 1966.

## Ferromagnetism

- Automatic shift of magnetization curves and hysteresis loops. V. A. Kadkin. *Avtometriya* no. 3:53-55, 1966.
- Temperature behavior of impurity spins in ferromagnetic matrix. I. U. A. Izumov, M. V. Medvedev. *Fiz. tver. tela* 8 no. 7:2117-2123, 1966.

## Ferromanganese see subdivision under Kazakhstan

## Ferrosilicon—Electrometallurgy

- Making of 45% ferrosilicon with briquetted charge. S. I. Khutiv and others. *Stal'* 26 no. 12:1108-1109, 1966.
- Selecting optimum composition of charges for making calcium-silicide. G. S. Beliaev, B. I. Baidanov, R. M. Fridlanski. *Stal'* 26 no. 12:1105-1107, 1966.

## Fertilization (Biology)

- Characteristics of sexual process in domestic hens. I. E. Novik. *Trudy Inst. gen.* no. 25:168-175, 1962.

## Fertilization of Plants

- (see also subdivision under Lenkoran Lowland)

- Quantity of pollen grains needed for the formation of a single seed in vine crops. P. F. Kononov. *Trudy Inst. gen.* no. 25:46-52, 1962.

- Some observations on the anatomical and microchemical changes in the style of *Gossypium hirsutum* L. during fertilization. U. V. Khukhina. *Shor. trud. asp. i mol. nauch. sovr. VIR* no. 2:224-227, 1961.

- Study of the process of fertilization in various methods of corn pollination. R. N. Shchedrina. *Trudy Inst. gen.* no. 26:62-67, 1962.

## Fertilizer Industry

- Emel'yanov, P. E. [This is dictated by life] Eto prodi-kovano zhizn'iu. Moskva, Sovetskaya Rossiya, 1966. 139 p. (InU)

## Fertilizer Plants—Equipment and Supplies see subdivision under Dzhambul

## Fertilizers and Manures

- (see also subdivision under Kirghizistan)

- Banberg, K., ed. [Fertilizers] Mesloannas lidzekli. Riga, Lishni, 1965. 289 p. [In Latvian] (DNAL)
- Effect of prolonged fertilization on soil micro-organisms. I. S. Karpov. *Mikrobiologiya* 35 no. 5:878-881, 1966.
- Preparation and use of peat manure at collective farms in Zhitomir Province. I. P. Koshelov. *Puchv. ust. i efek. udob.* no. 1:166-173, 1963.

- Rapid electrochemical method for determining moisture in mineral fertilizers. S. I. Kychmat, K. F. Afendik. *Khim. prom. [Ukr.]* no. 3:67-68, 1962.

- Use of humic fertilizers made from brown coal. N. A. Gerasimov. *Puchv. ust. i efek. udob.* no. 1:162-165, 1963.

- Use of ion exchangers for the improvement of the physicochemical properties of fertilizers and soil. V. P. Batiuk, K. V. Donskova. *Khim. prom. [Ukr.]* no. 3:14-14, 1962.

- Ways for increasing the fertility of Chernozem soils and the efficient use of fertilizers. E. I. Shkonde. *Agroklimat* no. 12:144-148, 1966.

## Fertilizers and Manures—Crushing and Grinding

- Crusher for mineral fertilizers of a drum-toothed type. E. I. Delidze, A. G. Chochishvili. *Trudy GIN'ZNI* 15:114-114, 1966.

## Fertilizers and Manures—Handling

- Effectiveness of the methods of delivery and placement of fertilizers. N. T. Koulaev, A. I. Cherkasski. *Zemledelie* 28 no. 11:38-42, 1966.

## Fertilizers and Manures—Preservation and Storage

- Study of resistance of concrete and reinforced concrete structural elements of mineral fertilizer storage bins. A. P. Cherkov, V. P. Mitrokhin. *Liv. vys. ucheb. zav., stol. i arkhiv.* 9 no. 9:67-71, 1966.

## Fertilizers and Manures—Research

- Conference on programs and methods of the participants of the Geographical Network of Experiments with Fertilizers (1966). A. K. Slavitski. *Agroklimat* no. 12:141-144, 1966.

## Fertilizers and Manures—Transportation

- Transportation service for mineral fertilizer plants. K. F. Druzhinin and others. *Zhel. dor. transp.* 48 no. 10:73-76, 1966.

## Fetal Membranes

- Management of pregnancy in disturbed integrity of the fetal sac. L. V. Poz. *Sov. med.* 20 no. 3:61-65, 1963.

## Fetus

- Bodiazina, V. I., ed. [Essays on the physiology of the fetus and the newborn infant] Ocherki po fiziologii ploda i novorozhdenno, Moskva, Meditsina, 1966. 310 p. (DNLM)

- Transplacental (passive) transfer of plague antibodies to the progeny of greater gerbils. M. I. Levi, I. U. G. Suchkov. *Biol. eksp. i med.* 55 no. 6:88-91, 1963.

## Fetus—Diseases

- Virological study of the importance of respiratory virus infections in mothers for the pathology of fetus and newborn child. V. V. Il'eva and others. *Vop. virus. B.* no. 5:650-654, 1966.

## Fetus, Death of

- Embryonal mortality. W. Baier. *Veterinaria* 43 no. 12:69-71, 1965.

## Fetus, Effect of Radiation on

- Transition of Sr90 into the progeny of rats following a single intra-abdominal administration. M. A. Levchenko, I. U. D. Partonov. *Med. rad.* 7 no. 8:74-78, 1962.

## Feudalism see subdivision under France; Latvia

## Fever

- Various pathogenetic mechanisms of the pyretic reaction under the effect of streptococcal antigens. V. I. Pytskil. *Biol. eksp. i med.* 55 no. 6:80-73, 1963.

## Fever Therapy

- Compound treatment of psoriasis with pyrotherapy, auto-hemotherapy and use of laked blood. N. N. Ter-Karapetants. *Sov. med.* 29 no. 12:40-41, 1966.

## Fiber Glass Boats

- Analyzing the weight indices of fiber glass boats. I. A. Gulin, V. M. Tenaler. *Trudy LITV* no. 82:90-95, 1965.
- Kozhushniak, A. I., L. S. Rakhman, and I. V. Makel'mov. [Construction of plastic boats] Postroika plastmassovogo sudna. Leningrad, Sudostroenie, 1966. 170 p.

## Fiber Glass Reinforced Plastics see Glass reinforced plastics

## Fiberboard

- Economic effectiveness of the use of particle and fiberboards. I. U. Vorobkov, E. S. Gukhman. *Dokl. prom.* 15 no. 12:16-17, 1966.

## Fibers

- Dependence of X-ray diffraction pattern of fibrous materials on incident direction of primary beam. P. A. Rezhigalov, R. A. Replian. *Liv. AN Arm. SSR, i. l.* no. 3:133-146, 1966.
- Preparation of graft copolymers. Part II: Grafting of vinyl monomers into silk and wool. V. V. Korshak, K. K. Morgova, I. U. V. Egorova. *Vysokomol. soed.* 4 no. 11:1631-1638, 1962.

- X-ray diffraction in elongated three-dimensional structures (fibrous substances). P. A. Rezhigalov, R. A. Replian. *Liv. AN Arm. SSR, i. l.* no. 1:237-247, 1966.

## Fibrin—Therapeutic Use

- Use of fibrin film with phytonkies in burns. V. M. Korotkov. *Travmatologiya* no. 1:153-157, 1965.

## Fibrinase—Analysis

- Microdetermination of fibrinase activity. Zh. N. Babayantskov, S. S. Khaychev. *Lab. delo* no. 1:26-27, 1967.

## Fibrinogen

- Prophylactic effect of the most stable products of fibrinogen isolation during experimental thrombogenesis. B. A. Kudashov, I. P. Bakov, T. B. Kovaleva. *Vop. med. khim.* 12 no. 6:591-591, 1966.

- Simplified method for the determination of fibrinogen in the plasma during myocardial infarct and atherosclerosis. Azerb. med. zhur. 10 no. 4:43-48, 1963.

## Fibroblasts

- Autoradiographic study of mitotic cycle in normal fibroblast culture of mice. L. V. Efremova. *TSitologiya* 8 no. 5:609-615, 1966.

- Methods of obtaining clonal cells from transplanted cultures on primary culture of human embryo fibroblasts. P. Andonov, S. Dandakov. *Vop. virus. B.* no. 5:616-617, 1966.

## Field Crops

- (see also subdivision under Krainodar Territory)

- Belorusskii nauchno-issledovatel'skii institut zemledel'ia. [Breeding and seed production of field crops] Sel'skoi i semenovodstvo polevykh kul'tur. Minsk, Urozhai, 1965. 377 p. (DNAL)

- Morozov, V. K., ed. [Manual on the field testing of field crops in the southern] Rukovodstvo po opobatsi polevykh kul'tur na Ugo-Vostoche, K., perer. izd. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 214 p. (DNAL)

## Field Crops—Drying

- Characteristics of the performance of corn dryers in drying grain and seeds of various crops. V. I. Kozlov. *Muk. i elev. prom.* 32 no. 11:28-29, 1966.

## Field Crops—Fertilizers and Manures

- (see also subdivision under Chuvashia; Polesye)

- Crop rotations and the increase of the effectiveness of fertilizers. A. F. Danilevskii. *Zemledelie* 28 no. 11:36-37, 1966.
- Effect of epiphyte and rhizome schisms on fertilizers on farm crops. O. A. Kontant. *Puchv. ust. i efek. udob.* no. 1:149-155, 1963.

## Field Mice

- (see also subdivision under Kirghizistan; Russia, Northern)

- Some data on tumors in voles of the genus *Lagurus*. E. E. Pogostants, G. M. Platonova, N. I. Dolomina. *Vop. onk.* 12 no. 12:47-51, 1966.

## Field Theory

- Condition for correct interpolation of generalized uniform random field. O. I. Ponomarenko. *Dokl. AN URSR* no. 11:1400-1402, 1966.

## Figure Drawing

- Create for the people! A. Refregier. *Iskusstvo* 20 no. 11:18-19, 1966.

## Fil'chakov, Pavel Feodos'evich, 1916-

- Pavel Feodos'evich Fil'chakov; on his 50th birthday. A. I. Ishlinski and others. *Ukr. nat. zhur.* 10 no. 9:97-101, 1966.

## Files and Raps

- Design of forging rolls for file forging. O. I. Melnik. *[Nauch. trud.] ENKMAShA* no. 14:11-15, 1966.

## Fillers (Chemical Technology)

- Effect of fillers on properties of polymethylphenylsiloxane. Jacques K-47, V. I. A. Kruglitskii, A. A. Pashchenko, A. M. Kuznetsov, Ukr. khim. zhur. 32 no. 12:1346-1351, 1966.

- Interaction of latexes with fillers. Part I: Effect of the nature of latex protective substance on colloidal-chemical properties of carbon black-latex mixtures. E. A. Alosandrov, D. M. Sandomirskii, B. A. Dogadkin. *Koll. zhur.* 28 no. 6:781-780, 1966.



## FILLERS (CHEMICAL TECHNOLOGY) (Continued)

Mylodenum disulfide and graphite as fillers for polyorganosiloxanes. R. I. Kobova and others. *Khim. i tekhn. topol. i masel.* 11 no. 11:50-51 N '66.

Properties of filled polymers. Part 2: Combined effect of fillers and softeners on polyisobutylene properties. R. I. Feldman, E. G. Fedoseeva, S. I. Sokolov, K. I. Zhur. 28 no. 6:888-893 N-D '66.

## FILM ADAPTATIONS

Manevich, I. M. [Motion pictures and literature] *Kino i literatura*, Moskva, Iskustvo, 1966. 239 p.

## FILM COEFFICIENTS (PHYSICS)

Determining pressure loss during film regime in annular pipes. Ch. S. Guseinov. *Azerb. neft. khoz.* 45 no. 9, 26-29 S '66.

## FILMS (CHEMISTRY)

Anisotropy of heat conductivity of oriented polymer films. G. L. Slonimskii, T. A. Dikareva, V. I. Pavlov. *Vysokom. soed.* 8 no. 10:1717-1720 O '66.

Nature of liquid films on semi-immersed electrodes. I. U. A. Chizmadzhev, V. S. Markin. *Elektronika* 2 no. 11:1360-1362 N '66.

Process of deposition of tin and silicon films from their organic compounds under the effect of electron ray. B. A. Vishniakov, K. A. Osipov, P. P. Otopkov. *Izv. AN SSSR, Neorg. mat.* 2 no. 12:2234-2235 D '66.

## FILMSTRIPS

Movies of the "Dialfilm" studio. *Agitator* 34 no. 23:60 D '66.

## FILIFEI

On the history of the origin of the theory "Moscow, the third Rome", concerning N. E. Andreev's article "Filifei and his epistle to Ivan Vasil'evich N. N. Maslennikov". *Trudy ODRL* 18:568-562 '62.

## FILTER THEORY

Optimal filtration of nonlinear functions from gaussian processes. N. M. Vozoblev, G. S. Medvedev. *Avtom. i telemekh.* no. 11:19-23 '66.

Problems of synthesis of one class of optimal nonlinear filters. O. N. Kiselev, I. S. Popkov. *Avtom. i telemekh.* no. 11:29-38 '66.

Rising of a signal above noise in filtration of elementary radio signals with phase keying. V. M. Karshin. *Elektronika* 20 no. 12:10-14 D '66.

## FILTERS AND FILTRATION

Altering the rules for the selection of return filters subjected to pulsation pressure. A. P. Voshchinnik, M. P. Malyshev. *Trudy Gidropromkha* no. 7:108-115 '62.

Dewatering iron ore concentrates by automatic filter presses. I. N. Kharonets, E. E. Boguslavskii, B. V. Gishchuk. *Obog. rud.* 11 no. 3:27-30 '66.

Increasing the efficiency of filtration of finely crushed magnetite concentrates. V. A. Chumakov and others. *Gor. zhur.* no. 12:54 D '66.

Instrument for determining flow velocities and the permeability of the soils forming the bottom of water reservoirs, natural waters, and rivers (filter-meter). V. M. Nasberg, A. I. Kheikhalidze. *Trudy Lab. inzh. gidroelek. VODGEO* no. 4:132-141 '62.

Kuz'min, I. U. M. [Gauges in water-purifying structures; practical recommendations] *Stetskiye ustanovki v vodochistnykh sooruzheniyakh; prakticheskie rekomendatsii*. Leningrad, Stroiizdat, 1966. 130 p.

Sand control strainer screens of insertion and tube type. O. Kh. Guseinov. *Nefteprom. dat.* no. 11:23-28 '66.

Use of chemically stable fibers for the filtration of suspensions in soda manufacture. A. I. Pospelonko, A. P. Belenko. *Khim. prom. Ukr.* no. 6:57-59 N-D '66.

Use of synthetic fibers as material for bag filters in carbon black factories. M. M. Zaitsev and others. *Kauch. i rez.* 21 no. 6:33-36 Je '62.

## FINANCE

(see also subdivision under Estonia; Great Britain; Krasnodar Territory; Moscow; Tatar A.S.S.R.)

Allakhverdian, D. A. [Financial planning in the U.S.S.R.] *Finansovoe planirovaniye v SSSR*, Moskva, Finansy, 1966. 213 p.

Economic stimulation and complete business accounting in industry. D. Allakhverdian. *Fin. SSSR* 40 no. 11:27-39 N '66.

A fuller mobilization of potentialities is a task for every financial organ. V. Dementsev. *Fin. SSSR* 40 no. 11:3-10 N '66.

On the threshold of the second year of the five-year plan. *Den. i kred.* 24 no. 12:3-6 D '66.

Problems of business accounting in the system of optimal planning. P. G. Binnich. *Ekonom. i mat. metod.* 2 no. 6:801-807 N-D '66.

Role of finance in merging of the two forms of socialist property. E. Danielian. *Trudy Ekonom. i mat. gos. un.* no. 1:146-154 '64.

## FINANCIAL EMPLOYEES

In the Collegium of the Ministry of Finance of the U.S.S.R. *Fin. SSSR* 40 no. 11:96-97 N '66.

## FINGERS—DISEASES

Splint for the development of movements in finger joints. I. U. Antonov. *Travmatologiya* no. 1:217-238 '65.

## FINISHES AND FINISHING

For successful mastery of new finishing materials. V. Dzhegan, L. Zimina. *Na Strel. Roz.* 7 no. 11:13 N '66.

## FINNO-UGRIC STUDIES

The Second Conference of the History, Economy, Languages, and Literatures of Scandinavian countries and Finland. *Sied. vsta* no. 29:322-323 '65.

## FIRE DEPARTMENTS—EQUIPMENT AND SUPPLIES

[Fire engines and fire-fighting equipment] *Pozharnye mashiny i protivopozharnoe oborudovaniye*. [By] N. B. Kashchev i dr. Moskva, Stroiizdat, 1966. 310 p.

## FIRE ENGINES

[Fire engines and fire-fighting equipment] *Pozharnye mashiny i protivopozharnoe oborudovaniye*. [By] N. B. Kashchev i dr. Moskva, Stroiizdat, 1966. 310 p.

## FIRE PREVENTION—LAWS AND REGULATIONS

Mikeev, A. K., I. D. Rassadkin, and M. I. A. Rollman. [Manual on the establishing of technical norms] *Posobie po normativno-tekhnicheskoi rabote*. Izd. 2, perer. Moskva, Stroiizdat, 1966. 117 p.

## FISH, CANNED

Use of laurel preparations in canned fish production. V. G. Prutche, N. A. Kkeidze. *Ryb. khoz.* 42 no. 11:67-68 '66.

## FISH, FROZEN

Use of polyethylene films for storing frozen herring. E. Platonova. *Ryb. khoz.* 42 no. 11:62-63 '66.

## FISH, SALT

Seasoning of salt Atlantic herring. L. P. Minder, M. P. Sedunov. *Trudy PINRO* no. 13:92-101 '62.

## FISH, SMOKED

Carcinogenic substances, in particular 3,4-benzopyrene, in smoked products and measures for their removal. L. M. Shabad. *Vest. AMN SSSR* 15 no. 12:22-27 '60.

Content of 3,4-benzopyrene in smoked Baltic herring and in the smoke in various methods of smoking. Vop. onk. 9 no. 3:53-56 '63.

## FISH CULTURE

(see also subdivision under Black Sea; Murmansk Province)

Advanced methods of pond fish culture. *Inform. biul. VDNKh* no. 8:16-17 Ag '62.

## FISH INTRODUCTION

(see also subdivision under Siberia)

Introduction of genus *Oncorhynchus* salmon into Barents and White Seas. L. A. Galkina. *Trudy MMBI* no. 12:192-202 '66.

## FISH SCREENS

Use of fish screens at the intakes of irrigation pumping systems. A. V. Podinov, V. S. Kukhtin, O. I. Egorov. *Gidr. i mel.* 18 no. 1:30-35 D '66.

## FISH TAGGING

Migration of *Coregonus autumnalis* Pall. in Lake Baikal according to tagging data. K. I. Mishutin, N. V. Timentsev. *Izv. Biol. -geog. nauch. -issl. irk. un.* 18 no. 1:250-51 '65.

## FISH TRAPS

Catching capacity of a trap. V. A. Ionas. *Ryb. khoz.* 42 no. 11:58-59 '66.

## FISHERIES

(see also subdivision under Atlantic Ocean; Labaz, Lake; Sakhalin)

Suchkov, A. I. [Mastering the blue virgin land] *Osvoenie goluboi tseliny*, Moskva, Pishchevaia promyshl., 1965. 112 p. (Wau)

FISHERIES—BIBLIOGRAPHY see Bibliography—Fisheries

## FISHERIES—ECONOMIC ASPECTS

Output, profits and rentability as main indices of industrial production. I. D. Miazin. *Ryb. khoz.* 42 no. 11:76-77 '66.

Readiness for the transition to new working conditions. E. A. Odineis. *Ryb. khoz.* 42 no. 11:66-70 '66.

## FISHERIES—FINANCE

Determine correctly the yield of capital assets. I. M. Gaidman. *Ryb. khoz.* 42 no. 11:74-75 '66.

## FISHERIES—MANAGEMENT

Majoreva, S. A., and N. P. Syroev. [Management and planning in the fishing industry of the U.S.S.R.] *Upravlenie i planirovaniye v rybnoi promyshlennosti SSSR*. Moskva, Pishchevaia promyshl., 1966. 75 p.

## FISHERIES—RESEARCH

Theoretical formula of mass servicing applied to commercial fisheries. E. P. Novozhilov. *Ryb. khoz.* 42 no. 11:82-83 '66.

What the scientists of the Polar Scientific Research Institute of Fisheries and Oceanography are doing. A. A. Alekseev. *Ryb. khoz.* 42 no. 11:2-3 '66.

## FISHERY LAW AND LEGISLATION

International relations. *Ryb. khoz.* 42 no. 11:90-91 '66.

## FISHES

(see also subdivision under Severnaya Sos'va River)

Using Soviet bathyscaphes for the observations of commercial fishes. O. N. Kiselev. *Trudy Okean. kom.* 13:123-126 '62.

Viviparous fishes. V. I. Remizov. *Priroda* 55 no. 12:92-91 '66.

## FISHES—BEHAVIOR

Characteristics of the approach of young freshwater fishes to artificial light source. I. I. Giren, T. S. Loshcheva. *Zool. zhur.* 15 no. 11:1666-1691 '66.

## FISHES—DISEASES AND PESTS

Study of the mechanism of immunity in fish with the help of  $C^{14}$ . G. D. Gogharov, V. I. Romanenko, V. I. Mikriakov. *Dokl. AN SSSR* 171 no. 5:1237-1240 D '66.

## FISHES—EGGS

New wet method of insemination of ymbra eggs. E. N. Smitnova, S. S. Kuz'mina. *Ryb. khoz.* 42 no. 11:21-26 '66.

## FISHES—EMBRYOLOGY see Embryology—Fishes

## FISHES—FOOD

(see also subdivision under Ivano-Arakhleyevskiy region, Chita Province; Moldavia; Ob' Bay)

Fall and winter feeding habits of migratory whitefishes in Lena River. V. V. Kurnetsov, E. N. Aleksandrova. *Vest. Mosk. un. Ser. G. Biol. i pochv.* 21 no. 4:43-48 Ji-Ag '66.

Feeding habits of grayling in Irkutsk Reservoir. P. I. A. Tuganova, E. S. Gomeniuk. *Izv. Biol. -geog. nauch. -issl. irk. un.* 18 no. 1:270-83 '65.

Feeding habits of minnow Phoxinus phoxinus (L.) in Balkal basin and Irkutsk Reservoir. P. I. A. Tuganova, N. L. Antipova, L. A. Rostovtseva. *Izv. Biol. -geog. nauch. -issl. irk. un.* 18 no. 1:284-101 '65.

Feeding habits of the black Balkal grayling (*Thymallus arcticus*) in the southern part of Lake Baikal. P. I. A. Tuganova. *Izv. Vost. -Sib. otd. Geog. ob-va SSSR* 60:101-110 '62.

Seasonal and age-related characteristics of feeding habits of roach (*Rutilus rutilus lacustris* Pall.) in Lake Shuksha. V. N. Kuz'mich. *Izv. Biol. -geog. nauch. -issl. irk. un.* 18 no. 1:2108-117 '65.

## FISHES—MIGRATION

Migration of *Coregonus autumnalis* Pall. in Lake Baikal according to tagging data. K. I. Mishutin, N. V. Timentsev. *Izv. Biol. -geog. nauch. -issl. irk. un.* 18 no. 1:250-61 '65.

## FISHES—PARASITES see Parasites—Fishes

## FISHES—PHYSIOLOGY

Some biochemical characteristics of maturation dynamics of gonads in various fish species. L. I. Sokolov, M. I. Shatunovskii, K. V. Shust. *Vest. Mosk. un. Ser. G. Biol. i pochv.* 21 no. 4:26-34 Ji-Ag '66.

## FISHES, DEEP-SEA

Ocean in service of man. D. G. Cushing. *Priroda* 55 no. 12:28-33 '66.

FISHES, FRESHWATER see subdivision under Kamchatka

## FISHING—EQUIPMENT AND SUPPLIES

Basic methods of determining the economic efficiency of new technology and mechanization in trawling and drift net fishing. L. S. Nikol'skii. *Trudy PINRO* no. 13:50-63 '62.

Suchkov, A. I. [Mastering the blue virgin land] *Osvoenie goluboi tseliny*. Moskva, Pishchevaia promyshl., 1965. 112 p. (Wau)

## FISHING BOATS

Put in order business accounting in fishing fleet. A. Igotkin. *Ryb. khoz.* 42 no. 11:78-79 '66.

## FISHING BOATS—EQUIPMENT AND SUPPLIES

Management of sea floating fish factories of "Andrei Zakharov" type. S. G. Luk'yanov. *Ryb. khoz.* 42 no. 11:41-43 '66.

## FISHING BOATS—HYDRODYNAMICS

Effect of basic characteristics of the outline form of fishing ships on resistance. S. N. Krasnopolski. *Trudy Kal. tekhn. inst. ryb. prom.* 15:10-105 '62.

## FISHING BOATS—MAINTENANCE AND REPAIR

Butman, B. S. [Organizing the repair of mass-produced fishing boats] *Organizatsiya remonta seriynykh rybpromyslovnykh sudov*. Moskva, Pishchevaia promyshlennost', 1966. 78 p.

## FISHING NETS

Use of synthetic materials in manufacturing drift nets  
V.I. Vinogradov, A.I. Vinogradov, Rab. Prom. 42 no. 11  
52-54 '66

**FISHPONDS** see subdivision under: Uffrine

## FISTULA

Surgical treatment of fistulization of tuberculous  
cavities N.N. Bunatov, Akad. med. zhur. 40 no. 4  
73-79 '63

Unilateral fistulas in children S.D. Lemel' tsiastov  
Azerb. med. zhur. no. 7-37-40 '62

## FISTULA, BILIARY

Casualties of a spontaneously formed duodenal-biliary  
fistula difficult to diagnose R.N. Ragimov, Azerb. med.  
zhur. no. 7-52-61 '62

## FISTULA, GASTRIC

Chronic gastric fistula for 10 years N.V. Labecev and others  
Biol. eksp. biol. i med. 55 no. 8-11-113 '63

Gastric and colonic fistulas N.N. Elenski, Trudy Inst.  
um. N.V. Sklif. 176-81 '63

Gastroenterocolic fistula and its surgical treatment D.A.  
Arupov, N.S. Viteshev, Khirurgiya 39 no. 2 124-124  
F '63

## FISTULA, INTESTINAL

Casualties of a spontaneously formed duodenal-biliary  
fistula difficult to diagnose R.N. Ragimov, Azerb. med.  
zhur. no. 7-52-61 '62

Gastric and colonic fistulas N.N. Elenski, Trudy Inst.  
um. N.V. Sklif. 176-81 '63

Gastroenterocolic fistula and its surgical treatment D.A.  
Arupov, N.S. Viteshev, Khirurgiya 39 no. 2 124-129  
F '63

**FLAGELLATA** see subdivision under: Nakhichevan  
A.S.S.R.

## FLAME

Studying normal flame velocity of methane-air mixtures  
at high pressures V.S. Babkin, I.S. Kozachenko, Fiz.  
gosi i tsvet. no. 3 77-86 '66

Use of photoelectric method in studying flame turbulence.  
I.L. Kurnitsov and others Dokl. AN SSSR 171 no. 2  
327-330 N '66

## FLAME HARDENING

Organization of repair of equipment for flame working  
of metals E.L. Zhilin, V.E. Krivenko, Mont. i spets.  
rab. v stroi. 28 no. 12 23-24 D '66

## FLAME PHOTOMETRY

Absorption flame photometric method for the determination  
of lithium I.U. Zelinskaya, M.P. Nikonova, N.S.  
Poluektov, Zhur. anal. khim. 21 no. 12 1409-1413 '66

Eliminating photocell instability in flame photometers.  
T.E. Sergeeva, Stek. i ker. 23 no. 11 47-28 N '66

Use of phenomena related to the kinetics of ionization of  
alkali metals in the flame photometric method of analysis.  
S.B. Meshkova, N.S. Polubitor, M.P. Nikonova,  
Zhur. anal. khim. 21 no. 11 1293-1299 '66

## FLAUBERT, GUSTAVE, 1821-1880

Bibliomania (to be concluded). Gustave Flaubert.  
V mire knig 6 no. 11 44-45 N '66

Bibliomania (conclusion). Gustave Flaubert. V mire  
knig 6 no. 12 38-10 D '66.

## FLAVAN

Analysis of a mixture of hydrogenolysis products of 2-  
hydroxy-2,4,4,7,4'-pentamethylflavan by means of gas  
chromatography A.S. Lesichin, T.A. Rudol'f, V.I.  
Lushchik, Trudy VNIISNDV 7 161-165 '65.

## FLAVONES

Differentiation of flavona glycosides and tannic sub-  
stances in Tanacetum pseudoachillea L. T. Shipilov-  
skaya, R.L. Khazanovich, Apt. delo 12 no. 1:31-33  
Ja-F '63

## FLAVONOLS

Glyphoid, a new flavonoid glycoside of Glycyrrhiza gla-  
bra L. V.I. Litvinenko, Rest. res. 2 no. 4:531-536 '66

## FLAX

Use of solar radiation in fiber flax fields. V.D. Baranov,  
Trudy Un. druzh. nar. 14 Ser. khov. nauk. 1:95-104  
'66.

## FLAX—FERTILIZERS AND MANURES

Effect of the conditions of nutrition on the growth of flax  
and the yield and quality of its fibers R.V. Zaitseva,  
Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:219-224  
'63

## FLAX—STORAGE

Mechanization of loading and unloading operations and  
warehouse work in the flax industry. A.A. Mikhnev,  
Z.F. Petrov, Tekst. prom. 26 no. 12 56-58 D '66

## FLAX—TRANSPORTATION

Mechanization of loading and unloading operations and  
warehouse work in the flax industry. A.A. Mikhnev,  
Z.F. Petrov, Tekst. prom. 26 no. 12 56-58 D '66.

## FLAX SPINNING

Deformation of a drawn flax siver in the grip delivery  
rolls of the drawing machine under various pressures  
A.I. Gelman, Izv. vys. ucheb. zav. tekhn. tekhn. prom.  
no. 3 47-52 '66

## FLAX SPINNING—EQUIPMENT AND SUPPLIES

Kirillov, L.N. [Ring spinning machines for flax] Kol'tse-  
vye pradiynye mashiny dlya flak. Moskva, Legkaya in-  
dustriya, 1966 274 p.

## FLIES

Accelerated method of parasitological inspection of the  
holes of rodents I.V. Morozova, Trudy Gos. nauch.-  
issl. protivochum. inst. 16:293-295 '59

## FLIES—EXTERMINATION

Comparative toxicity of some microflucoro-containing  
organic fatty compounds for flies E.V. Aydcova,  
N.N. Baidal'skiy, Vest. Mosk. un. Ser. 8 Biol.,  
pochv. 21 no. 1 19-23 31-Ag '66

## FLIES

(See also subdivision under: Ashkhabad)

Method of determining the state of the pupae of Musca  
domestica vicina Macg. L.I. D'yachenko, E.F.  
Qidzhet, Med. paraz. i paraz. bol. 31 no. 5 617-618  
S-O '62.

## FLIES—EXTERMINATION

Temperature optimum of the activity of some species of  
synanthropic flies N.A. Tamarina, V.F. Zhelezova,  
Med. paraz. i paraz. bol. 31 no. 5 593-599 S-O '62

Use of chlorophes in fly control. D.I. Genis, Med.  
paraz. i paraz. bol. 31 no. 5 620-622 S-O '62.

## FLIES AS CARRIERS OF DISEASE

Role of the house fly (Musca domestica L.) in the dis-  
tribution of the eggs of helminths and the cysts of  
intestinal protozoans V.G. Fedorov, Med. paraz. i  
paraz. bol. 31 no. 5 618-620 S-O '62

**FLINT** see subdivision under: Dniester Valley

**FLOATING CRANES** see subdivision under: Caspian Sea

**FLOOD FORECASTING** see subdivision under: Trans-  
caucasia; West Siberian Plain

## FLOOR COVERINGS—SOUNDPROOFING

Calculation of impact-noise insulation of tiled floor  
coverings. V. Zaborov and others Zhil. stroi.  
no. 10 5-b '66

## FLOORS, CONCRETE

Use of multi-hollowed sections for flooring with hinged  
cantilever joining S. Kligerman, Zhil. stroi. no. 10;  
26 '66.

## FLOTATION

Effect of porosity of iron-containing minerals on their  
floatability. O.S. Bogdanov, N.S. Mikhailova, Obog.  
rud. 11 no. 3:19-22 '66.

Flow sheet for the treatment of arsenic-containing nickel-  
cobalt ores. I.I. Groman, A.A. Abramov, P.M.  
Perlov, Obog. rud. 11 no. 3:12-15 '66

Introduction of a new reagent in the coal preparation  
plant of the Kommunist. sk. Coke and Coal Chemicals  
Plant. M.I.A. Bel'chikov, G.A. Mamchits, Koks i  
khim. no. 6:8-10 '62.

Processing flotation results by methods of mathematical  
statistics. V.Z. Kozin and others, Obog. rud. 11  
no. 3:30-33 '66.

Rapid method of determining elemental sulfur content  
in the solid phase of a flotation pulp from native sulfur  
ores V.A. Kromel, L.A. Zaitchukina, M.P. Kolo-  
dizhnyi, Khim. prom. Ukr. no. 6 55-57 N-D '66.

Use of oxidized isocyanate for flotation of carbonates from  
Chukotka ores. D.I. Kogan, Sh.A. Makhmutov, V.A.  
Rychagov, Khim. prom. 42 no. 12:913-915 D '66.

## FLOTATION—EQUIPMENT AND SUPPLIES

Characteristics of pulp-lifting flotation machines. L.I.A.  
Shestakov, Obog. rud. 11 no. 3 25-27 '66

Copper sulfite method of separating collective molyb-  
denite-containing concentrates. L.A. Koneva-Strel'-  
skaya, Obog. rud. 11 no. 3:8-12 '66.

Depressant action of sodium silicofluoride in flotation of  
nepheline ores. G.F. Sushkov, V.E. Potapenko, Obog.  
rud. 11 no. 3:15-19 '66.

Ultrasonic emulsification of oleic acid, tall oil, and  
ANP-2 in ore-dressing plants A.A. Balshulakov and  
others Gor. zhur. no. 12:51-53 D '66.

## FLOUR INDUSTRY—HYGIENIC ASPECTS

Galkin, K.A., and A.S. Slutskiy. [Occupational hygiene  
in flour mills] Gigiena truda na mukoimolnykh pred-  
priyatiyakh. Moskva, Meditsina, 1966 28 p. (Nauch-  
no-populnaya meditsinskaya literatura)

**FLOUR INDUSTRY—MANAGEMENT** see subdivision  
under: France

## FLOUR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Search and proposals of efficiency innovations  
M. Kvetny, Mub. rev. prom. 42 no. 11:1-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

**FLOUR MILLS** see subdivision under: Ashkhabad,  
Fruntse; Kishinev; Moscow; Osofia, North;  
Vladimir Province

**FLOWERING OF PLANTS** see Plants, Flowering of

## FLUES

Efficiency of using the heat of the flue gases of industrial  
boiler systems. N.P. Karagin, Prom. inzh. 12  
no. 1:9-12 Ja '61.

## FLUID DYNAMICS

Effect of gravitational and surface forces on the flow of  
fluids in external cylindrical fittings. Z. L. G. 11, 10  
Skobelt'skiy, Net. khov. 11 no. 8:64-67 S '63

Heat transfer and resistance of checkboard laminar flow  
of pipes in a transverse flow. A.A. Zukanovskiy, A.A.  
Shlangaevskiy, Teploenergetika 8 no. 2:72-74 I '63

International symposium on processes of the transfer of  
physical characteristics in fluid and gas flows. V. 3.  
Nikolovskiy, Prikl. mekh. 2 no. 11:142-143 '66.

Mechanism of the interaction of solid with viscous  
fluid under laminar conditions. S.M. Isakovskiy, A.M.  
Gerasimov, Izv. AN Arm. SSR Ser. tekhn. nauk 19 no. 1  
11-49 '66

Ranque effect at low pressures. V.S. Martynovskiy,  
A.M. Volfov, Teploenergetika 8 no. 2:80-84 I '63.

Using resonance method in measuring shear elasticity of  
fluids and their boundary layers U. Kh. Ibrahimov, B.A.  
Derogin, A.V. Bulgadnev, Zhur. eksp. i teor. fiz. 51  
no. 4 969-972 O '66

Vibrations of two cylindrical resonators arranged at right  
angles in inviscid liquid flow B.M. Bulvol, O.M. Kh. 11, 10  
AN URSS no. 11:142-143 '66

## FLUIDIZATION

Effect of inhomogeneity of fluidized bed on the catalytic  
rate of catalytic reactions. O.M. Todor, Dokl. Ak.  
SSSR 171 no. 2 110-111 N '66

Study of drying of some crystalline odorless substances in  
a fluidized bed. A.E. Ogarev, T.A. Krasnitskaya, E.A.  
Krylova, Trudy VNIISNDV no. 7:121-124 '65.

## FLUORESCENCE

Use of isothiocyanatofluorescein for antibody labeling.  
M.M. Ogilevskaya-Plekhanova and others Izv. Ak.  
SSSR Ser. biol. no. 3:111-114 My-Je '63.

## FLUORESCENCE

Determination of the localization of muscle proteins in  
isolated myofibrils with the fluorescence antibody method.  
G.M. Frank and others Biofizika 11 no. 5 569-574 '63

Polarization fluorescence spectra of phycocyanin. A.A.  
Chernitskiy, S.V. Konev, Biofizika 11 no. 5 561-564 '63

Polarization of the fluorescence of crystals of phthalocyanine  
derivatives. A.M. Smirnovskiy, Dokl. AN URSS 6  
no. 9:556-559 S '62.

Spectral and photochemical characterization of photochemi-  
cally pigments in model systems. A.A. Gerasimovskiy,  
M.I. Dystov, Biofizika 11 no. 5:565-568 '63

Study of the structure of aluminum N-oxides by means of  
electron and luminescent spectroscopy V.N. Krasnitskiy,  
Zhil. i stroi. prod. Dokl. AN SSSR 171 no. 5  
101-101 D '66.

## FLUORESCENCE MICROSCOPY

Effectiveness of fluorescence and phase contrast methods in  
diagnosis of tuberculosis I.K. Tselin, I.A.  
Shmalik, Zhur. mikrobiol. i epid. i immunit. 13 no. 6:101-  
107 Je '62

Fluorescence microscopy indices of the sensibility of cells  
of cancer of the cervix uteri to irradiation. L.L. Vashkov,  
Vop. onk. 12 no. 11:671-70 '66.

Fluorescence microscopy study of the early stages of ex-  
perimental myocardial infarction. V.S. Koudantsev, I.  
Lushnikov, Biol. eksp. biol. i med. 55 no. 6:101-104  
Je '63

Phase and fluorescent microscopy of cellular components  
from sections of breast fibroadenomas  
A.N. Mel'nik, Klin. onk. no. 1:144-150 '65

## FLUORESCENT ANTIMONY TECHNIQUE

Discovery of Francisella tularensis in the marmoset  
marmoset Sulz. organism by fluorescence microscopy  
method V.G. Petrov, Izv. Annova Zool. zhur. 41  
no. 11:1012-1016 '66

Immunofluorescence method for detecting antigen in liver  
cells of infectious hepatitis patients K.S. Kotlandze,  
Vop. virus. 11 no. 6:675-680 N-D '66.

Immunofluorescence method for detecting coxsackievirus  
virus in smears from organs of orally infected mice  
cotton rats N.A. Zaitlenok, N.V. Ovsiannikov, M.M.  
Gol'dfarb, Vop. virus. 11 no. 5:559-564 S-O '66

Use of monoclonal serum in the indirect fluorescent  
antibody method for the differentiation of Brucella  
species. M.A. Chernysheva and others. Veter. medicina  
43 no. 11:18-18 N '66.

Use of smears-impregnated technique in immunofluorescent  
detection of tick-borne encephalitis virus in white mouse  
brain T.I. Dzhivanian, A.I. Akovlev, Vop. virus. 11  
no. 6:746-748 N-D '66

## FLUORESCENT LAMPS

Reliability of the firing of fluorescent lamps in starterless networks. V. Rytner. *Svetotekhnika* 13 no 1 4-7 Ja '67

## FLUORESCENT LAMPS—RELIABILITY

Formulation of a problem in the development of methods for high-speed determination of life of fluorescent lamps. E. V. Dyakonova, P. I. Mii, N. V. Rozhkova. *Svetotekhnika* 13 no 1 8-12 Ja '67

## FLUORESCENT LIGHTING

Small-sized still regulating apparatus for light fixtures for dwellings and public buildings. *Svetotekhnika* 13 no 1 31 Ja '67

Use of nonscalar values in the design of start regulating apparatus. E. I. Afanas'eva. *Svetotekhnika* 13 no 1 17-19 Ja '67

## FLUORIDES

Fluorides with high oxidizing capacity and their use in the preparation of organofluorine compounds. N. I. Gubkina, S. V. Sokolov, E. I. Kiylov. *Usp. Khim.* 35 no 12 2219-2242 D '66

Feasibility diagrams of binary systems NaF—H<sub>2</sub>O and KF—H<sub>2</sub>O. L. N. Shukko, V. I. Mal'nev, G. A. Bukharova. *Ukr. khim. zhur.* 32 no 12 1292-1295 '66

Quantitative separation of aluminum from fluoride solutions. A. I. Ponomarev, I. U. Bykovskaya, Zhur. anal. khim. 21 no 12 1427-1429 '66

## FLUORINE

Purification of fluorine-containing sewage resulting from the smelting of fluxes. I. U. S. Khaifovich, V. P. Trisankova. *Vod. i kan. gidr. soob.* no 1 77-81 '66

## FLUORINE COMPOUNDS

Pressure of dissociation of strontium fluoroberyllate. V. V. Novoselova, P. Sh. Muratov, L. P. Rozhnikova. *Vest. Mosk. un.* Ser. 2 Khim. 17 no 5 36-37 S-O '62

**FLUORSPAR** see subdivision under Chakhal Range region; Transbaikalia

## FLUORSPAR CRYSTALS—OPTICAL PROPERTIES

Physicochemical theory of optical centers in fluorite crystals containing rare-earth elements. V. V. Osiko. *Russk. fiz. zh.* 5:373 '62 '65

## FLUORSPAR CRYSTALS—SPECTRA

Cerium fluoride doped with neodymium as active medium for lasers. I. U. K. Voronko and others. *Kristallografia* 11 no 6 936-938 N-D '65

## FLUX (METALLURGY)

Barques as slag forming material in steel smelting. A. M. Bizer, V. N. Lotimbu, M. M. Shchekolovskii. *Izv. vuz. ucheb. zav. zhurn. met.* 9 no 12 56-60 '66

## FLYSCHE

Analytic studies of sediment accumulation in gypsum line basins as revealed by a study of the sedimentation of terrigenous flysch. M. V. Rals. *Izv. vuz. ucheb. zav. geol. i razv.* 6 no 6 35-44 Je '63

## FLYWHEELS

Increasing the efficiency of an inertia accumulator. N. V. Gultia, L. L. Gviesiani. *Vest. mashinost.* 46 no 12 28-29 D '66

## FOG

Possible effectiveness of modification of low clouds (fog). V. S. Kozharin. *Trudy GGO* no 188-184-112 '66

**FOLDS (GEOLOGY)** see subdivision under Apsheron Peninsula; Dzangarian Alatau; Timan Range; Ural Mountains

**FOLK DANCING** see subdivision under Dagestan

## FOLK DANCING, LATVIAN

Suna, Ilaija. [Latvian folk dances] Latvian rotas un rotasdejas. [Riga] Zinatsne [1966] 858 p. [In Latvian]

## FOLK SONGS, LITHUANIAN

Reza, L. [Lithuanian folk songs] Lietuviu liaudies dainos. Vilnius, Vaga, [In Lithuanian] Vol 2 1934. 391 p.

## FOLK SONGS, UKRAINIAN

[Ukrainian folk songs] Ukraini'ki narodni plasi. Kyiv, Mystel'stvo, No. 4, 1965. 232 p.

## FOLKLORE

Akademiia nauk SSSR, Institut etnografii. [Contemporary Russian folklore] Sovremennyy russkii fol'klor. Moskva, Nauka, 1966. 254 p.

## FOOD

Correlation between the strength of the nervous system and the dimension of unconditioned food secretory reflexes. L. P. Rudenko. *Zhur. vuz. nerv. deiat.* 13 no 4: 695-698 Ji-Ag '63

## FOOD, CANNED—MICROBIOLOGY

Thermophil bacteria—pathogens of spoilage in preserved foods. L. P. Naidenova. *Mikrobiologiya* 31 no 5 910-917 S-O '62

## FOOD INDUSTRY

(see also subdivision under Omsk Province, Volgograd Province)

Second year of the five-year plan. K. Skovoroda. *Sov. tog.* 40 no 12-3 Ja '67

**FOOD INDUSTRY—AUDITING AND INSPECTION** see subdivision under Ikutsk

**FOOD INDUSTRY—MANAGEMENT** see subdivision under Tula

## FOOD SERVICE—STATISTICS

Public food service and the growth of national consumption. U. K. Shudakov. *Trudy INEKh* no 38-71-60 '65

## FOOD SPOILAGE

Thermophil bacteria—pathogens of spoilage in preserved foods. L. P. Naidenova. *Mikrobiologiya* 31 no 5 910-917 S-O '62

## FOOT—DISEASES

Some clinical, diagnostic, therapeutic, and preventive problems of mycoses of the feet. A. M. Artych. *Vest. deim. i ven.* no 12 15-21 '62

## FOOT-AND-MOUTH DISEASE

Carbohydrate metabolism in the culture of swine embryonal kidney epithelium infected with the foot-and-mouth disease virus. A. G. Revenkov, D. A. Sverekalov, L. I. Gumen. *Veterinariia* 43 no 120-21 Ja '67

Elimination of foot-and-mouth disease in primary focus. A. P. Kobets and others. *Veterinariia* 43 no 1 6-12 Ja '67

I apurized antigen for diffuse precipitation reaction in foot-and-mouth disease. A. P. Pristekov, A. G. Luboshalkov, A. I. Dudnikov. *Veterinariia* 43 no 1 26-27 Ja '67

Muridin of saigas. I. Z. Klimchenko, V. M. Pomushkin. *Trudy Gos. nauch. issl. p'rirodozhoz. inst.* 16:291-292 '59

Problems of the epizootology of foot-and-mouth disease. S. I. Volnov. *Veterinariia* 43 no 1 17-21 Ja '67

Production of diagnostic foot-and-mouth disease serum for antigens using rabbit tissues. M. V. Zagorodny, V. B. Elagina, N. V. Proskakova. *Veterinariia* 43 no 1 28-29 Ja '67

Sterilization of milk in the focuses of foot-and-mouth disease using dry steam. A. A. Poljakov and others. *Veterinariia* 43 no 1 29-31 Ja '67

Veterinary hygienic measures as the basis of the prophylaxis of foot-and-mouth disease. N. I. Gorbunov. *Veterinariia* 43 no 1 93-95 Ja '67

## FOOT-AND-MOUTH DISEASE—COMPLICATIONS AND SEQUELAE

Complications in cows after foot-and-mouth disease. G. F. Bondarenko and others. *Veterinariia* 43 no 1 15-17 Ja '67

Effect of foot-and-mouth disease on the reproductive functions in cows. V. I. Andrievskii, I. P. Red'kin. *Veterinariia* 43 no 1 84-86 Ja '67

Treating mastitis caused by foot-and-mouth disease. A. T. Mereluk, V. A. Potushnyi. *Veterinariia* 43 no 1 86-88 Ja '67

## FOOT-AND-MOUTH DISEASE—MICROBIOLOGY

Age-related sensitivity of kidney cell cultures of swine embryos to foot-and-mouth disease virus. M. A. Ushchinskii. *Vop. vuz. zh.* no 6:748-750 N-D '66

Identification of epizootic strains of the A1 variant of the foot-and-mouth disease virus. A. I. Sobko and others. *Veterinariia* 43 no 1 29-31 Ja '67

## FOOT-AND-MOUTH DISEASE—PREVENTIVE INOCULATION

Foot-and-mouth disease vaccine from the virus cultivated in calf kidney cell suspension. N. V. Ikhachev and others. *Veterinariia* 43 no 1 24-25 Ja '67

**FORAGE PLANTS** see subdivision under Kiev

**FORAMINIFERA** see subdivision under Mediterranean Sea

**FORAMINIFERA, FOSSIL** see subdivision under Azerbaijan; Badkhyz region (Turkmenistan); Caspian Sea; Crimea; Kara Kum; Kelyat Range; Voronezh Province

## FORCE AND ENERGY

Grigor'ev, V. I., and G. I. Mikhisev. [Forces in nature] Sily v prirode. Izd. 2, dop. Moskva, Nauka, 1966. 400 p.

## FOREARM—FRACTURE

Exercise therapy in diaphyseal fractures of the forearm following treatment with intrasosseous metal rod fixation. L. N. Nannova. *Trudy Inst. im. N. V. Sklif.* 7 360-367 '63

Late results of surgical treatment of closed and open fractures of the forearm bones using the method of intrasosseous metallic osteosynthesis. O. S. Chakhunashvili. *Trudy Inst. im. N. V. Sklif.* 7 342-348 '63

Late results of surgical treatment of nonunited fractures of the diaphysis of the forearm. N. A. Popova. *Trudy Inst. im. N. V. Sklif.* 7 349-351 '63

Surgical treatment of diaphyseal fractures of the forearm and their outcomes. A. M. Abramov. *Trudy Inst. im. N. V. Sklif.* 7:351-359 '63

## FOREIGN BODIES (SURGERY)

Preparation of the localization of foreign bodies. D. I. Bogatin. *Trudy Novokuz. GIDUZh* 32-5-8 '65

**FOREIGN BOOKS** see Books, Foreign

## FOREIGN EXCHANGE

Brief information on foreign exchange and banks abroad. Den. i kud. 21 no 12 85-86 D '66

## FOREIGN EXCHANGE PROBLEM

Galt, I. M. [The system of international payment and credit relations of the U. S. S. R. in foreign trade] Sistema mezhnatsionalnykh raschetnykh i kreditnykh otnoshenii SSSR po vnesheii torgovle. Kiev, Kievskii in-ist. i. khooz., 1965. 40 p. (CST-H)

**FOREIGN STUDENTS** see Students, Foreign

## FOREIGN TRADE REGULATION

Rosenberg, M. G. [Legal regulation of relations between the all-Union corporations of foreign trade and the Soviet organizations which order imported goods] Pravo-vo regulirovaniia otnoshenii mezhdu vsesoyuznymi vnesheii torgovli ob'edineniami i sovetskimi organizatsionno-zakazchikami importnykh tovarov. Moskva, IMO, 1966. 114 p.

**FORENSIC CHEMISTRY** see Chemistry, Forensic

**FORENSIC PSYCHOLOGY** see Psychology, Forensic

## FOREST ECOLOGY

(see also subdivision under Amur Valley; Kamchatka; Kuybyshev Reservoir)

Absorption by soil of ash elements and nitrogen with the litter of woody and herbaceous plants in the basic forest types of the "Les na Voroske" oak dominant forest. I. U. N. Neshataev and others. *Pochvovedenie* no 12:31-39 D '66

Effect of various grass types on growth and development of oak during its first years. G. M. Zozulina. *Trudy TSentr. zhurn. gos. zap.* no 4:3-36 '57

Water conditions of reclaimed soils of the Solonch complex under forest belts. G. S. Barykina. *Pochvovedenie* no 12:61-74 D '66

## FOREST FAUNA

Novikov, G. A., ed. [Biology of forest birds and animals] Biologiya lesnykh ptits i zverei. [By] G. G. Doppel'mair i dr. Izd. 2, ispr. i dop. [Moskva, Vysshiaia shkola, 1966] 402 p.

**FOREST INSECTS** see subdivision under Soviet Far East

## FOREST INSECTS—EXTERMINATION

(see also subdivision under Ukraine)

Forest protection. A. Minailo and others. *Zashch. iast.* 11 no 11:5-46 '66

## FOREST LITTER

Absorption by soil of ash elements and nitrogen with the litter of woody and herbaceous plants in the basic forest types of the "Les na Voroske" oak dominant forest. I. U. N. Neshataev and others. *Pochvovedenie* no 12:31-39 D '66

## FOREST MANAGEMENT

Let us improve the management of collective farm forests. K. Kulakov, L. Zaslavskaya. *Sov. iust.* 30 no 23:18 D '66

Pobedinskii, A. V. [Cleaning the area of cutting in case of falling trees with crowns] Ochsotka mest rubok pri podvozke stvolov s kromami. Moskva, Vses. Nauchno-issl. in-ist. lesosostroya i mekhanizatsii lesnogo khoziaistva, 1958. 8 p. (OrCS)

## FOREST ROADS—DESIGN AND CONSTRUCTION

Torgonskii, M. N., V. P. Krotov, and V. S. Bratko. [Construction of logging roads and artificial structures] Stroitel'stvo lesosoznykh dorog i iskusstvennykh sooruzhenii. Izd. 2, ispr. i dop. Moskva, Lesnaia promyshl., 1966. 300 p.

## FOREST SOILS

(see also subdivision under Chuna Valley, Irkutsk Province; Vkhoreva Valley)

Effect of farming practices on change in properties of gray forest soils. P. E. Solov'ev, I. K. Antipov. *Vest. Mosk. un. Ser. 6:101-107 Ji-Ag '66*

## FOREST SOILS—RESEARCH

Akademiia nauk SSSR, Sibirskoe otdelenie, Institut lesa i drevesiny. [Abstracts of reports for a scientific conference on forest soil research, July 15-20, 1965] Tezisy dokladov k nauchnoi konferentsii po lesnomu pochvovedeniiu (15-20 Iulia 1965 g.). Krasnodarsk, 1965. 215 p.

[MICROFILM]

## FORESTRY LAW AND LEGISLATION

Control of the quality of the unauthorized cutting of timber. G. I. Ponomarev. *Sov. lesn. khoz.* 23:21-27 D '66.

Use of the method of the forest resources. L. A. Kuznetsov. *Sov. lesn. khoz.* 23:21-27 D '66.

Use of the method of the forest resources. L. A. Kuznetsov. *Sov. lesn. khoz.* 23:21-27 D '66.

## FORESTS AND FORESTRY

(see also subdivision under Caucasus, Northern; Latvia, Latvian Province, Ukraine)

Gerasim, M. S., and T. V. Guseva. [Chemical method for wood control in forest nurseries and plantations in Central Asia]. *Khimicheskiy metod bor'by s sonitami v lesnykh питомниках i kul'turnykh, v oslobodivshiesya Azii. (Moskva, Lesnaya promyshl., 1966, 50 p. (DNAL)*

## FORESTS AND FORESTRY—VALUATION

Levin, V. I. [Pine forests of the European North, structure, growth, and evaluation of stands]. *Sosnaki Evropejskogo Severa, stroenie, rost i tsenitsa drevostoi. (Moskva, Lesnaya promyshlennost', 1966, 161 p. (DNAL)*

## FORGING

Comparing output in drawing with combined and processed dies. P. F. L. and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Determining deformation stresses in sectional stamping of dies. P. F. L. and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Distribution of deformations during drawing of large forgings. V. L. Zaleskiy and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Engineering properties of specimens made of Al-8 duralumin and subjected to upsetting under a pneumatic hammer. P. F. L. and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Optimum conditions for thermomechanical working of the metal. P. F. L. and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Pressing ring-type steel forgings under hammers. P. F. L. and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Seamless stamping of balls. V. P. Seredenko and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Stripping screw heads and wood screws having straight and cross slots. V. N. Gladikh. *Sov. lesn. khoz.* 23:21-27 D '66.

Using composite blank methods to study metal flow during forging. P. N. Merkulov. *Sov. lesn. khoz.* 23:21-27 D '66.

## FORGING MACHINERY—DESIGN AND CONSTRUCTION

Design of forging rolls for tile forging. G. I. Melnik. [Nauch. trudy ENIKMASHa no. 14:11-15 '66]

Elements of the new process forging machines. I. M. Podrabinskiy. *Sov. lesn. khoz.* 23:21-27 D '66.

Forging accuracy and rigidity of multiple-position automatic machines for cold forging. E. D. Brodskiy and others. *Sov. lesn. khoz.* 23:21-27 D '66.

Methodological characteristics for justifying optimum series of press-forging machines. A. F. Shurakov, V. I. Demchuk, S. D. Shpil'man. [Nauch. trudy ENIKMASHa no. 14:56-67 '66]

Rigidity standards of crank presses for hot forging. V. T. Meshcherin and others. [Nauch. trudy ENIKMASHa no. 14:91-110 '66]

## FORGING MACHINERY—PNEUMATIC DRIVING

Possibility of improving pneumatically driven hammers. P. S. Oksenenko. [Nauch. trudy ENIKMASHa no. 14:31-43 '66]

## FORMALDEHYDE

Effect of  $\delta$ -naphthol in the inhibited process of oxidizing depolymerization of the copolymer of trioxane with diacetal. L. A. Nivina, V. A. Sukhov, A. F. Lukovnikov. *Plast. massy* no. 12:41-43 '66

Special features of the processing of polyformaldehyde by molding under pressure. A. I. Lovetskaya, V. N. Gumbat, V. V. Lapskin. *Plast. massy* no. 12:34-37 '66

Use of vapor-formalin disinfecting chambers in veterinary practice. A. G. Nemchenko. *Veterinariia* 43 no. 1:95-97 Ja '67

## FORMAMIDE

Synthesis of N, N-dimethyl-substituted amides by the interaction of acyl chlorides with dimethylformamide. A. E. Kulikova, E. N. Zil'berman, F. A. Ekstrin. *Zhur. VKhO* 11 no. 6:704-705 '66.

## FORMAZANS

Effect of inhibitors on electron transfer chain in purple bacteria as related to molecular nitrogen fixation. I. D. Ivanov, N. S. Demina. *Mikrobiologiya* 35 no. 5:780-783 S-O '66.

## FORMIC ACID

Divalent rhodium formates. I. I. Cherniaev and others. *Zhur. neorg. khim.* 11 no. 11:2575-2582 N '66.

## FOSSIL CORALS see Corals, Fossil

## FOSSIL MOLLUSKS see Mollusks, Fossil

## FOSSIL OSTRACODA see Ostracoda, Fossil

## FOSSIL POLLEN see Pollen, Fossil

## FOSSIL TEETH see Teeth, Fossil

## FOULING OF SHIP BOTTOMS

Control of the fouling of ships. V. S. Donskii, P. F. Degtyarev. *Trudy Okean. korm.* 13:35-39 '62

Modern methods of protecting the underwater part of ships from fouling. E. I. Grishin, N. A. Krashnikov. *Trudy Okean. korm.* 13:40-41 '62

Synthesis of new toxic additives to antifouling paints. N. N. Melnikov, I. L. Vladimirova. *Trudy Okean. korm.* 13:10-18 '62

Ultrasonic protection of a ship from fouling. A. M. Atsef-band. *Trudy Okean. korm.* 13:7-9 '62

## FOUNDATIONS

Designing foundation beds in loess sagging soils of first type. V. N. Golubev. *Izv. vuz. ucheb. zav. stroit. i arkh.* 9 no. 9:20-28 '66

Ushikh, S. S., and V. I. Puskov. [Seasonal freezing of soils and their interaction with building foundations]. *Sezonnoe piromenie gruntov i ikh vzmoshodivnye fundamenty. (Moskva, [Krasnolarsk] Krasnolarskoe knizhnoe izd-vo, 1965, 165 p. [MICROFILM])*

We exceed the plans and save materials. V. I. Kharchev. *Na stroit. Ros.* 4 no. 10:18 O '63

## FOUNDATIONS—MAINTENANCE AND REPAIR

Restoration of pile foundation of pillar in operating shop. I. A. Matsumov. *Proizv. stroit.* 44 no. 11:30-31 '66

## FOUNDING

Prospects for and the economic effectiveness of the use of natural gas in founding. L. V. Semenov, V. M. Popov. *Trudy GGI* 18:212-221 '62

Techniques for casting pipe flanges. B. L. Dulyan. *Lit. prozv.* no. 11:43 N '63

Using polymer materials in founding. S. Sh. Slepovich and others. *Proizv. Bel.* 9 no. 12:10 D '66

We will catch up in a proper manner the 45th anniversary of the Great October Socialist Revolution. *Lit. prozv.* no. 11:1 N '63

## FOUNDING—CONGRESSES

(see also subdivision under Latvia)

Conference on chill casting. N. P. Dubinin. *Lit. prozv.* no. 11:17-48, p. 3 of cover N '63.

Latvian Republican Scientific and Technical Conference on progressive technology in founding. V. N. Pantelev, P. G. Vinnichenko, G. K. Petrik. *Lit. prozv.* no. 12:41-42 D '66

Thirty-second International Congress of Foundrymen. L. M. Martenikhin, I. A. Osmilov. *Lit. prozv.* no. 12:40-41 D '66.

## FOUNDING—COSTS

Planning foundry shop production expressed in terms of cost. M. I. Orlova, V. N. Bushitina. *Lit. prozv.* no. 12:5-6 D '66

## FOUNDING—FINANCE

Consultations on methodological problems. *Sbor. nauch. inform. Nauch. sov. po eff. osh. fund. kap. v.ozh. i nov. tekhn. AN SSSR* no. 2:141-143 '62.

## FOUNDRIES—EQUIPMENT AND SUPPLIES

Controlling the moisture content of loose materials. V. G. Pustynnikov, A. M. Plotod'nikov. *Lit. prozv.* no. 11:10 N '63

Department for breaking-off gating system from turbo-drill rotor and sinter castings. D. S. Valnshteyn, V. I. Bulukov, P. M. Linschenko. [Nauch. trudy ENIKMASHa no. 14:130-142 '66]

Equipment and technology of producing thin-walled non-ferrous metal castings. N. N. Belousov, A. A. Dodonov. *Lit. prozv.* no. 12:16-14 D '66

Exothermic coating for chills. V. S. Grabovenko. *Lit. prozv.* no. 11:61 N '63.

Horizontally closed, walking, foundry conveyor. P. F. Paroskiuk. *Lit. prozv.* no. 11:40 N '63

Iron melting gas furnace. A. I. Stepanov. *Lit. prozv.* no. 12:29 D '66

Necessary technological conditions for overall mechanization and automatic control in varied small batch production. V. M. Shestopalov, E. N. Dolzhanskii. *Lit. prozv.* no. 12:1-4 D '66.

New parting compound. B. B. Ginzburg, V. P. Samsonov. *Lit. prozv.* no. 12:34-35 D '66.

Nomograph for calculating gating systems. N. I. Mashchenko. *Lit. prozv.* no. 11:42 N '63

Some problems in the standardization of founding machines. N. V. Ivashkina. *Vest. mashinost.* 46 no. 12:72-73 D '66.

Studying, calculating, and developing improved designs of stepped gating systems with intermediate sprues. G. M. Dubitskii, I. U. P. Pyshmintsev. *Izv. vuz. ucheb. zav. chern. met.* 9 no. 12:127-132 '66.

Using internal chill in the production of steel castings. P. F. Vashukhin, G. A. Kuznetsov. *Lit. prozv.* no. 12:10 D '66

## FOUNDRIES—MANAGEMENT

Planning foundry shop production expressed in terms of cost. M. I. Orlova, V. N. Bushitina. *Lit. prozv.* no. 12:5-6 D '66

## FOUNDRY LADLES

Ladle for filling molds in production casting. A. A. Kashinets. *Lit. prozv.* no. 12:10-11 D '66.

## FOUNDRY SAND see Sand, Foundry

## FOURIER SERIES

Convergence of Fourier series in four dimensions for irregular upper half functions. N. N. Tikhonov. *Dokl. Akad. Nauk SSSR* 10 no. 9:621-623 S '66

Disposition of series of Fourier transformations of complex plane. V. I. Kozlov. *Dokl. Akad. Nauk SSSR* 10 no. 9:272-274 N '66

Linear methods of summing Fourier series containing rectangular multipliers. Part 2. I. I. Il'in, V. I. Il'in. *Uchenye zap. mosk. univ.* no. 6:3-12 '66

## FOURIER TRANSFORMATIONS

Laser as a source for Fourier optical transformations. B. K. Vainikhan, G. I. Kozlov. *Kibernetika* 11 no. 6:921-924 N '66.

## FRACTIONAL DISTILLATION see Distillation, Fractional

## FRACTIONS—STUDY AND TEACHING

Sequence of study of common and decimal fractions in eighth-year schools. S. A. Chudova. *Uchenye zap. mosk. univ.* 26:168-170 '65

## FRACTURE OF SOLIDS

Determining critical loads causing the development of enlarged cracks. A. A. Koshitskiy. *Trudy mosk. univ.* 2 no. 11:63-67 '66.

Investigating brittle fracture of specimens with different orientations. S. A. Il'in, L. V. Il'in, L. V. Il'in. *Trudy mosk. univ.* no. 1:38-41 '66

Propagation of cracks having a nearly circular shape. V. V. Ponomarev. *Trudy mosk. univ.* no. 1:193-195 '65

Theory of equivalent cracks in an elastic medium. V. V. Aleksandrov. *Kont. i. appl. mekh.* no. 1:19-45 '65

## FRACTURES

(see also subdivision under Ukraine)

Characteristics of the reparative processes in class A3 loose adjoining of the end of bone fragments. G. I. Lavincheva. *Trudy Inst. im. N. V. Sklif.* 7:107-110 '63

Diagnosis of fatty embolism of cerebral vessels in multiple fractures accompanied by cranial trauma. A. I. Kucherenko. *Travmatologiya* no. 1:110-111 '66

Effect of burn trauma on the regeneration of bone tissue. B. I. Movshov. *Pat. fiziol. i eksp. ter. ap.* no. 1:57-58 '61.

Osteosynthesis using hemostatic agents in open inferior fractures. V. I. Motovilov. *Travmatologiya* no. 1:324-327 '65.

Results of surgical treatment in fractures. V. A. Cherepanov. *Trudy Inst. im. N. V. Sklif.* 7:207-207 '63

Some data on invalidity following fractures of long tubular bones. I. I. Khudolozin. *Travmatologiya* no. 1:71-74 '65.

Surgical treatment of fractures of long tubular bones. V. P. Trubnikov. *Travmatologiya* no. 1:110-111 '66.

## FRACTURES—COMPLICATIONS AND SEQUELAE

Fat embolism of pulmonary vessels in fractures, predominantly of the femoral neck, treated with various methods. T. K. Vichomova. *Trudy Inst. im. N. V. Sklif.* 7:396-402 '63.

Surgical treatment of nonunited fractures and pseudoarthrosis. R. I. Aikubov. *Trudy Inst. im. N. V. Sklif.* 7:372-383 '63.

Venous thrombosis and embolism of the pulmonary artery as complications in fractures. N. I. Il'gintsev. *Trudy Inst. im. N. V. Sklif.* 7:380-382 '63.

## FRAMYCETIN

FrAMYcin effect on phytopathogenic bacteria in vitro. K. I. Bolshakova, I. R. Kozlov, V. I. Samoilenko. *Mikrobiol. zhur.* 28 no. 6:11-16 '66.

## FRANC AREA

Monetary unions of African countries in the system of the franc area. R. Logovinskaya. *Dokl. Akad. Nauk SSSR* 10 no. 12:76-86 D '66.

## FRANCE—ARMENIANS

From the history of the antifascist struggle of the Armenian Communists in France. T. S. Drachman. *Vest. obshchestv. nauk AN Arm. SSR* no. 5:42-51 Ak '66.

## FRANCE—BIG BUSINESS

Chernikov, G. P. [Financial oligarchy of France]. *Finansovaya oligarkhiya Frantsii. (Moskva, IMO, 1966, 415 p.)*

## FRANCE—BUILDING INSPECTION

"Simon" hydraulic inspection device. Transp. stroyt. II no. 11:57 N '61

## FRANCE—COLONIES

Tsimtsadze, Josif. [From the history of Georgian public opinion, the Georgian press and French colonial policy, 1870-1900 Iz istorii gruzinskoi obshchestvennoi mysli; gruzinskaia pressa i frantsuzskaia kolonial'nada politika, 1870-1900 gg. Tbilisi, Metsnereba] 1964 97 p. [In Georgian] (MH)

## FRANCE—COMMUNIST PARTY

From the history of the antifascist struggle of the Antifascist Communists in France T. S. Dambian Vest obshchestv. nauk AN Arm. SSR no. 5:42-51 May '66 Ideological work of the French Communist Party. Vozrozhdeniye. Kommunist 43 no. 2:100-116 F '67 In a Paris suburb. E. Shullukin. Nov. vrem. 25 no. 2: 25-27 Ja '67.

## FRANCE—COMMUNIST YOUTH

Why did I become a young Communist? Mol. komm. no. 11:112-117 N '61

## FRANCE—ELECTIONS

Pre-election problems in France. Boris Vesnin. Nov. vrem. 25 no. 8:16-18 F '67

## FRANCE—ELECTRIC LOCOMOTIVES

French electric locomotives operating on a c or d.c. Elek. i topl. inaga 10 no. 10:33-39 O '66

## FRANCE—ESPIONAGE, RUSSIAN

The myth of the "Soviet Mata Hari." V. Rozen. Nov. vrem. 25 no. 8:31-32 F '67

## FRANCE—EXTRACTION APPARATUS

Operation of Oller extraction systems in France. G. V. Prutsev. Masl. zhir. prom. 28 no. 6:42-46 Ja '62.

## FRANCE—FEUDALISM

Various forms of the property rights of Burgundian feudal landowners in the 10th-12th centuries. IA D. Serovaishkii. Sred. veka no. 20:16-27 '66

## FRANCE—FOREIGN RELATIONS

The position of France; President de Gaulle's New Year's message. Nov. vrem. 25 no. 3:8 Ja '67

## FRANCE—FOREIGN RELATIONS—RUSSIA

Moscow and Paris in December 1966. I. Vidiasova. Mezhdunar. zhurn. 11 no. 1:108-113 '67.

## FRANCE—FOREIGN RELATIONS—TURKEY

The policy of England and France in Turkey on the eve of the Second World War. B. Neklev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 4:3-9 '66.

## FRANCE—HISTORY

The clergy and nobility at the States-General of 1302-1308. N. A. Denisova. Sred. veka no. 20:90-113 '66

## FRANCE—HISTORY—SOURCES

French statesmen of the 16th-17th centuries; the role of paleographical data in the history of governmental administration. V. N. Minov. Sred. veka no. 20:267-275 '66

Renaud de Sainte Beuve's account of his expenses during his trip to Lyons. Febr. nauch. March 1313. T. P. Voronova. Sred. veka no. 20:260-266 '66

## FRANCE—INLAND NAVIGATION

Hydraulic construction work in France and the creation of a transcontinental waterway. V. Balanin. Rech. transp. 25 no. 12:57-59 '66

## FRANCE—MANUSCRIPTS, LATIN

History of a Carolingian manuscript of the ninth century from northern France. S. S. Neietina. Sred. veka no. 20:191-207 '66.

## FRANCE—MILITARY INTELLIGENCE

The French military intelligence and the threat of fascist aggression against France. B. Gusov. L. Borov. Voen.-ist. zhur. 6 no. 12:21-31 D '66.

## FRANCE—NARCOTICS AND CRIME

Secret of the "Kner" "France". A. Butitskii. Sots. zakon. 43 no. 12:70-72 D '66.

## FRANCE—POLITICS AND GOVERNMENT

Pre-election problems in France. Boris Vesnin. Nov. vrem. 25 no. 8:16-18 F '67.

## FRANCE—RAILROADS—TECHNOLOGICAL INNOVATIONS

New railroad technology in France. V. A. Nikanorov. Zhel. dor. transp. 48 no. 11:89-94 N '66.

## FRANCE—SOCIALIST PARTY

Vital problems and spiritless solutions. V. Midtsev. Mol. komm. no. 4:111-116 Ap '61.

## FRANCE—WINE AND WINE MAKING

A French manuscript of the 14th century; history of wine making in France. A. V. Konokotin. Sred. veka no. 20:254-259 '66.

## FRANCE—WRITING, GOTHIC

Gothic writing in France in the 13th and early 14th centuries based on a collection of manuscripts in M. E. Saltikov-Shchedin Public Library. V. L. Romanova. Sred. veka no. 20:228-253 '66

## FRANCE—YOUTH

Vital problems and spiritless solutions. V. Midtsev. Mol. komm. no. 4:111-116 Ap '61.

## FRANKO, IVAN, 1856-1916

Doroshenko, I. I. [Ivan Franko, literary critic] Ivan Franko - literaturnyi knyayk. [L'viv] Vyd-vo L'vivskoho univ., 1966. 208 p.

## Kolesnik, P. E. [Ivan Franko, a biographical sketch]

Ivan Franko, biograficheski ocherk. Kiev, Dnipro, 1966. 93 p.

A theoretical conference devoted to the 10th anniversary of I. I. Franko's birth. N. F. Viadich. Ukr. ist. zhur. 10 no. 11:157-158 N '66.

## FRANKO, IVAN, 1856-1916—MUSEUMS, RELICS, ETC.

Literaturno-memorial'nyi muzei Ivana Franka u L'vovi. Literaturno-memorial'nyi muzei Ivana Franka u L'vovi. Ivan Franko Literaturno-Memorial Museum in Lviv. L'viv, Kamennia, 1966. 1 v. illus. [In Ukrainian, Russian, and English]

## FREEDOM OF THE SEAS

Freedom of the open sea and the legal procedure of air-plane flights. N. S. Zhilinskii. I. E. Taikhanov. Mol. sbor. 49 no. 10:26-31 O '66

## FREEZE-DRYING

Laboratory sublimation unit for the freeze-drying of bacterial strain cultures. G. S. Bazverkhii. IU. P. Chernetskii. Veterinaria 43 no. 11:95-97 N '66

Modern equipment for the drying of plasma and other blood preparations by the sublimation method, a survey of the literature. M. V. Podolskii. Probl. gemat. i perel. krov. 8 no. 3:32-41 Mr '63

## FREIGHTERS

Basis for the weight indices of the metallic hull of inland cargo carriers for the construction period 1965-1970. G. G. Zadachneva. Trudy LITV no. 81:145-151 '65

## FRENCH LANGUAGE—STUDY AND TEACHING

Some problems of teaching a practical mastery of the vocabulary of the French language at the initial stage (in the 5th grade). G. V. Itatinskii. Uch. zap. GQPI no. 65:145-160 '65.

## FRENCH LANGUAGE—SYNTAX

One meaning of the combination of the verb "davoir" with an infinitive. G. V. Mitukova. Uch. zap. GQPI no. 65:81-85 '65.

## FRENCH MANUSCRIPTS see Manuscripts, French

## FRENCH NEWSPAPERS—HEADLINES

Some characteristics of the structure of newspaper headlines in relation to the history of the French newspaper. A. S. Dubovaya. Uch. zap. GQPI no. 65:65-77 '65.

## FREONS

Prospects of the use of Freons in absorption refrigerating plants. I. S. Budykhes. Khol. tekhn. 39 no. 3:13-10 My-Je '62.

Study of stabilizing effect of vinyl alcohol and vinylamine copolymer on fixed tobacco virus in purifying it by freeze. B. S. Diskina and others. Vop. virus. 11 no. 6:729-734 N-D '66

## FREONS—TOXICOLOGY

Toxicity of dichlorodifluoroethane (F-141) in prolonged effect on the body of experimental animals. T. K. Nikitenko. Toks. nov. prom. khim. veshch. no. 8:83-97 '66.

## FREQUENCY CHANGERS

Capacitive commercial frequency voltage divider with 1800 kv. rating. F. B. Engelsberg. Elektrotehnika 37 no. 12:38-41 D '66.

Effective damping in a frequency changer operating on the Hall effect. S. Sukhanov. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no. 6:3-8 '62.

Frequency changers on InSb and InAs Hall oscillators for high-frequency telephone channels. S. Sukhanov. Izv. AN Turk. SSR. Ser. fiz.-tekhn., khim. i geol. nauk no. 5:15-18 '62

Frequency conversion using double modulation of light. V. A. Dianova, E. R. Mustaf. A. P. Fishuk. Radiotekh. i elektron. 11 no. 11:2082-2085 N '66.

Frequency converter for regulating an asynchronous motor based on a current inverter with electronic commutation. A. V. Natalkin. Izv. vys. ucheb. zav. i elektromekh. 6 no. 10:1121-1128 '66

Mechanical method for studying transients in frequency converters in inverter operation. I. I. Kanter. IU. P. Vasil'ev, A. R. Reschikov. Izv. vys. ucheb. zav. i elektromekh. 6 no. 10:1136-1141 '66.

Network for regulating a frequency converter without a dc link. B. I. Firago. Izv. vys. ucheb. zav. i energ. 9 no. 11:31-38 N '66

Principal characteristics and special features of autodyne tunnel diode frequency converters. V. P. Voznenko. Radiotekh. i elektron. 11 no. 12:2269-2270 D '66.

Rakov, M. A. [Transistorized wideband frequency converter] Shirokopolosnye priobrazovateli chastoty na poluprovodnikovykh i lodakh. Kiev, Naukova dumka, 1966. 118 p.

Static frequency converter for an electric tool. III. IT. G. Olov. L. M. Matsnev. Mont. i spets. rab. v stroit. 25 no. 8:21-23 Ag '63

## FREQUENCY MEASUREMENT

Interference protection of electronic counter type frequency meters. G. A. Ananovich. Avtomatika no. 5:81-85 '66

## FREQUENCY REGULATION

Dynamic properties of automatic phase-frequency control systems. L. A. Sinitskii. Teor. elektrotehn. no. 1:141-147 '66.

Effect of narrow-band fluctuations on the operation of an automatic phase-frequency control system. V. V. Shakhgildian. Avtom. i tekh. no. 12:131-135 '66

Simultaneous automatic phase frequency adjustment and synchronization. L. A. Bilev and others. Radiotekh. i elektron. 11 no. 12:2155-2161 D '66

## FRESHWATER BIOLOGY

Interaction between the sulfur cycle and the production process in bodies of water. IU. I. Sosokhin. Vest. AN SSR 36 no. 12:13-15 D '66.

**FRESHWATER FAUNA** see subdivision under Varvara Resei volr

## FRICTION

Calculation of one-dimensional gas flow in a channel of varying cross section taking friction and heat transfer into account. I. I. Mezhitov. PMTF no. 3:92-93 My-Je '62.

Conditions for steady drawing of steel wire at high speeds. M. S. Paschuk, R. B. Krasitskiy, R. A. Chelmskova. Stal' 26 no. 12:1115-1117 D '66

Determining electric energy loss in friction of sliding rods and tubing in cased wells. A. G. Mislir-zade. Azerb. neft. khoz. 45 no. 9:29-30 S '66

Experimental study of frictional force in presence of boundary layer of viscoplastic fluid. I. R. Muradov. Azerb. neft. khoz. 45 no. 9:19-21 S '66.

Friction anisotropy in cold rolling. V. P. Sevordenko. A. V. Stepanenko. Dokl. AN BSSR 10 no. 9:652-654 S '66

Friction anisotropy in open upsetting. V. P. Sevordenko. A. V. Stepanenko. Dokl. AN BSSR 10 no. 10:741-747 O '66.

Steady laminar flow of an incompressible fluid in a plane channel and in a circular cylindrical tube, allowing for the heat of friction and the temperature dependence of the viscosity. S. A. Kaganov. PMTF no. 3:96-99 My-Je '62.

## FRIEDEL-CRAFTS REACTION

Determining the gaseous products of the reaction of polystyrene with sulfur in the presence of Friedel-Crafts catalysts. A. B. Davankov, E. V. Zambrovskaya. A. V. Aizer. Trudy MKITTI no. 42:174-177 '63.

Reaction of polystyrene with sulfur in organic solvents in the presence of Friedel-Crafts catalysts. E. V. Zambrovskaya. A. B. Davankov. Trudy MKITTI no. 42:167-173 '63.

## FRECH, MAX, 1911-

On the political map of art; a letter from Berlin. N. Otten. Nov. vrem. 25 no. 1:27-29 Ja '67.

## FRIT FLIES

Geographical distribution of *Meromyza* Mg species (Diptera, Chloropidae) L. I. Fedoseeva. Zool. zhur. 45 no. 11:1656-1672 '66

## FROGS

Polyphase rhythm of diurnal activity of *Rana temporaria* L. IU. D. Chugunov. Zool. zhur. 45 no. 11:1682-1697 '66

**FRONTS (METEOROLOGY)** see subdivision under Northern Hemisphere

**FROZEN FISH** see Fish, Frozen

## FROZEN GROUND

(see also subdivision under Pechora Basin)

Methods for the melioration of farm lands in areas of permafrost. A. A. Bogushevskii. Gidr. i mel. 18 no. 12:14-23 D '66.

Soils of arctic uplands in central Tien Shan formed under influence of permafrost phenomena. A. M. Mamayov, V. A. Mokorenko. Izv. Khir. fil. Vses. ob-va pochy. no. 2:10-24 '63.

## FRUCTOSE PHOSPHATES

Ratio of aldolase activity measured by fructose diphosphate and fructose monophosphate in various rat organs and tissues. A. A. Pokrovskii. I. I. Musin. Biokhimiia 31 no. 6:107-1203 N-D '66.

**FRUIT—IRRIGATION** see subdivision under Caucasus, Northern; Ukraine



## FRUIT—MORPHOLOGY

Modern state of the problems of the evolution and classification of the fruit of angiosperms. M. P. Pavlov. *Trudy Uchebn. nauch. ts. Sibirsk. nauch. inst.* 1959, 170, 166.

## FRUIT—PRESERVATION

Reducing losses in solid substances of sulfidized fruit in materials. M. I. Shchukin. *Prom. prom.* 9, no. 10, 19-21, 1960.

## FRUIT CULTURE

(see also subdivision under Baltic region; Sochi)

[ABC's of a fruitgrower, in questions and answers] Azbuka sadovoda, v voprosakh i otvetakh. Moskva, Kolos, 1966, 366 p. (DNAL)

Effect of soil moisture on the beginning and end of vegetation in seedlings of fruit plants and oak. I. U. Gurev. *Trudy Inst. gen.* no. 26, 103-111, 1962.

Kapitel', M. A., ed. [Principles of fruit culture]

Osnovy sadovodstva. [By] M. A. Kapitel'. 1. d. Moskva, Prosveshchenie, 1966, 351 p. (DNAL)

Kuklins, J. [Fruit culture] Anglikopila. Riga, Zinatne, 1966, 671 p. map (insert) [in Latvian]. (DNAL)

## FRUIT CULTURE—COGIS

Karaman, M. M., R. P. Piskunov, and V. G. Volkova. [Larger crops, lower costs] Uozlati vyshle—selosol'most' nizhe. Simferopol', "Krym," 1966, 28 p.

## FRUIT TRADE—FINANCE

Give more attention to the vegetable and fruit trade. P. Ostkin. *Fin. SSSR* 40, no. 11, 16-20, 1966.

## FRUIT TREES

Frost resistance of fruit trees. I. I. Tumanov. *Izv. AN SSSR. Ser. biol.* no. 3, 459-461, 1959-Jc, 1963.

## FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

His life, an exploit. M. Mal'tsev. Kommu. Vooruzh. Sil. J. no. 10, 88-92, 1963.

## FRUNZE—FLOUR INDUSTRY—MANAGEMENT

Nalgauz, A. B. [Paths of growth] Puti rosta. Frunze, "Krygystan," 1965, 43 p.

## FRUNZE—FLOUR MILLS

Loose release of flour at the Frunze Milling Combine. A. Nalgauz. *Muk.-elev. prom.* 32, no. 11, 26, 1966.

## FRUNZE—INSTRUMENT INDUSTRY—ACCOUNTING

Significance of a standard accounting method in industrial management. N. Fuzatsov. *Trudy Lkh. fak. Kii.* no. 1, 28-34, 1964.

## FUCOSE

Utilization of L-fucose by kidney enzymes. O. M. Kostikovskaya, E. L. Rozenfeld, Blokhimika 27, no. 5, 912-915, S-O, 1962.

## FUEL

Application of linear programming in the planning of fuel engineering. L. I. Istomin. *Trudy IGI* 18, 149-164, 1962.

Application of the distribution method of linear programming in the solution of fuel engineering problems. L. I. Istomin, V. M. Popov, A. K. Shubnikov. *Trudy IGI* 18, 173-178, 1962.

Application of the method of resolving factors of linear programming for the solution of fuel engineering problems. L. I. Istomin, V. M. Popov, A. K. Shubnikov. *Trudy IGI* 18, 165-173, 1962.

Application of the methods of linear programming in selecting fuel mixtures. L. I. Istomin, V. M. Popov, A. K. Shubnikov. *Trudy IGI* 18, 174-183, 1962.

Features of using fuels with a high content of free calcium oxide in the ash in electric power plants. N. G. Zolotare. *Elek. sila* 37, no. 11, 2-6, 1966.

Fuel is the mainstay of industry. V. Semenov, A. Shilin. *Agitator* no. 2, 11-13, Ja, 1962.

Networks for the mechanization of fuel supply operations of small electric power plants and industrial boiler systems. N. I. Spidonov. *Prom. energ.* 16, no. 1, 20-36, Ja, 1961.

Problems of comparing the socially necessary expenditure of labor on the basis of cost in fuel producing branches. V. N. Minakhova. *Trudy INKII* no. 38, 101-118, 1965.

## FUEL PUMPS

Power calculation of metallic membranes. D. F. Gurevich. *Zap. LSKHI* 66:158-163, 1965.

## FULMAR ISLAND, ANTARCTICA—ADÉLÉ PENGUIN

A record-holding penguin. V. M. Kamenev. *Inform. blul. Sov. antark. eksp.* no. 59, 81, 1966.

## FUMIGATION

(see also subdivision under Tatar A.S.S.R.)

Field testing of the smoke from hexachloran pois against mosquitoes in the taiga zone of the West Siberian Plain. O. I. Getta. *Sbor. nauch. rab. SibNIV* no. 11, 105-106, 1962.

## FUNCTIONAL ANALYSIS

Approximation of Weyl class functions by piecewise polynomial functions. M. Sh. Birman, M. Z. Solominsk. *Dokl. AN SSSR* 171, no. 5, 1015-1018, D, 1966.

Convergence of the Cauchy problem and analytic solutions to an evolutionary equation. S. G. Gurev. *Dokl. AN SSSR* 171, no. 7, 1032-1035, D, 1966.

Stable points of functionals of uniform approximation. S. V. Gurev, M. K. Potapov. *Dokl. AN SSSR* 171, no. 7, 1041-1044, D, 1966.

Statistical distributions in media disturbed by alien particles. I. U. Gurev. *Dokl. AN SSSR* 171, no. 5, 1015-1018, D, 1966.

Threshold behavior of partial scattering amplitude in Fock's N/D method. H. M. Chernykh. *Ukr. fiz. zhur.* 11, no. 11, 1172-1175, N, 1966.

Uniqueness of polynomial of best approximation in M-metric. G. I. Iatukhmedov. *Izv. vuz. ucheb. zav. mat.* no. 6, 177-187, 1966.

## FUNCTIONAL EQUATIONS

Functional equations of Dirichlet functions. A. F. Lashuk. *Dokl. AN SSSR* 171, no. 2, 278-280, N, 1966.

## FUNCTIONS

Approximation of functions using exponential polynomials. E. G. Shul'mitskiy. *Izv. vuz. ucheb. zav. tekhn. nauk* 11, no. 11, 1173-1180, 1966.

Calculation of a primitive function. T. G. Tskhadia. *Trudy Vych. tsentra AN Gruz. SSR* 3, 40-48, 1962.

Completion of an incomplete Mahaniquist system on a real axis. M. M. Dzhrbashian. *Dokl. AN Arm. SSR*, 35, no. 2, 55-61, 1962.

Density of zeroes of Riemann's  $\zeta$ -functions and Dirichlet's  $L$ -functions near straight lines. J. G. S. Igina. *Izv. vuz. ucheb. zav. mat.* no. 6, 61-73, 1966.

Determining the coefficients for power functions using the method of least squares. I. L. Belen'kin, A. A. Shchukin. *Mer. sbor.* 19, no. 10, 66-67, O, 1966.

Distribution of values of additive arithmetical functions. B. V. Levin, A. S. Tamm. *Dokl. AN SSSR* 171, no. 2, 281-284, N, 1966.

Evaluation of the derivatives of rational functions. V. N. Rusk. *Dokl. AN SSSR* 6, no. 8, 477-479, Ag, 1962.

Further on Schwarz's formula for  $n$ -connected circular region. I. O. Danduchenko. *Dop. AN URSR* no. 11, 1303-1306, 1966.

Harvard University. Computation Laboratory. [Tables of the error function and of its first twenty derivatives] Tablitsy funktsii oshibki i ee pervykh dvadtsati proizvedeniy. Moskva, Vychislitel'nyi tsentr AN SSSR, 1965, xvi, 276 p. (Biblioteka matematicheskikh tablits, no. 33) (NIC)

Keldysh-type Tauberian theorems on Cesaro averages. I. P. Polyakov. *Dop. AN URSR* no. 11, 1384-1389, 1966.

Minkowski inequality for functional functions. V. N. Rusk. *Dokl. AN SSSR* 10, no. 10, 725-727, O, 1966.

Micropropagation of elementary functions represented by expansion in a chain fraction. A. A. Doronchikova. *Kibernetika* no. 6, 31-40, N-D, 1966.

One analytic consequence of unitarity condition. O. S. Pavlov. *Ukr. mat. zhur.* 18, no. 6, 128-129, 1966.

Problems of minimization of uneven functions. B. B. Zak, B. N. Poludniy. *Kibernetika* no. 6, 53-57, N-D, 1966.

Some properties of quasi-members and of operators from quasi-members into quasimembers. B. A. Kushner. *Dokl. AN SSSR* 171, no. 2, 276-277, N, 1966.

## FUNCTIONS, ANALYTIC

Approximation of functions by rational fractions. A. G. Vitushkin. *Dokl. AN SSSR* 171, no. 5, 1023-1026, D, 1966.

Construction of current lines in the vortex interpretation of the theory of functions of a complex variable for certain analytical functions. Sh. Iomudov. *Izv. AN Tur. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk* no. 4, 12-20, 1962.

Remarks on one class of  $p$ -analytical functions connected with asymptotic problems in the theory of elasticity. G. N. Polozhil. *Pril. mekh.* 2, no. 11, 123-128, 1966.

Some recent results in approximation theory. V. V. Ivanov, V. K. Zudhaka. *Vych. mat. [Kiev]* no. 2, 3-30, 1966.

Tauberian theorems on G. I. Voronoi's functional method. I. I. Oglovetskiy. *Izv. vuz. ucheb. zav. mat.* no. 6, 107-116, 1966.

Use of  $p$ -analytic functions in solving one problem in asymptotic theory of elasticity for laminated finite cylinder. A. I. Kapshiyev. *Vych. mat. [Kiev]* no. 2, 115-123, 1966.

## FUNCTIONS, ANALYTIC—BOUNDARY VALUE PROBLEMS

Daniluk, L. I. [Lectures on boundary value problems for analytic functions and on singular integral equations; for students of Novosibirsk State University] Lektsii po kraevym zadacham dlia analiticheskikh funktsii i singularnykh integral'nykh uravneniyam, dlia studentov Novosibirskogo gosuniv'siteta. Novosibirsk, Novosibirskii gos. univ., 1964, 225 p.

## FUNCTIONS, BOOLEAN see Boolean functions

## FUNCTIONS, CONTINUOUS

Boundary values of Poisson integral and convergence rate of Fourier series of continuous functions. M. A. Subhankulov, L. I. Krainova. *Dokl. AN Tadzh. SSR* 6, no. 12, 5-8, 1966.

Connected extremum problem for class of functions representable by Stieltjes integral. V. A. Varukhin, S. A. Kashtanuk, V. G. Pinogova. *Izv. vuz. ucheb. zav. mat.* no. 6, 40-49, 1966.

Convergence of cubature processes for absolutely continuous and absolutely continuously differentiable functions. I. U. Ramskiy. *Vych. mat. [Kiev]* no. 2, 179-185, 1966.

Rozentfeld, A. S., and B. I. Akhlikson. [Transients and generalized functions] Perikhodnye pul'sy i obobshchennyye funktsii. Moskva, Nauka, 1966, 440 p.

Uniqueness conditions for a certain class of functions. V. S. Zakharov. *Dokl. AN Arm. SSR* 35, no. 2, 49-54, 1962.

## FUNCTIONS, DISCONTINUOUS

Differentiation and quasi-linear operators in a space of functions whose generalized derivatives are measures. A. I. Volpert. *Dokl. AN SSSR* 171, no. 5, 1027-1029, D, 1966.

## FUNCTIONS, HYPERGEOMETRIC

Confluent hypergeometric Horn's functions. M. B. Karkhovich. *Dit. urav.* 2, no. 9, 1239-1251, S, 1966.

Integral representation of generalized hypergeometric function of second order. I. P. Vovkoyev. *Dop. AN URSR* no. 11, 1379-1382, 1966.

## FUNCTIONS, MEROMORPHIC

Defective meromorphic values of meromorphic functions. A. A. Gol'dberg. *Dokl. AN SSSR* 171, no. 2, 251-257, N, 1966.

## FUNCTIONS OF COMPLEX VARIABLES

Construction of current lines in the vortex interpretation of the theory of functions of a complex variable for certain analytical functions. Sh. Iomudov. *Izv. AN Tur. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk* no. 4, 12-20, 1962.

Gelfond, A. O. [Residues and their applications] Vychety i ikh pri lozheniya. Moskva, Nauka, 1966, 110 p.

## FUNGI see subdivision under Armenia

## FUNGI, ENTOMOPATHOGENIC—CULTURES AND CULTURE MEDIA

Mass growing of entomopathogenic fungi. A. Evlakhova. *Zashch. rast.* 11, no. 11, 13, 1966.

## FUNGI, PATHOGENIC

Sensitivity of pathogenic aerobic fungi to antibiotics and sulfanilamides. I. U. S. Agumova, I. G. Sotseva. *Antibiotiki* 11, no. 11, 1039-1041, N, 1966.

## FUNGI, PHYTOPATHOGENIC

Reaction of the ecological groups of melons to fungus diseases. N. G. Giddeeva. *Sbor. tr. nauch. i med. nauch. sot. VUZ* no. 2, 268-273, 1961.

Survival of the *Diplodia* fungi of corn and the effect of some soil micro-organisms on them. F. E. Nemitskaya, G. V. Gritsenko. *Mikrobiologiya* 31, no. 5, 891-894, 9-O, 1962.

## FUNGI, PHYTOPATHOGENIC—CULTURES AND CULTURE MEDIA

Method of submerged cultivation of some phytopathogenic fungi. I. N. Miusov, I. V. Perunek. *Pril. biokhimi. i mikrobiol.* 2, no. 6, 699-702, N-D, 1966.

## FUNGICIDES

New dithiocarbamate fungicides for controlling the diseases of growing plants. N. G. Giddeeva and others. *Khim. v sel. khoz.* 4, no. 12, 17-21, D, 1966.

Study of the fungicidal properties of almond essence strengthening the antifungal action of undercyanic acid. Vest. det. i ven. no. 12, 51-57, 1962.

Systemic fungicides. S. N. Ivanova, N. L. Ponomareva, N. I. Shvetsov-Shilovskii. *Khim. v sel. khoz.* 4, no. 12, 27-33, D, 1966.

## FUR

Use of rabbit hair in the manufacture of head scarfs. I. B. Frenkel'. *Leh. prom.* no. 2, 28-30, Ap-Jc, 1962.

## FUR TRADE see subdivision under Omsk Province

## FURALDEHYDE

Chemical purification of furfural-containing sewage waters. Report No. 2. I. U. A. Tshilin, V. A. Vasil'eva. A. A. Iasinskaya. *Gidroliz i leokhimi. prom.* 19, no. 8, 12-14, 1966.

Colorimetric determination of furcellin. A. Z. Ukolova, A. A. Semenycheva. *Apt. delo* 12, no. 1, 72-75, Ja-F, 1963.

Isolation of furaldehyde from the vat residue of vacuum columns. G. A. Malukhov. *Gidroliz i leokhimi. prom.* 15, no. 4, 22-23, 1962.

New developments in the cooling system for hydrolyzates. V. K. Goncharenko. *Gidroliz i leokhimi. prom.* 15, no. 4, 21, 1962.

Studying the formation of furfural polymers in presence of hexamethylenetetramine. A. L. Pashkova and others. *Trudy MIKHI* no. 42, 137-142, 1963.

Third session of the Coordination Council on the Production of Furfuraldehyde and Polyhydric Alcohols. *Gidroliz i leokhimi. prom.* 15, no. 4, 30-31, 1962.

## FURAN

Preparation of substituted tetrahydrofurans by hydrogenation of 1,2-dienboxylic acid anhydrides. V. M. Dushinin, R. V. Maeva. *Trudy VNIISNDV* no. 7, 43-46, 1965.

Structure and odor of some mono- and disubstituted lactones and tetrahydrofurans. V. M. Dushinin and others. *Trudy VNIISNDV* no. 7, 77-85, 1965.





## GAS CONDENSATE FIELDS

Determining direction of condensate gas migration. A. S. Veltovskii. IA D Savvina. Geol. nefteigaz. 10 no. 11: 35-38 N '66.

## GAS CONDENSATE FIELDS—EQUIPMENT AND SUPPLIES

Automation block for group units in gas condensate fields. B. A. Kuzhanovskii, I. U. P. Doroteev. Mash. i. nefte. khor. no. 9:28-31 '66.

## GAS CONDENSATE OIL WELLS

Geographic method of determining equilibrium constant in order to calculate conditions of gas separation in gas condensate fields. E. F. Ramzanov. Azerb. nefte. khor. 45 no. 3:30-32 S '66.

## GAS DISTRIBUTION see subdivision under White Russia

## GAS DYNAMICS

Determining integral absorption coefficients of air heated by strong shock waves. A. I. Petrukhin, V. A. Proskurnikov. Zhur. eksp. i teor. fiz. 51 no. 5:1318-1357 N '66.

Vibrations of plates in a gas flow. G. A. Marchenko, A. P. Filippov. Prikl. mekh. 2 no. 11:133-137 '66.

## GAS DYNAMICS—BOUNDARY VALUE PROBLEMS

Fundamental problem for Lavrent'ev's equation in infinite region. N. M. Fainshteyn. Izv. vuzov. fiz. i. matem. 10 no. 6:132-156 '66.

## GAS FIELD BRINES

Tikhonov, B. A. [Initial reservoir pressures and geohydrodynamic systems] Nachal'nye plastovye davleniia i geogidrodinamicheskie sistemy. Moskva, Nauka, 1966, 267 p.

## GAS FIELD DEVELOPMENT

Flow of gas-liquid mixture through biological "window." G. P. Guseinov, G. A. Gamidov. Azerb. nefte. khor. 45 no. 12:18-21 D '66.

Gas saturation with water under formation conditions in gas pool development. V. I. Popov. Gaz. prom. 11 no. 11:18-17 '66.

## GAS FIELD FLOODING

Mechanism of flooding gas from porous media. I. U. V. Zhelezov, V. N. Martos, A. I. Frolov. Gaz. prom. 11 no. 11:12-16 '66.

## GAS FLOW

Calculation of heat and mass transfer in gas flow in the presence of chemical reactions. V. I. Istomin. Khim. prom. Ukr. no. 6:20-34 N-D '66.

Calculation of one-dimensional gas flow in a channel of varying cross section taking friction and heat transfer into account. I. I. Mezhirov. PMTE. no. 3:92-95 Mj-Je '62.

Laboratory method of testing the wearability of adsorbents. M. V. Fedotov. Trudy IGI 18:259-261 '62.

## GAS INDUSTRY

(see also subdivision under Turkmenistan; Ukraine)

Entering the year of the 50th anniversary of the Great October Revolution. Neftianik 11 no. 11:1-2 N '66.

Fil'kin, V. I. [Petroleum, gas, and petrochemical industries and their role in creating the productive forces of communism] Neftianika, gazovnaia, neftekhimichesknaia industriia i ee rol' v sozdani'i proizvoditel'nykh sil kommunistizma. [Groznyi] Checheno-Ingushskoe knizhnoe izd-vo, 1965, 77 p.

Forty-ninth anniversary of October Revolution. Gaz. prom. 11 no. 11:1-2 '66.

Honorary title and honorary diplomas to workers of petroleum production, gas processing, and oil refining industries. Neftianik 11 no. 11:9-10 N '66.

Scientific and Technical Association of Power Engineering. A. Isaev. Gaz. prom. 11 no. 11:3 of cover '66.

## GAS MANUFACTURE AND WORKS—SAFETY MEASURES

Pay unremitting attention to ventilation during the treatment of petroleum and gas. D. D. Nikulin. Bezop. truda v prom. 7 no. 5:7-8 My '63.

## GAS PIPES

Organizing work of line walkers of oily gas mains. V. A. Smirnov, A. I. A. Cherkasova. Gaz. prom. 11 no. 11:26-29 '66.

## GAS PRODUCERS

Studying the methods of the output control of a free piston gas generator. B. V. Vasil'ev. Teploenergetika 6 no. 2:20-24 F '61.

## GAS TURBINE DEKS

Performance study of disks of GT-700-4 turbo-unit under conditions of steady creep. V. D. Dobrokhotoev and others. Gaz. prom. 11 no. 11:21-24 '66.

## GAS TURBINE LOCOMOTIVES

Present status of prospects for developing gas turbine traction. E. T. Bartosh. Zhel. dor. transp. 48 no. 11:34-40 N '66.

## GAS TURBINES

(see also subdivision under Switzerland)

Experimental study of the heat transfer in the external gland zone of gas turbines. F. I. Sheinin. Energomashinostroenie 7 no. 1:25-27 Ja '61.

Lengthwise ribbed tubular surfaces for regenerators and water preheaters of gas turbine systems. O. A. Kuznetsov, N. V. Zorulia, A. A. Khazin. Energomashinostroenie 7 no. 1:5-8 Ja '61.

Thermodynamic study of the indices of high-temperature gas turbine engines under conditions of partial loading. N. S. Zhdanovskii, A. I. Kovigin, V. S. Shkurbak. Zap. LSKII 95:45-53 '63.

## GAS TURBINES—COOLING

External steam and evaporation cooling of gas turbine blades. V. A. Zhelezov, V. S. Davydov. Energomashinostroenie 7 no. 1:28-30 Ja '61.

Selecting the optimum air temperature behind the air coolers of gas-turbine systems. V. A. Shvarts. Energomashinostroenie 7 no. 1:36-38 Ja '61.

## GAS TURBINES—TESTING

Studying gas turbine stages with a low  $D_{opt}/D$  ratio. Kh. L. Babenko. Teploenergetika 8 no. 2:21-28 F '61.

Testing the performance of the v-ribbed rotor of the experimental GTU-700 type gas turbine developed by the Central Scientific and Research Institute of Technology and Machinery. A. P. Dinarman, G. N. Mermov, V. A. Tonopov. Energomashinostroenie 7 no. 1:31-34 Ja '61.

## GAS WELL DRILLING see subdivision under Shebelinka; Ukraine

## GAS WELL LOGGING, RADIATION see subdivision under Yakutia

## GAS WELDING AND CUTTING

Organization of repair of equipment for flame working of metals. E. L. Zhilina, V. E. Krivenko. Mont. i. spets. rab. v. st. 28 no. 12:33-24 D '66.

## GAS WELLS—ACIDIZATION see subdivision under Shebelinka Gas Field

## GASEOUS PLASMA see Plasma (Ionized gases)

## GASES

Effect of pressure and of composition of air blast on gas formation process during the gasification of liquid fuels. V. S. Abramkin, G. V. Kiriukhin. Trudy IGI 18:119-127 '62.

Exothermic reaction zone in one-dimensional shock wave in gas. R. I. Solonikhin. Fiz. gor. i. vzryva no. 3:12-18 '66.

Adiabatic volumes of nitrogen-hydrogen mixtures containing methane, argon, and ammonia. D. S. Tskits, L. R. Linsht, I. B. Rodkina, Zhur. fiz. khim. 40 no. 11:2015-2018 N '66.

## GASES—ANALYSIS

Composition of gases obtained in the high-speed pyrolysis of some high molecular weight substances. I. F. Bogdanov, M. L. Mischenko, I. I. Faibarov. Trudy IGI 18:20-33 '62.

Torocheshnikov, N. S., and V. A. Semenova. [Methods of analysis of combustible gas mixtures] Metodika analiza goruchikh gazovykh smesei. Moskva, Mosk. khimiko-tehnologicheskii in-t, 1965, 27 p. [MICROFILM]

## GASES—ABSORPTION AND ADSORPTION

Ramm, V. M. [Absorption of gases] Absorbtsiia gazov. Moskva, Khimika, 1966, 787 p.

## GASES—COMBUSTION

Effect of solubility of gaseous decomposition products on laws governing combustion of condensed substances. O. B. Iakusheva, E. I. Maksimov, A. G. Merzhanov. Fiz. gor. i. vzryva no. 3:125-126 '66.

Studying normal flame velocity of methane-air mixtures at high pressures. V. S. Babkin, L. S. Kozachenko. Fiz. gor. i. vzryva no. 3:77-86 '66.

## GASES—PURIFICATION

Purifying pyrolysis gas of acetylene compounds by amine. L. V. Taiman, R. G. Stepanov, N. N. Ostankova. Khim. i. tekhn. topl. i. masel. 11 no. 11:13-15 N '66.

Results of the testing of multipolar electric filters. N. G. Zalogin, I. L. Tarnavskii, G. S. Chikanov. Teploenergetika 8 no. 2:29-35 F '61.

## GASES—SEPARATION

(see also subdivision under Bittkov Oil Field)

A wider introduction into industry of low temperature separation of gas. I. U. N. Ovejanikov. Bezop. truda v prom. 7 no. 6:5-7 My '63.

## GASES—THERMODYNAMICS

Equation of state of real gas and liquid in approximation of modified self-consistent field. I. P. Bazarov, Zhur. fiz. khim. 40 no. 11:2749-2752 N '66.

## GASES, ASPHYXIATING AND POISONOUS

Establishing standards for the poisonous gas contents in explosion products. B. D. Ross. Bezop. truda v prom. 6 no. 5:22-24 My '62.

## GASES, COMPRESSED

Measurement of molar volumes of gases in gas mixtures at high pressures. U. S. Tskits, L. R. Linsht, I. B. Rodkina. Zhur. fiz. khim. 40 no. 11:2623-2628 N '66.

## GASES, RARE

Computation of the energy of neon and argon adsorption by zeolite NaA. P. Borel, A. V. Kiselev, A. A. Lopatin. Dokl. AN SSSR 171 no. 5:1126-1129 D '66.

## GASES IN SOILS

Soil respiration as one of indices of its biological activity. A. Sh. Gelshteyn. Soob. Lab. agroklim. AN Arm. SSR no. 1:31-43 '61.

## GASES IN PLANTS see Plants, Gases in

## GASES IN THE BLOOD see Blood, Gases in

## GASOLINE

High temperature oxidation of natural gasoline. S. F. Vasil'ev, A. M. Mosin. Trudy IGI 18:110-114 '62.

Oxidative pyrolysis of low-octane gasolines. S. F. Vasil'ev, A. M. Mosin, M. A. Lipides. Trudy IGI 18:115-116 '62.

## GASOLINE—ANTI-KNOCK AND ANTI-KNOCK MIXTURES

New dyes for ethyl fluid and ethylated gasolines. E. I. Zablinskii and others. Khim. i. tekhn. topl. i. masel. 11 no. 11:52-51 N '66.

## GASOLINE SERVICE STATIONS see Service stations

## GASTRIC FISTULA see Fistula, Gastric

## GASTRIC JUICE

Gastric secretion following the chronic action of small concentrations of hydrocarbons. G. S. Aliev. Azerb. med. zhur. 40 no. 2:21-30 F '63.

A simple method for the continuous recording of gastric juice flow. L. V. Titov. Dokl. AN BSSR 6 no. 6:389-391 Je '62.

## GASTRIC JUICE—THERAPEUTIC USE

Effectiveness of the use of gastric juice. Kh. K. Karamov, M. I. Matin. Veterinaria 13 no. 11:62 N '66.

## GASTROENTEROLOGY—CONGRESSES

Constituent Conference of All-Union Society of Gastroenterologists, June 8-10 1966, Minsk. K. I. Shukova. Sov. med. 29 no. 12:137-138 D '66.

## GASTROINTESTINAL HEMORRHAGE

Combination of ulcerous gastrointestinal hemorrhages with perforated ulcers. E. V. Lutshevich. Sov. med. 26 no. 3:32-35 Mj '63.

Differential diagnosis and the treatment of acute gastric hemorrhages. F. G. Uglov, S. S. Sokolov. Trudy Inst. im. N. V. Sklif. 7:62-68 '63.

Gastrointestinal hemorrhages of nonulcerous etiology. B. A. Petrov, E. I. Gelpurin. Trudy Inst. im. N. V. Sklif. 7:33-38 '63.

Hemorrhage from gastric and duodenal ulcers. B. Batiary. Trudy Inst. im. N. V. Sklif. 7:74-76 '63.

Limits for radicalism in the surgical treatment of perforations and ulcerous hemorrhages. A. T. Lidskii. Trudy Inst. im. N. V. Sklif. 7:53-58 '63.

Surgeon's tactics in profuse hemorrhage of an ulcerous nature. I. K. Pipin, A. L. Kurtskizze. Trudy Inst. im. N. V. Sklif. 7:68-74 '63.

Surgeon's tactics in ulcerous hemorrhages. B. A. Petrov, I. I. Kuchenko. Trudy Inst. im. N. V. Sklif. 7:26-33 '63.

## GASTROINTESTINAL MOTILITY

Dynamics and mechanisms of the motor activity of an autotransplanted intestinal segment. V. P. Kulik and others. Trudy i. go. VMI 49:159-167 '66.

Effect of some pharmacological substances on functional disorders of the gastrointestinal tract in experimental radiation sickness. L. R. Photos, A. M. Rusinov, A. A. Danilin. Vop. radiobiof. 4:379-385 '61.

Motor function of the stomach following resection of the cardiac portion for cancer. V. I. Zheleznyi, S. S. Morozov. Sov. med. 28 no. 12:26-30 D '66.

## GASTROPODA, FOSSIL see subdivision under Taktitau

## GAUGES

How much is between the coils, ? Izobr. i. rats. no. 12:4 '66.

## GAVANKA VALLEY—GEOLOGY, STRUCTURAL

Recent tectonics in the basins of the Avacha, Gavenka, and Malacheva Rivers. S. E. Aprelkov. Vop. geog. Kachin. 3:75-81 '66.

## GAVRO, LAIOGH MATVEEVICH, 1894-1937

Tsentral'nyi Muzei Vozrozhdennykh SH SSSR. Laiozh Gavro. Moskva, 1966, 26 p.

## GAY REGION (ORENBURG PROVINCE)—COPPER MINES AND MINING—SAFETY MEASURES

Estimating the strength of pillars in underground mining of Gay copper pits deposit. B. V. Vol'pin, A. I. Mokhov. *Tekhn. i. Stroy. Gos. Stroy. no. 12-24-27 D '66*

## GEAR-SHAPING MACHINES

Semi-automatic model GSA-1 machine for gear cutting. Ind. i. Stroy. VDNKh no. 8-14-15 Ig '62

## GEAR, G

Arrangement of reducers. M. B. Gromin. *Vest. Mashinost. 46 no. 12-13-15 D '66*  
Calculation and design of gears for automatic spring cutting machines. V. I. Pavlov. *Nauch. i. Stroy. ENK'Vsha no. 14-143-148 '66*

## GEESSE—DISEASES AND FESTS

Results of studying the infectious enteritis of geese. L. M. Fortunavskaya and others. *Veterinariya 43 no. 12-31-36 D '66*

## GELATIN

Effect of temperature on the adsorption of colloidal particles sensitized by gelatin at hydrocolloid-solid interface. L. N. Kalitina, I. P. Kosovskaya, L. D. Shkret. *Khimiya 28 no. 6-37-839 N-D '66*  
Role of gelatin concentration during the emulsification of fine-grained emulsions. V. V. Vasil'ev, K. S. Lialitov. *Zhur. nauch. i. Stroy. no. 7 no. 2-146-148 N-D '66*

GENERALIZED INTEGRALS see Integrals, Generalized

GENERALIZED SPACES see Spaces, Generalized

## GENERATIVE ORGANS

Isolation of aerobic vibrios from the sex organs of heid. L. A. V. Golikov, N. V. Batuta. *Veterinariya 43 no. 12-31-36 Ja '67*  
Some biochemical characteristics of maturation dynamics of gonads in various fish species. L. I. Sokolov, M. I. Shatunovskii, K. V. Shust. *Vest. Mosk. un. Ser. 6 Biol. i. Stroy. no. 4-26-34 N-D '66*

## GENERATIVE ORGANS, FEMALE—CANCER

Comparative evaluation of culdo- and laparoscopic methods in the diagnosis of cancer of female genitalia. D. V. Nikolaeva. *Vop. onk. 12 no. 11-77-79 '66*  
Late radiation lesions of the urinary bladder and rectum following combined radiotherapy of female genitalia. A. P. Koshman. *Klin. onk. no. 164-68 '65*

## GENERATIVE ORGANS, FEMALE—DISEASES

Significance of rectosigmoidoscopy in the examination of gynecological patients. A. S. Ol'shanetskiy. *Vop. onk. 12 no. 11-81-83 '66*  
Treatment of gynecological diseases in cows. A. A. Dornovoi. *Veterinariya 43 no. 11-74-75 N '66*

## GENETIC RESEARCH

Changes in the activity of some enzymes in the blood serum of relatives of children with myopathy. L. P. Grin'ko. *Vop. med. khim. 12 no. 6-600-603 N-D '66*  
Genetic mechanisms in malignant neoplasms and leukemias. N. N. Kolosova. *Vop. onk. 12 no. 12-31-39 '66*  
Protein fractions of the blood serum in families of patients with subarachnoidal and intracerebral hemorrhages. E. F. Davidenkova, N. N. Kolosova, V. V. Grigorieva. *Zhur. nevrolog. 67 no. 16-13 '67*  
Study of the methods of inhibiting the unsuitability to homotransplants in adult mice in strong and weak genetic differences of the donor and recipient. V. I. Govallo. *Trudy I-go AMM 49:19-26 '66*

## GENETICS

Genetics in the era of the cosmos. L. Golovanov. *V. i. i. Stroy. 6 no. 11-9 N '66*  
Problems of genetics. S. Skovron. *Priroda 55 no. 12-13-21 '66*

Vavilov, N. I. [Genetics and agriculture] *Genetika i sol'skoe khoz. i. Stroy. no. 1*  
Sol'skoe khoz. i. Stroy. no. 1  
1987, 60 p. (Novoe v zhizni, nauke, tekhnike, Vserilsk. Sol'skoe khoz. i. Stroy. no. 1)

## GENETICS—CONGRESSES

Work of the Section of Biochemical Genetics at the Fifth International Biochemical Congress. K. V. Koslov. *Mikrobiologiya 31 no. 5-951-952 S-O '62*

## GENITOURINARY ORGANS—DISEASES

Clinical aspects and treatment of genitourinary echinotomiasis. N. S. Zal'nova. *Med. paraz. i. Stroy. 31 no. 5-530-533 S-O '62*  
Distribution of urogenital echinotomiasis (bilharziasis) among children in the Republic of Iraq. N. A. Guseynova. *Azerb. med. zhur. 40 no. 3-55-61 Mr '63*

## GENOCIDE

Nersisyan, M. G., ed. [Genocide of the Armenians in the Ottoman Empire, collection of documents and materials] *Genotsid arman v Osmanskoi imperii, sbornik dokumentov i materialov. Zvezdan, Izd-vo AN Armianskoi SSR, 1966. 560 p.*

## GEOCHEMICAL PROSPECTING

Beus, A. A. [Studying geochemical specialization of geological complexes for the purposes of regional prognostics] *Izucheniye geokhimicheskoi spetsializatsii geologicheskikh kompleksov dlia isleli regional'nogo prognozirovaniya. Moskva, Gos. geol. kom. i. Stroy. 1965. 104 p.*

[MICROFILM]

Buccs, A. A., and S. V. Gilevskiy. [Using methods of mathematical statistics in geochemical prospecting] *Ispol'zovanie metodov matematicheskoi statistiki pri geokhimicheskikh poiskakh. Moskva, Gos. geol. kom. i. Stroy. 1963. 72 p.*

[MICROFILM]

Drilling tool for recovering core samples with retained gas content. V. V. Agodkov, A. V. Takh, I. I. Tolokhov. *Mash. i. Stroy. no. 9-3-5 '66*

Glazovskaya, M. A. [Practice in studying secondary dispersion halos in geochemical prospecting] *Opyt izucheniya vtorichnykh dispersnykh zaslaneli pri geokhimicheskikh poiskakh. Moskva, Gos. geol. kom. i. Stroy. 1965. 82 p.*

[MICROFILM]

Goleva, G. A. [Hydrochemical method of prospecting for ore deposits] *Gidrokhimicheskii metod poiskov rudnykh mestorozhdenii. Moskva, Gos. geol. kom. i. Stroy. 1965. 91 p.*

[MICROFILM]

Grabovskaya, L. I. [Biogeochemical prospecting methods] *Biogekhimicheskii metody poiskov. Moskva, Gos. geol. kom. i. Stroy. 1965. 65 p.*

[MICROFILM]

Lanishevskiy, E. M. [Geochemical prospecting methods based on primary halos] *Geokhimicheskii metody poiskov po pervichnym i. Stroy. 1965. 59 p.*

[MICROFILM]

Partial coefficients of correlations in geochemical prospecting. L. M. Gorbunova, I. N. Kapkov. *Zap. LGI 50 no. 2-117-120 '66*

Solovov, A. P. [Methods of geochemical prospecting for ore deposits based on their secondary halos and flows of dispersion] *Geokhimicheskii metody poiskov rudnykh mestorozhdenii po ikh vtorichnym oreolam i potokam rasselaniya. Moskva, Gos. geologicheskii kom. i. Stroy. 1965. 82 p.*

[MICROFILM]

Use of lithochemical methods for evaluation of complex metal and tin ore manifestation. G. F. Kadylov. *Sov. geol. 9 no. 12-124-126 D '66*

Using the hydrochemical method in prospecting for beryllium deposits. A. I. Lisitsyn, S. I. Morozov. *Razv. i. Stroy. no. 29 no. 3-20-23 Mr '63*

## GEOCHEMISTRY

[see also subdivision under Azov Sea region; Dzungarian Alatau; Kazakhstan]  
Akademika nauk SSSR, Institut geokhimii i analiticheskoi khimii. [Geochemistry of the Valsertan intrusive complexes of the northern Tien Shan] *Geokhimia variskikh intruzivnykh kompleksov Severnogo T'ian'-Shania. [By] R. D. Gavrilin i dr. Moskva, Nauka, 1966. 240 p.*  
Alterations of granites and pegmatites under the influence of alkali-containing hydrothermal solutions at increased pressure. V. S. Bril'skiy. *Dokl. AN SSSR 171 no. 5-1175-1178 D '65*

Geochemistry of germanium as revealed by study of complex metal mineralization. V. V. Likhomirova. *Min. syr. i. Stroy. no. 14-162-166 '66*

Geochemistry of uranium and radium in surf-Pedzhar soils of White Russia. G. V. Gurskii, S. A. Tikhonov. *Dokl. AN BSSR 10 no. 10-767-768 O '66*

Problems of chemistry in studying fluids at great depths. V. M. Fokov. *Izv. vys. ucheb. zav. i. Stroy. 6 no. 1-81-89 Ja '63*

Thermodynamics of geochemical oxidation-reduction processes. N. S. Skripchenko. *Geol. i. Stroy. no. 8 no. 6-16-30 N-D '66*

## GEODESY

[see also subdivision under Novosibirsk]  
Accuracy in the solution of normal equations. V. I. Sal'nikov. *Izv. vys. ucheb. zav. i. Stroy. no. 3-43-52 '62*

Conference in the Moscow Engineering Institute for Geodesy, Aerial Photography, and Cartography. *Izv. vys. ucheb. zav. i. Stroy. no. 3-149-152 '62*

Determining the quadrants for certain basic and auxiliary values in the solution of major geodetic problems. V. A. Romanovskii. *Izv. vys. ucheb. zav. i. Stroy. no. 3-35-41 '62*

Solving geodetic problems using the "reduced azimuth." V. A. Romanovskii. *Izv. vys. ucheb. zav. i. Stroy. no. 1-41-49 '63*

Some remarks on photogrammetric method for distance determination. O. S. Moka. *Dop. AN URSR no. 11:1495-1497 '66*

## GEOGRAPHICAL RESEARCH

[see also subdivision under Kamchatka; Siberia; Soviet Far East]

Development of applied geography during the period between the Stockholm and London International Geographical Congresses (1950-1964). M. Filippono. *Dokl. i. Stroy. no. 9-13-16 '65*

Meeting of the Commission for Applied Geography of the International Geographical Union. V. B. Sokolov. *Dokl. i. Stroy. no. 9-69-71 '65*

Practical meaning of geographical research and the concept of applied geography. V. B. Sokolov. *Dokl. i. Stroy. no. 9-112 '65*

Significance of applied geography and practical research in the research of Moscow geographical. L. V. Lomonosov. *Dokl. i. Stroy. no. 9-112 '65*

## GEOGRAPHICAL SOCIETIES

[see also subdivision under Akat Territory; Kamchatka]

Activities of the M. M. Shokalskiy Section of M. M. Shokalskiy Section of Geography and Cartography in 1961. I. B. L. i. Stroy. no. 9-112 '65

## GEOGRAPHY—ANALYTICS

[Geography] *Ref. zhur. i. Stroy. no. 1-2 Ja-F '67*

## GEOGRAPHY—MESOCLANEA

[The land and the people, geographical calendar for 1967] *Zemlja i. Stroy. no. 1-2 Ja-F '67*

## GEOGRAPHY—STUDY AND TEACHING

Work on practicalities in conducting practical work of students on the school geography plot. M. I. Gorbunov, A. G. Likhonov. *Izv. vys. ucheb. zav. i. Stroy. no. 3-35-41 '62*

## GEOGRAPHY, COMMERCIAL

Simulation of the disposition of the commercial network. I. S. Mikhlin. *Vest. Mosk. un. Ser. 5: Geogr. 21 no. 4-7-10 N-D '66*

## GEOGRAPHY, ECONOMIC

[see also subdivision under Economic Geography; Siberia; Eastern; Transbaikalia; Vietnam, North]

Glazov, R. A., and others. [Economic map of the world] *Poliiticheskaya ekonomicheskaya karta mira. Moskva, Voen. izd-vo, 1961. 421 p. maps. (CST-13)*

## GEOGRAPHY, MATHEMATICAL

Mathematization and the geographical method. V. A. Mikhlin. *Vest. Mosk. un. Ser. 5: Geogr. 21 no. 4-7-10 N-D '66*

On mathematical geography. M. L. Tselin. *Vest. Mosk. un. Ser. 5: Geogr. 21 no. 6-36-37 N-D '66*

## GEOKHAY VALLEY—ROCKS, SEDIMENTARY

Lithology of Akchalyi sediments in the Geokhaya Valley. A. I. Akhiev. *Dokl. AN Arm. SSR 10 no. 5-55-60 '62*

## GEOLOGICAL MODELING

[see also subdivision under Romanashino Oil Field]

## GEOLOGICAL RESEARCH

[see also subdivision under Palmer Peninsula, Antarctica; Turkmenistan]

Geologists in the service of their country. D. A. Chernomukhin. *Trudy VGI 64:138-148 '65*

## GEOLOGICAL SURVEYS

Geological documentation. A. P. Prokofiev. *Mat. i. Stroy. no. 4-24-28 '66*

Using paragenetic analysis in geological surveying. B. M. Ronenkov. *Min. syr. i. Stroy. no. 11-65-126 '66*

## GEOLOGICAL TIME

[see also subdivision under Aliverdi region, Armenia; Caucasus, Northern; Dzungar Valley; Kuznetsk Alatau; Turkmenistan; Ural Mountains]

Comparison of the millimetric scale of the continental Pleistocene with the millimetric scale of deep-sea sediments and the curve of solar radiation. V. A. Zubakov. *Dokl. AN SSSR 171 no. 5-1153-1155 N '66*

## GEOLOGISTS

Geologists in the service of their country. D. A. Chernomukhin. *Trudy VGI 64:138-148 '65*

## GEOLOGY

[see also subdivision under Argun Valley; Bol'shaya Shora Valley; Carpathian Mountains; Caspian Lowland, Chulyum-Yantsoy Lowland; Chusovaya Valley; Izov Province; Uzbekistan; Uzh Valley]

Development of concepts of geological space on basis for using mathematics in geology. M. A. Kozlov. *Izv. AN SSSR, Ser. geol. 31 no. 12-17-24 D '66*

Hypothesis in geology. I. A. Iurman. *Trudy VGI 64:120-131 '65*

Mathematics and geological sciences. A. M. Zhuravskii. *Zap. LGI 50 no. 2-3-6 '66*

## GEOLOGY—BIBLIOGRAPHY

Geology

## GEOLOGY—CLASSIFICATION

Mathematical and logical treatment of geological classifications. M. A. Voronin. *Geol. i. Stroy. no. 9-13-16 '65*



## GEOLOGY—CONGRESSES

All-Union Conference of Geologists S F Apieikov  
Vop. geog. Kamch. no. 134 '65

Seventh Traditional Scientific-Sports Conference of Young Scientists of Republics of Central Asia and Kazakhstan with participation of Siberian Branch of Academy of Sciences of U.S.S.R. G. L. Kushiev, K. T. Talyshiev.  
Izv. AN Kazakh. SSR Ser. geol. 23 no. 5:55-96 S-O '66

## GEOLOGY—FIELD WORK

(see also subdivision under Novosibirsk)

Shalimov, A. I. [On the threshold of great secrets] Na poroge velikikh lain. Moscow, Mysl', 1966. 294 p. [Puteshestviya, priklucheniya, fantastika]

GEOLOGY—MAPS see subdivision under Altai Mountains

GEOLOGY—STUDY AND TEACHING see subdivision under Crimea

## GEOLOGY, STRATIGRAPHIC

(see also subdivision under Caspian Sea region; Caucasus; Caucasus, Northern; Central Chonozem region; Dagestan; Dardzha Peninsula, Dnieper-Donets Lowland; Dobrush region, White Russia; India; Kama Valley; Kamchatka; Kara Kum; Kazakhstan; Kopetdag; Kugliang, Kunashir Island; Kulliang-Tau; Margab Oasis; Margab Valley, Oka-Don Lowland; Russia, Southern; Russian Platform; Siberian Platform; Tajik Depression; Tatar A.S.S.R.; Tschchen Valley; Transbaikalia; Turkmenistan; Voronezh Province; Vyatka Valley; West Siberian Plain; White Russia)

Detailed stratigraphy of sediments of Velghe series of Lower Triassic based on Ostroecoda R. M. Mishina  
Izv. AN SSSR Ser. geol. 31 no. 12:95-112 D '66

More about problem of Rheilian and upper boundary of Permian stage I. I. Tschkov Izv. AN SSSR Ser. geol. 31 no. 12:113-117 D '66

## GEOLOGY, STRUCTURAL

(see also subdivision under Afghanistan; Altai Mountains; Apshai on Peninsula; Aral Sea region; Avacha Valley; Azerbaijan; Balkal-Patom Plateau; Bulgaria, Carpathian Mountain region; Caucasus; Dardzha Peninsula; Dnieper-Donets Lowland; Dzungarian Alatau; Kazakhstan; Kola Peninsula; Krivoy Rog Basin; Kyauveng; Mongolia; Moscow Basin; Nalchcheva Valley; Obkhotsk Sea region; Russian Platform; Saratov Province; Shelikovo Bay; Tajikistan; Taymyr Peninsula; Tien Shan; Transbaikalia; Transcarpathia; Ural Mountain region; Ural Mountains; Ural Valley; Volga Valley; Volgograd Province)

Conference on the problems of structural geology V. S. Zaita-Novatskiy, E. I. Antonuk. Neft i gaz prom. no. 3:56-67 JI-S '63.

Recent tectonics as indicator of anomalous thickness of earth's crust V. G. Rikhter, I. S. Volynovskiy Sov. geol. 9 no. 12:118-123 D '66

Relation of mud volcanoes to subsurface tectonics, R. R. Rakhmanov Azerb. neft khoz. 12 no. 7:10-12 JI '63

Role of tectonic conditions in formation of sedimentary-infiltrated uranium deposits, A. I. Pak, Uzb. geol. zhur. 10 no. 5:52-58 '60.

## GEOLOGY, STRUCTURAL—CHARTS, DIAGRAMS, ETC.

Theory of constructing intermediate geological documents I. G. Klushin Zap. LGE 50 no. 2:39-48 '65.

## GEOLOGY, STRUCTURAL—CONGRESSES

Conference on formation of ferruginous chert and jaspilite of the Precambrian I. A. N. Belevtsev, B. I. Goroshnikov, N. A. Kozlov. Geol. iud. mestorozh. 8 no. 6:113-115 N-D '66.

Conference on the geomorphology and recent tectonics of Siberia and the Far East, A. F. Sviatlovskiy Vop. geog. Kamch. no. 3:135 '65

Vesoluzhenie vulkanologicheskoe sovoshchaniye, 2d, Petro-pavlovsk-Kamchatskiy, 1964. [Volcanism and the subsurface structure of the earth, transactions] Vulkanizm i glubinnoe stroenie Zemli, Irudy, Moskva, Nauka, Vol. 3, 1960, 118 p.

GEOLOGY, STRUCTURAL—MAPS see subdivision under Transcarpathia

## GEOMETRICAL DRAWING

Developing the students' drawing and designing skills during modeling classes A. S. Rodionov Uch. zap. Ped. inst. Gerts. 260:302-319 '65

Exercises in geometrical drawing in eight-year schools M. A. Shchukina Uch. zap. Ped. inst. Gerts. 260:246-271 '65.

GEOMETRICAL OPTICS see Optics, Geometrical

## GEOMETRY—STUDY AND TEACHING

Experience in modeling of circular bodies from plaster, V. P. Dregunas Uch. zap. Ped. inst. Gerts. 260:341-356 '65.

Laboratory work in geometry in the seventh and eighth grades, A. S. Rodionov Uch. zap. Ped. inst. Gerts. 260:330-340 '65

Sections of dihedral angles L. P. Kompanits Uch. zap. Ped. inst. Gerts. 260:91-101 '65

The subject of "Like figures" in a geometry course in eight-year schools M. M. Shidlovskiy Uch. zap. Ped. inst. Gerts. 260:291-301 '65

## GEOMETRY, ANALYTIC

Kostareva, Z. G. [Analytic geometry] Analiticheskaya geometriya: uchebnoye posobie. Leningrad, Severo-Zapadnyy nauchnyy politekhn. in-1, 1965. 258 p. (Uchebnoye televidenie)

[MICROFILM]

Shcherbakov, R. N., and V. S. Malakhovskiy. [Short course in analytic geometry] Kratkii kurs analiticheskoy geometrii Tomsk, Izd-vo Tomskogo univ., 1964. 380 p.

## GEOMETRY, ANALYTIC—PLANE

Ornev, I. A. [Analytic geometry on a plane; textbook for students of the Faculty of Mechanization of Agriculture of the Novosibirsk Agricultural Institute] Analiticheskaya geometriya na ploskosti: uchebnoye posobie dlya studentov fakul'teta mekhanizatsii sel'skogo khozyaystva NSKhM Novosibirsk, Zapadno-Sibirskoye knizhnoye izd-vo, 1965. 110 p.

## GEOMETRY, PROJECTIVE

Reciprocal projections P. V. Filippov. Zap. LGI 39 no. 3:81-84 '61  
Representation of images of multidimensional spaces by orthogonal vector projectors P. V. Filippov Zap. LGI 39 no. 3:95-108 '61

## GEOMETRY, SOLID—STUDY AND TEACHING

Elementary instruction on solid geometry in eight-year schools Kh. B. Abugova Uch. zap. Ped. inst. Gerts. 260:272-290 '65

## GEOMORPHOLOGY

(see also subdivision under Altai Mountain region; Muzunda Valley; Sahli Range; Svicha Valley; Turkmenistan; Voronezh Province)

Determining the gradient of slopes and the manner of occurrence of rock beds from aerial photographs V. M. Voevoda, Izv. vys. ucheb. zav. geod. i aerof. no. 3:115-120 '62.

## GEOPHYSICAL INSTRUMENTS

(see also subdivision under Bashkiria)  
1-5 single-spot inclinometer, N. A. Rudenko, Neft i gaz prom. no. 1:73-74 Ja-Mr '63.

## GEOPHYSICAL RESEARCH see subdivision under

Antarctic regions; Dickson Island

## GEOPHYSICS—ABSTRACTS

[Geophysics] Ref. zhur. Geofiz. nos. 1-2 Ja-F '67.

## GEOPHYSICS—CONGRESSES

Fifth All-Union Technological Conference on Geophysics Geol. i geofiz. no. 11:61 '63.

## GEORGIA—ATMOSPHERIC TEMPERATURE

Middle-range weather forecasting for mountainous countries as revealed by study made in western Georgia D. A. Mdinnadze Meteor. i gidrol. no. 12:36-40 D '66

## GEORGIA—BOTANY, MEDICAL

Orthosiphon stamineus in subtropics and its use in medicine, N. P. Svanidze, Subtrop. kul't. no. 3:118-125 '66.

Some characteristics of the formation of injurious fauna to introduced medicinal plants in humid subtropics N. V. Svanidze, N. I. Ostrovskiy Zool. zhur. 45 no. 11:1640-1643 '66

## GEORGIA—CHANNELS (HYDRAULIC ENGINEERING)

Georgian highway transport workers in channel construction, L. Vardishvili, Avi. transp. 44 no. 12:13 D '66.

## GEORGIA—COAL MINES AND MINING

High in the mountains, P. Bakia Sov. shakht. 12 no. 4:20 Ap '63

## GEORGIA—DRAINAGE

Effect of mole drainage on the conditions of ground waters, A. A. Makhivadze, Subtrop. kul't. no. 3:126-132 '66

## GEORGIA—HISTORY

Akademiya nauk Gruzinskoy SSR, Institut istorii, arkheologii i etnografii, [Georgia; a brief historical study] Gruzia: kratkii istoricheskiy ocherk, Tbilisi, Metsniereba, 1960, 60 p.

## GEORGIA—ICI

Gloze regionalization of Georgia, G. I. Chirakadze Trudy Zaknigmi no. 11:60-68 '63

## GEORGIA—IRRIGATION FARMING

Methodology of compiling prognosis of times and norms of watering grain crops for irrigation regions in eastern Georgia V. F. Svanidze Trudy Zaknigmi no. 11:67-78 '63.

## GEORGIA—JOURNALISM

Tshetadze, Iosif. [From the history of Georgian public opinion, the Georgian press and French colonial policy 1870-1900. Iz istorii gruzinskoi obshchestvennoi mysl', gruzinskaya pressa i frantsuzskaya kolonial'naya politika, 1870-1900 gg. Tbilisi, Metsniereba] 1964. 97 p. [In Georgian] (MI)

## GEORGIA—MEMORIALS

On memorial sites of Shota Rustaveli G. Robitashvili Avi. doi. 29 no. 12:28-29 D '66

## GEORGIA—MOTORBUS LINES—PASSENGER TRAFFIC

For better service of passengers, V. Kobetidze, Avi. transp. 44 no. 12:20-21 D '66

## GEORGIA—ORE DEPOSITS

Some characteristics of the formation and distribution of ore deposits in volcanic rocks as revealed by the study in southern Georgia V. I. Bachalidze, G. A. Tvalchvadze, Izv. vys. ucheb. zav. geol. i razv. 6 no. 1:61-72 Ja '63.

## GEORGIA—PECAN

For the extensive development of pecan growing in Georgia I. I. Chodishvili, Subtrop. kul't. no. 3:113-117 '66

## GEORGIA—PERSIMMON

Dialeurodes elaei as a pest of subtropical persimmon, A. M. Sikharulidze, L. E. Tavamalashvili Subtrop. kul't. no. 3:100-105 '66.

## GEORGIA—POULTRY HOUSES AND EQUIPMENT

Prerequisites for the use of electrical stimulation methods in poultry raising, Z. I. Goglashvili, Trudy GRUZNIMESKHA 8 no. 2:137-119 '62

## GEORGIA—RADIO PLAYS

The image of a people's singer in a radio play, I. Ombrelidze, Sov. radio i tel. 8 no. 3:26 '59.

## GEORGIA—TANGERINE

Growth, development, and fruiting of tangerine plantations as related to the methods for the reclamation of slopes, A. I. Dzhikva, Subtrop. kul't. no. 3:51-65 '66.

## GEORGIA—TEA—FERTILIZERS AND MANURES

Comparative effectiveness of various forms of phosphorus fertilizers in tea plantations O. G. Oniani Subtrop. kul't. no. 3:18-24 '66.

## GEORGIA—TEA—VARIETIES

Testing hybrid tea varieties in Ananuri, G. G. Ramishvili, Subtrop. kul't. no. 3:13-50 '66.

## GEORGIA—TILLAGE

Improving the technology of tilling soil before sowing in the humid zone of western Georgia M. M. Gugushvili Trudy GRUZNIMESKHA 3 no. 2:3-15 '62

## GEORGIA—TRANSPORTATION, AUTOMOTIVE

Georgian highway transport workers in channel construction I. Vardishvili, Avi. transp. 44 no. 12:13 D '66.

## GEORGIA—TREMATODA

Three cases of true dicercariids in man in Georgia, M. S. Gigitashvili, Med. paraz. i paraz. bol. 31 no. 5:591-592 S-O '62.

## GEORGIA—TUNG TREE—FROST RESISTANCE

Frost resistance of tung trees, A. Sh. Chanukvadze, Subtrop. kul't. no. 3:95-99 '66.

## GEORGIA IN LITERATURE

Orlovskaya, N. K. [Georgia in the literature of Western Europe in 17th-18th centuries] Gruzia v literaturakh Zapadnoi Evropy XVII-XVIII vekov. Tbilisi, 1965. 314 p.

## GEORGIAN LITERATURE—HISTORY AND CRITICISM

Mart, N. A. [Problems of the Vepkhistskasi and Vissramiani] Voprosy Vepkhistskasi i Vissramiani, Podgotovka sbornika k pochai, issledovanie, kommentarii i primechaniya I. V. Megelidze, Tbilisi, Metsniereba, 1960. 202 p. [In Russian and Georgian]

Shota Rustaveli, and his poem "The man in the panther's skin," G. N. Dalbadze, Sov. pedagog. 30 no. 12:26-33 D '66.

## GERANIOL

Identification of odorous substances, Report No. 3, S. A. Kora, E. I. Shepelinkova, E. N. Chernova, Trudy VNISNDV no. 7:149-151 '65.

## GERBILS

Specific midventral gland in gerbils, V. E. Sokolov, L. N. Skurat Zool. zhur. 45 no. 11:1739-1741 '66.

GERBILS—PARASITES see Parasites—Gerbils

# GERMAN AS CAPREHS OF DSEASE

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# GERMANICS

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GERMAN, DEMOCRATIC REPUBLIC see Germany, East

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# GERMANIUM—OPTICAL PROPERTIES

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# GERMANIUM COMPOUNDS—ELECTRIC PROPERTIES

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# GERMANIUM CRYSTALS—GROWTH

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# GERMANIUM TELLURIDE CRYSTALS—THERMAL PROPERTIES

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# GERMANY—COMMUNIST NEWSPAPERS

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# GERMANY—CONCENTRATION CAMPS

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# GERMANY—EUROPEAN WAR, 1914-1918

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# GERMANY—MILITARISM

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# GERMANY—SOCIALIST PARTY

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# GERMANY, EAST—AGRICULTURAL RESEARCH

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# GERMANY, EAST—BIBLIOGRAPHY

... ..  
... ..  
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# GERMANY, EAST—CHEMICAL INDUSTRIES—MATHEMATICAL MODELS

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# GERMANY, EAST—EDUCATION

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# GERMANY, EAST—ELECTRONIC DIGITAL COMPUTERS

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# GERMANY, EAST—ELECTRONIC DIGITAL COMPUTERS

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# GERMANY, EAST—GAS CHROMATOGRAPHY

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# GERMANY, EAST—INDUSTRIAL WASTES—POLLUTION

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# GERMANY, EAST—INTERINDUSTRY ECONOMICS

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# GERMANY, EAST—PHILOS

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# GERMANY, EAST—RAILROADS—ROLLING STOCK—TECHNOLOGICAL INNOVATIONS

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# GERMANY, EAST—ROOFS—DESIGN AND CONSTRUCTION

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# GERMANY, EAST—SOCIAL CONDITIONS

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# GERMANY, EAST—TRANSPORTATION

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# GERMANY, WEST—CRANES, DERRICKS, ETC.

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# GERMANY, WEST—ELECTRIC POWER PLANTS

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# GERMANY, WEST—FASCISM

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## GOTTER (Continued)

Functional characteristics of recent thyroidic goiter  
Z. M. Mamedov, V. M. Bakhtami. *Vestn. med. nauk*  
40 no. 4 10-15 Apr '63

## GOLD ISOTOPES—THERAPEUTIC USE

Combined treatment of gastric cancer and breast cancer  
with the use of radioactive gold. V. M. Sitenko and  
others. *Vop. onk.* 12 no. 12 10-13 '66

Use of radioactive colloid gold in pleurisy and ascites of  
tumorous origin. I. A. Chupin. *Med. rad.* 7 no. 8 63-  
40 Ag '62.

Use of radioactive colloid gold in treating oncological  
patients. T. P. Subbotina, V. I. Ivinskaya. *Med. rad.*  
7 no. 8 29-32 Ag '62

## GOLD OPES

(See also subdivision under Soviet Far East)

Assaying different age gold from the southern part of the  
Stanovoy Ridge region, Far East. G. V. Dinnar. *Geol.  
rud. mestorozh.* 8 no. 6 92-96 N-D '66

Gold ore deposit of Kolari, southern India, state of  
Mysore. I. S. Roikov. *Geol. rud. mestorozh.* 8  
no. 6 3-15 N-D '66.

Shortcomings in exploring and calculating reserves of  
"Krylovskaya-Chesnokovskaya" gold ore deposit. S. M.  
Ivanov. *Mit. GKhZ* no. 1 10-17 '66.

Some problems in geological studies on gold. G. V.  
Tosov. *Sov. geol.* 9 no. 11 10-21 N '66

## GOLDIAN DIALECT—VERB

Compound forms of the past tense in the Nanai language.  
Kim Chai Ien. *Izv. SO AN SSSR no. 9, Ser. obshchestv.*  
*nauk* no. 3 111-148 '66.

## GOLDS

(See also subdivision under Kondon, Khabarovsk  
Territory)

The land of cedars, Nomadic tents, and dried fish.  
I. U. Sennikov. *V. mira knig* 6 no. 10 28-29 O '66

## GOMEL'—CLOTHING INDUSTRY—MANAGEMENT

Under conditions of production consolidation. Z. M.  
Sukhanova. *Prom. Bel.* 9 no. 12 29-30 D '66

## GOMEL'—CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Enthusiasm for technological development. I. A. P.  
Radulina, G. I. Shevchuk. *Prom. Bel.* 9 no. 12 57-58  
D '66

## GOMEL'—PLASTICS IN THE MACHINERY INDUSTRY

Using polymer materials and wooden plastics in the  
manufacture of agricultural combines. I. M. Lipitskiy,  
Z. L. Gurevich. *Prom. Bel.* 9 no. 12 35-36 D '66.

## GOMEL'—TRACTOR INDUSTRY—FINANCE

Is such control necessary? P. Ovchinnikov. *Den. i kied.*  
24 no. 12 50 D '66

## GONADOTROPIN

Influence of chorionic gonadotropin on some oxidative  
processes in animal tissues. A. M. Kuzin, N. F. Iche-  
deva. *Probl. endok. i goim* 9 no. 1 34-39 Jan '63

Relation between the gonadotrophic function of the hypophy-  
sis and neurosecretion of the hypothalamic nuclei. A. A.  
Volkovich. *Probl. endok. i goim* 9 no. 1 119-123 Jan  
'63.

Using pregnant mare's serum to stimulate the repro-  
ductive function in cows. N. M. Riazantseva, A. A.  
Syravachova. *Veterinaria* 13 no. 11 72-73 N '66.

## GONORRHEA

Changes in the gonococci in the pus of patients under  
the effect of tetracycline; effect on microscope study.  
T. P. Esartilo. *Vest. dermat. i ven.* 37 no. 3 11-43 M  
'63

## GONTAEVA, ALEKSANDRA ALEKSANDROVNA, d. 1961

In memory of Aleksandra Aleksandrovna Gontaeva.  
*Med. pat. i para. i bol.* 31 no. 5 637-638 S-O '62.

## GOOSEBERRIES—DISEASES AND PESTS

Interrelationship between a parasite and its host at  
the earliest developmental stages of the disease. A. A.  
Bentzen. *Sbor. trud. asp. i mol. nauch. soiz. VIR* no. 2  
282-288 '61.

## GONBATOV, BORIS LEONT'EVICH, 1908-1964

Yelengurin, N. F. [Literary portraits] Literaturnye por-  
traty. [Krasnodar] Krasnodarskoe knizhnoe izd-vo,  
1966. 340 p.

## GORILLAS

Gorillas and their progeny. A. A. Shchegolev. *Prilozh.*  
55 no. 12 62-65 '66.

## GOR'KII, MAKSIM, 1898-1936

Goniosity. B. Kazanov. *V. mira knig* 6 no. 11 41  
N '66.

Shkapa, I. S. [Seven years with Gor'kii, memoirs] *Sem'*  
*let s Gor'kim, vospominaniya*. Moskva, Sovetskii  
pisatel', 1966. 380 p.

## GORKIY—AUTOMOBILE INDUSTRY—SAFETY MEASURES

Precautionary supervision in the Gorkiy Automobile  
Plant. V. Atlas, V. Parfen'ev. *Okhr. i tuda i soiz.*  
*strakh.* 9 no. 12 14 D '66.

## GORKIY—AUTOMOBILE INDUSTRY WORKERS— EDUCATION AND TRAINING

Propaganda at industrial enterprises and technological  
progress. B. Shchegolev. *Trudy GSI* no. 46 101-  
127 '63

## GORKIY—CRIME AND CRIMINALS

We are for the conditions of inviolable law and order.  
Sot. zakon no. 116-22 N '66

## GORKIY—RADIO IN SPORTS

By the hands of the activists. V. Sokolovskaya. *Sov.*  
*radio i tel.* 8 no. 3 27-28 '66.

## GORKIY—RAILROAD BRIDGES

Manufacture of reinforced concrete bridge elements at  
an open-air site. B. V. Kiselev, V. P. Korotkov, I. V.  
Tsimupa. *Transp. stroit.* 11 no. 11 23-27 N '61.

## GORKIY—REVOLUTION OF 1905

Nikol, V. V. [They called to the barricades] *Oni zvali*  
*na barrikady*. [Gor'kii] Volgo-Vlatskoe knizhnoe izd-  
vo, 1965. 165 p. (Nizhegorodetsko-revolutsionnoye)  
(CS-11)

## GORKIY—SHIGELLA

Study of nontyping cultures of *E. coli* dysenteriae mic-  
robes isolated in Gorkiy, author's abstract. L. A.  
Ippolitova. *Zh. mikrobiol. i epid. i immunit.* 33 no. 6  
88-90 '62

## GORKIY PROVINCE—BLOOD—COLLECTION AND PRESERVATION

Organization of blood supply service in Gorkiy Province.  
N. A. Klimova. *Probl. gemat. i perel. krovi* 8 no. 2  
53-58 F '63

## GORLOVKA (DONETSK PROVINCE)—COKE INDUSTRY— BY-PRODUCTS

Production of phthalic anhydride at Gorlovka By-Product  
Coke Plant. V. I. Filipov and others. *Koks i khim.*  
no. 10 48-49 '66

## GORNO-ALTAI AUTONOMOUS PROVINCE—TEXTILE INDUSTRY

Excellent fabrics for Soviet people. A. Zinov'ev. *Tekst.*  
*prom.* 26 no. 12 71 D '66.

## GORNO-ALTAYSK—PERENNIALS

Characteristics of the phenological development of peren-  
nial flowers in the piedmont and forest-steppe zones of  
the Altai Territory. I. V. Vereshchagina. *Izv. Alt. otd.*  
*Geog. obshch. SSSR* no. 3 79-83 '63

## GORODKOV, BORIS NIKOLAEVICH, 1890-1953

From the history of ideas in geobotany and landscape  
science, on the 75th anniversary of B. N. Gorodkov's  
birth. *Dokl. Inst. geog. Sib. i Dal'. Vost.* no. 10 83-73  
'65.

## GOTALOV-GOTLID, ARTEMII GRIGOR'EVICH, 1866-1960

The scientific and educational work of A. G. Gotalov-  
Gottlib. F. I. Goldin. *Sov. pedagog.* 30 no. 12 101-  
105 D '66.

## GOURDS see subdivision under Kiev Region

## GOVERNMENT BUSINESS ENTERPRISES—LAW AND LEGISLATION

Legal problems concerning the participation of workers  
in the planning of economic development. IE. Monas-  
tyrskiy. *Rad. pravo* 29 no. 12 59-62 D '66

## GOVERNMENT OWNERSHIP see subdivision under Africa

## GOVERNORS (MACHINERY)

Regulation of the output of turbogenerators operating in  
a power system. B. P. Murganov. *Teploenergetika* 8  
no. 2 9-13 F '61.

Studying the methods of the output control of a free  
piston gas generator. B. V. Vasil'ev. *Teploenergetika*  
8 no. 2 20-24 F '61.

## GRADERS (EARTHMOVING MACHINERY)

Testing the D-505 grader-elevator. D. D. Galochkin.  
*Stroitel. mash.* 8 no. 8 8-10 Ag '63

## GRADING AND MARKING (STUDENTS)

Once again about school grades. N. Skolov. *Nar. obr.*  
no. 12 81-83 D '66.

## GRAFTING

Effect of preliminary grafting on the growth of pollen  
tubes in crossing tomato with the black nightshade. I. A.  
Samsonova. *Trudy Inst. gen.* no. 26 93-97 '62.

Method of injecting foreign endosperm. N. A. Scholev.  
*Sbor. trud. asp. i mol. nauch. soiz. VIR* no. 2 321-327  
'61.

Results of the study of physiological and biochemical  
changes in lemon seedlings grafted on Citrus ichan-  
genis. G. D. Chikhaizov. *Sbor. trud. asp. i mol.*  
*nauch. soiz. VIR* no. 2 270-276 '61.

Sexual and vegetative hybrids of the genus *Triticum*.  
I. L. Poltsikh. *Sbor. trud. asp. i mol. nauch. soiz. VIR*  
no. 2 48-50 '61.

Studying the progeny from seeds of tomato grafted  
on Cythomandra. V. A. Vnitchkova. *Trudy Inst. gen.*  
no. 26 85-92 '62

## GRAIN

(See also subdivision under Tselinograd Province;  
Ural'sk Province; Volynsk Province)

Morphological and physiological analysis of the varieties  
of long-day and short-day crops sown in different geo-  
graphical regions and under different light conditions.  
M. I. Rybakova. *Trudy Inst. gen.* no. 26 30-45 '62

## GRAIN—CLEANING

From the practices of the operation of the VO-30 grain  
cleaner. M. Shaferman. *Muk. elev. prom.* 32  
no. 11 27 N '66

## GRAIN—FERTILIZERS AND MANURES see subdivision under Kuybyshev Province

## GRAIN—FIELD EXPERIMENTS

Methodology for planning field experiments in variety  
testing. V. G. Vol'f, P. P. Lutin. *Sel'khoz. biol.* 1  
no. 6 911-919 '66.

## GRAIN—MILLING see subdivision under Mligorod District

## GRAIN—TRANSPORTATION

Green light to the new crop. *Rech. transp.* 21 no. 7 1-2  
J1 '62

## GRAIN ELEVATORS see subdivision under Kalinin

## GRAIN HANDLING see subdivision under Lvov Prov- ince; Novos Province

## GRAIN PRODUCTS see Cereal products

## GRAIN TRADE

50th anniversary of the Great October. *Muk. elev.*  
*prom.* 32 no. 11 1-2 N '66

## GRAIN TRADE—SAFETY MEASURES

Petrov, L. M. [Textbook on safety measures] *Uchebnoe*  
*posobie po tekhnike bezopasnosti*. Moskva, Kolos, 1966.  
184 p.

## GRAMICIDIN

Effect of gramicidin C on phosphorus metabolism of  
*Bacillus brevis* O-13. V. M. Glazer, S. A. Silaeva, S. V.  
Shestakov. *Biokhimiya* 31 no. 6 1335-1341 N-D '66

Effect of gramicidin S on oxidative phosphorylation and  
respiration in rat liver mitochondria. R. A. Zviagil'-  
skaya, A. V. Kotelnikova. *Biokhimiya* 27 no. 5 849-  
852 S-O '62.

Study of the physiology of metabolism and morphology of  
*Bacillus brevis* var. G. B. as related to the biosynthesis  
of gramicidin-C. V. V. Korshunov. *Mikrobiologiya* 31  
no. 5 820-826 S-O '62.

Usefulness of cottonseed oil as a solvent for gramicidins.  
N. E. Berent. *Apt. dolo* 12 no. 1 70-72 Ju-F '63

## GRANIN, DANIIL ALEKSANDROVICH, 1910-

Responsibility of talent. V. Sinillo. *Nov. mi* 30  
no. 3 208-223 M '63.

## GRANITE see subdivision under Azov Sea region; Kazakhstan; Kuznetsk Alatau; Transbaikalia; Yenisey Range

## GRANITE—ANALYSES

Liskovich, V. V. [Efficient methodology for extraction  
of necessary minerals from granitoids] *Ratsional'naya*  
*metodika izvlecheniya aktsessornykh mineralov*  
iz granitoidov. Moskva, Nedra, 1966. 45 p.

## GRANITE INDUSTRY

Kucheravly, F. I., R. S. Krysin, and I. P. Burkov. [Im-  
proving the technology of working granite quarries]  
*Sovershenstvovanie tekhnologii razrabotki granitnykh*  
*kar'erov*. Pod red. F. I. Kucheravogo. Kiev, Tekhnika,  
1966. 207 p.

## GRANULAR CONJUNCTIVITIS see Conjunctivitis, Granular

## GRAPE BREEDING

Inheritance of some morphological characters in hybrid  
grape seedlings. A. A. Rumiantseva. *Uch. zap. Volg.*  
*gos. ped. inst.* no. 18 24-18 '64.

## GRAPE

(See also subdivision under Volgograd Province)

Quantitative variations of amino acids in grapes of dif-  
ferent ripening time. S. A. Marutian. *Dokl. AN SSSR*  
171 no. 5 1217-1220 D '66.

Requirements of various grape species to temperature  
conditions. A. M. Mamedov. *Izv. AN Azerb. SSR. Ser.*  
*nauk o zem.* no. 4 154-159 '66.

Stimulating grapevine cuttings in a field of high voltage.  
G. D. Kuchava. *Trudy GRUZNIMESKHIA* 8 no. 2 47-  
56 '62

## GRAPE—FERTILIZERS AND MANURES

Effect of mineral fertilizers on the yield of grapes and  
quality of wine. N. M. Perov, A. N. Latsyna.  
*Agrokhiimiya* no. 12 43-47 D '66.



(Cst-H)

## GRODNO—JUDGES

The heart of a Communist is his best adviser. O. Gruzhevskii, V. Zhivalovskii. Sots. zakon no 11 73-75 N 166

## GROSEVELL

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## GROSS NATIONAL PRODUCT

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## GROTHUSS, THEODOR, 1785-1822

Stradyn', I. A. P. [Theodor Grothuss, 1785-1822] Teodor Grothus, 1785-1822 Moskva, Nauka, 1966 182 p

## GROUND BEETLES—EXTERMINATION

How we have protected winter wheat. L. Medvedevskii, I. Fed'ko. Zashch. rast. II no 12 97 166

## GROUND-EFFECT MACHINES

The passenger vessel "Neva" operating on an air cushion. Sudostroenie 20 no 12 77 D 167

## GROUND SQUIRRELS

Study of the seasonal activity of the physiological functions in the Citellus pygmaeus. Report No. 1, K. M. Mokhin and others. Trudy Gos. nauch.-issled. prirodoznan. inst. 16 281-290 159

## GROUND SQUIRRELS—EXTERMINATION

see subdivision under Chernyye Zemli

## GROUPS, THEORY OF

Calculating quantum numbers of some  $SU_3$  group representations. H. L. Stavratski. Ukr. fiz. zhurn. II no 11 1098-1205 N 166.

Expansion of the direct product of representations of the direct unitary series. D. S. Fomin, S. S. Sannikov. Dokl. AN SSSR 171 no 5 1058-1060 D 166.

Generalization of certain theorems on finite groups. R. I. Tyshkevich. Dokl. AN BSSR 6 no 8 471-474 Ag 162

Graph-groups of groups of automorphisms of finite graphs. E. G. Davydov. Ukr. mat. zhurn. 18 no 6 111-114 166.

$h$ -isomorphisms of a semigroup with a tightly imbedded perfectly simple ideal. V. I. Kuznetsov. Dop. AN URSS no 11-1420-1431 162

Identity problem in finitely defined semigroups. G. S. Makarin. Dokl. AN SSSR 171 no 2 285-287 N 166.

Locally nilpotent subgroups of periodic linear groups. M. S. Garashchuk. Dokl. AN BSSR 6 no 9 545-547 S 162.

Mass formulae in nonhomogeneous  $Su(6, 6)$  group. A. V. Nikolov, I. T. Todorov. Izd. fiz. 4 no 5 1052-1057 N 166

Number of classes of iso-ordic solvable nonspecial subgroups of finite groups. V. I. Sergienko. Dokl. AN BSSR 6 no 6 351-352 Je 162.

On Huppert's theorem. N. S. Akulov. Dokl. AN BSSR 10 no 12 920-922 D 160.

Perfectly simple semigroups without zeroes, and ideals of subsemigroups. L. N. Shevlin. Izv. vys. ucheb. zav. mat. no 6 157-160 166

Restrictive bisemigroups associated with generalized groups. V. V. Rozen. Izv. vys. ucheb. zav. mat. no 6 144-151 166.

Semigroups and structural isomorphisms of semigroups with contraction. L. N. Shevlin. Dokl. AN SSSR 171 no 2 296-298 N 166.

A  $\pi$ -solvable Sylow theorem deduced from the hypothesis of the solvability of groups of odd order. S. A. Chumikhin. Dokl. AN BSSR 6 no 6 315-346 Je 162.

Some  $\pi$ -separability criteria for finite groups. V. P. Gronyko. Dokl. AN BSSR 6 no 8 475-476 Ag 162.

Some problems in the theory of vector invariants. D. Khadimov. Dokl. AN SSSR 171 no 5 1045-1046 D 166.

Subgroups of rings without zero divisors. A. E. Zaleski. Dokl. AN BSSR 10 no 10 728-731 O 166.

Sylow  $p$ -subgroups of a complete linear group. R. T. Vol'vachev. Dokl. AN BSSR 6 no 8 480-484 Ag 162.

Theorem of third order invariants for irreducible representations of space groups. M. S. Shur. Zhur. eksp. i teor. fiz. 51 no 4 1260-1262 O 166.

Theory of generalized groupoids. V. V. Vagner. Izv. vys. ucheb. zav. mat. no 6 25-39 166.

## GROWTH (PLANTS)

Mathematical description of plant growth. I. U. K. Ross. Dokl. AN SSSR 171 no 2 181-183 N 166

Rhythm of the seasonal development of generative shoots in hardwood trees in the Far East. G. P. Belostokov. Biol. Glav. bot. sada no 03 73-77 166.

## GROWTH PROMOTING SUBSTANCES

Study of growth promoting substances contained in the biomass of thermophilic methane bacteria. Report No. 2, E. D. Mikhlin, V. G. Prokof'eva, N. N. Erofeeva. Prikl. biokhimi. i mikrobiol. 2 no 6 687-690 N-D 166.

## GUAIACOL

Separation of  $p$ -cugenol from a mixture of isomers obtained by C-allylation of guaiacol. M. N. Zelenetskii and others. Trudy VNIISNDV no 7 116-119 165

Study of terpene phenols. Part 27: Condensation products of norbornene with guaiacol. I. S. Aulchenko, L. A. Kheifit, Zhur. org. khim. 2 no 11 2055-2058 N 166

Study of terpene phenols. Part 28: Condensation products of camphene with guaiacol and their hydrogenation. L. A. Kheifit, I. S. Aulchenko, G. M. Shchepoleva, Zhur. org. khim. 2 no 11 2079-2081 N 166.

## GUBENKO, TIKHON PAVLOVICH, 1896-

Professor T. P. Gubenko, on his 70th birthday and the 10th anniversary of his scientific work. Fiziko-khimi. no 12 83 D 166

## GUDZIL, NIKOLAI KALLINOVICH, 1897-1965

In memory of Nikolai Kallinovich Gudzil (1897-1965). V. P. Adrianova-Peretts, L. A. Dmitrieva. Trudy ODRL 22 169-171 166

A word about a teacher: Nikolai Kallinovich Gudzil's 75th birthday. V. E. Gusev. Trudy ODRL 16 481-488 162.

## GUIDANCE SYSTEMS (FLIGHT)

Izrael, L. P. [Infrared and light instruments for homing and guidance of flying machines]. Infekrasnyy i svetovyye pribyory samonavedeniya i navedeniya letatel'nykh apparatov. Moskva, Mashinostroyeniye, 1966. 387 p

## GUILDS

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## GUINEA—TECHNICAL ASSISTANCE, RUSSIAN

Hotels in Guinea. I. Valutin. Stroitel'nikh. Mosk. 12 no 6 34-36 Je 163

## GUINEA, SPANISH—POLITICS AND GOVERNMENT

A shadow over the equator. Nov. vrem. 25 no 3 31-32 Ja 167

## GULF STREAM

Study of thermal structure of Gulf Stream frontal zone. E. I. Boronov, M. A. Shmatko. Okeanologiya 6 no 5: 770-775 166.

## GULYAYPOLE DISTRICT—AGRICULTURE

Agonomist too should learn. I. Plavitskiy. Zemledel. 28 no 12 61 D 166.

## GUMS AND RESINS

Improving the production of colophony by the extraction process. A. A. Kivlev, E. B. Bogdanov. Gidroliz i lesokhim. prom. 15 no 1 23-25 162.

Pay more attention to new wood chemical products. Gidroliz i lesokhim. prom. 19 no 8 3-1 168

Use of gossypol resin for the manufacture of extremely hard particle boards. A. M. Zamyshlaeva, G. A. Dmitrieva. Der. prom. 12 no 12 21-25 D 166

## GUMS AND RESINS—THERAPEUTIC USE

Comparative evaluation of the compound treatment of rheumatoid polyarthritism with naphthalen and nautic in combination with butadione. G. G. Akhmed. Azerb. med. zhurn. 40 no 4 79-83 Ap 167.

## GUNAR, IVAN ISIDOROVICH, 1908-

Ivan Isidorovich Gunar. Agrokhimika no 12 130 D 166

## GUNITITE

Quitting with mechanical throver. I. A. Sultovskii. S. M. Vergos. Stroitel'nikh. Uzb. 7 no 115-6 N 166

## GUNITITE—STANDARDS

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## GUNPOWDER—COMBUSTION

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## GUNSHOT WOUNDS—COMPLICATIONS AND SEQUELAE

Some peculiarities of the clinical and X-ray characteristics of residual forms of chronic gunshot osteomyelitis of the tubular bones. S. A. Kats. Traumatologiya no 1 295-305 165.

## GYMNASTICS

Development of static energy in gymnasts. L. P. Semenov, I. V. Menkudin. Teor. i prak. fiz. kult. 29 no 11: 32-36 N 166.

Effect of training exercises on functional state of cardiovascular system in young gymnasts. Z. E. Romanova. Teor. i prak. fiz. kult. 29 no 11: 53 N 166.

System of competition in gymnastics. I. A. S. Pradkov. Teor. i prak. fiz. kult. 29 no 11: 18-18 N 166.

Vasil'kov, G. A. [Gymnastics for children of the younger school age; collection of general exercises for school and home. A manual for teachers of the first to fourth grades and for parents]. Gimnastika dlia detei midshego shkol'nogo vozrasta; sbornik obshchestvenno-vuzhshchikh uprazhnenii dlia zaniatii v shkole i doma. Posobie dlia uchitel'ov I-IV klassov i roditel'ei. Moskva, Fizveshcheniye, 1966. 140 p.

## GYNECOLOGY

Novocaine block of the retroperitoneal space in the treatment of some diseases of the organs of the minor pelvis. D. N. Durnbadze. Sov. med. 26 no 3 104-106 M 163

Pervyi Moskovskii meditsinskii institut. [Methodological elaborations of practical studies of obstetrics and gynecology on therapeutic and sanitary-hygienic faculties]. Metodicheskie i razrabotki prakticheskikh zaniatii po akusherstvu i ginekologii na tekhnicheskoi i sanitarnogigienicheskom fakul'tetakh. Moskva, 1966. 160 p. (DNLM)

Petchenko, A. I. [Gynecology; manual for doctors and students]. Ginekologiya, rukovodstvo dlia vrachei i studentov. Izd. 2., ispr. i dop. Kiev, Zdorovia, 1965. 618 p. (DNLM)

Zhukhly, K. N. [Clinical lectures on gynecology]. Klinicheskie lektsii po ginekologii. [Leningrad] Meditsina, 1966. 333 p. (DNLM)

## GYNECOMASTIA

Histochemical examination and content of testosterone in the urine of male gynecomastia and cancer of the breast. A. L. Gostyshin and others. Klin. onk. no 1 180-186 165.

## GYPSUM

Determining the solvent action of filtration flow in gypsum rocks from the data of field observations. A. E. Orlovskaya. Trudy Lab. inzh. geol. geol. VODGEO no 1 112-153 162.

## GYPSUM PRODUCTS

Gaa gypsum on a basis of superphosphate. I. Kirgizbaev. Izv. AN Turk. SSR, Ser. fiz.-tekhn. i gos. nauk no 4 63-68 162

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Lithologic and reservoir properties of the sediments of the lower division of a productive formation in the Gyrghany-More oil field. B. M. Reimov, V. A. Orlov. Azerb. med. zhurn. 42 no 7 12-15 Ji 161

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Calculation of melting of hailstones in natural processes. V. A. Zimenkov, V. V. Ivanov. Trudy VGI no 3 56-62 166.

Concentration of hailstones and hail seeds in thick cumulus clouds. M. T. Absharov. Trudy VGI no 3 101-106 166.

Conditions for growth of snow, soft hail, and hail in clouds. N. S. Shishekin. Trudy GGO no 186 136-144 166

Evaluation of radar methods for determining hail in clouds. V. G. Zakharov, V. F. Lapcheva, E. S. Mishailov. Trudy VGI no 3 197-201 166.

Method of forecasting of hail and shower. N. I. Glushkova. Trudy VGI no 3 120-139 166.

Methodology and organization of controlling results of effect on hail processes in Expedition of High Mountain Institute. M. P. Zverev, M. A. Khadzhiev. Trudy VGI no 3 221-226 166.

Methodology and physical bases of modification of convective clouds for purpose of prevention of damage by hail. G. K. Sulinkvelidze, N. Sh. Bibilashvili, V. F. Lapcheva. Trudy VGI no 3 214-220 166.

Origin of rain during fall of hail. V. V. Ivanov, E. A. Kunaeva. Trudy VGI no 3 143-146 166.

Peimfashia errors in shooting at hail zones with "Cibur-2" nonfragmental shells from KS-19 Artillery system. M. A. Gusev. Trudy VGI no 3: 227-230 166.

Preliminary results of simulating distribution of hail on earth's surface. O. I. Chchpovskaya. Trudy VGI no 3: 117-128 166.

Radar method for determination of spectrum and concentration of hailstones in convective clouds. M. T. Absharov, N. Sh. Bibilashvili. Trudy VGI no 3 154-163 166.

Radar method of determining seeds of hail origins, size of hail in cloud, and size of hail reaching earth's surface. V. F. Lapcheva. Trudy VGI no 3 103-109 166.

Results of Caucasian Expedition on Prevention of Damage by Hail, 1961. G. K. Sulinkvelidze and others. Trudy VGI no 3 231-240 166.

Results of comparison of radar methods for indication of sizes of hailstones developed by High Mountain Geophysical Institute. G. K. Sulinkvelidze. Trudy VGI no 3 209-213 166.

Verification of method of forecasting of hail based on materials of Caucasian Expedition, 1964. V. A. Belentsova and others. Trudy VGI no 3 140-142 166.

## HAIR

Growth of gray hairs following roentgen therapy of scalp dermatomycosis. A. G. Sunisov. Vest. dermat. i ven. 37 no 3 65-67 Mr 163.

## HAIR—DISEASES

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## HAJI KHALFA, d. 1658

Katim Celebi's "Tezkiye" as a source for the history of Azerbaijan. A. A. Papirov. Vest. oshchestv. nauk AN Azerb. SSR no 5 78-87 '66

## HALHAIN GOL, BATTLE OF, 1939

[Heroes of Halhain Gol] Gen. Khalkhin-Gola [Perm.] Permshoe knizhnoye izd-vo, 1966. 129 p

## HALIDES

Growing of high-alloy lead telluride n-type single crystals and the determination of distribution coefficients of first, chlorine, and bromine. V. I. Kaidanov, R. B. Mal'nik. E. Sh. Fedarchuk. Izv. AN SSSR Neorg. mat. no 12 1246-1247 '66

## HALIDES—SPECTRA

Effect of temperature on the absorption spectra of halides. G. G. Mikhalov, P. A. Zagorets. Trudy MKHIT no 41 26-28 '63

## HALL EFFECT

Deep energy levels in indium antimonide. N. S. Baranov and others. Fiz. tver. tela 8 no 7 2259-2260 '66

Effect of spin on quantum oscillations of galvanomagnetic coefficients in n-InSb. Kh. I. Amirkhanov, R. I. Rashidov. Fiz. tver. tela 8 no 7 2189-2196 '66

Energy levels of defects produced by fast neutrons in p-silicon. I. D. Kuncenok, G. N. Eritsyan, V. I. Kuchrich. Izv. Ak. Arm. SSR, Fiz. 1 no 2 125-127 '66

## HALLUCINATIONS AND ILLUSIONS

So-called chronic tactile hallucinations. G. V. Stokharov. Zhur. nevrol. i psikh. 66 no 12 1812-1817 '66

## HALOGENATION

Effect of solvents in the reactions of olefin halogenation. I. V. Bodriyov, Z. S. Smolian, G. I. Korchagina. Zhur. VkhO 11 no 5 703-703 '65

## HALOGENS—ANALYSIS

Distribution of rare elements in halogene sediments. T. F. Boiko. Dokl. AN SSSR 171 no 2 457-460 N '66

## HAMMERS

Investigating the GAZ steam-pneumatic die hammer. L. V. Khimov, K. V. Serrenov, L. N. Khushtenkov. Trudy GPT 15 no 2 5-38 '59

## HAMSTERS AS LABORATORY ANIMALS

Golden hamsters (*Cricetus auratus* W., 1833) as experimental models for the study of infectious pathology. M. M. Fatkhov, S. A. Dzhalilov, Zhur. mikrobiol. i epid. i immun. 33 no 6 130-133 '62

## HAND—DISEASES

Occupational diseases of the skin caused by wearing rubber gloves. K. A. Lopukhova. Eksp. khir. i plast. 3 no 6 59-60 N-D '63

Tumors of the hand bones. A. G. Sadykhov. Azerb. med. zhur. 40 no 9 12-20 S '63

## HAND—FRACTURE

Fractures of the phalanges and the metacarpals in children. L. L. Goldzand. Azerb. med. zhur. no 3 73-75 '62

## HANDICAPPED CHILDREN—EDUCATION

Specificity of educational work in the schools for children with speech defects. S. I. Maevskaya, Uch. zap. MGPI no. 219 73-75 '64

## HANDICRAFT see subdivision under Osselia, North, Soviet Central Asia

## HANDSAW FISHES see subdivision under Shlashkotan Island

## HAPPINESS

Landesman, P. A. [Happiness of my contemporary] Schast'e moego sovremennika. Moskva, Politizdat, 1965. 77 p.

## HARBORS—EQUIPMENT AND SUPPLIES

Ports ought to work better. N. Marfent, D. Bakal. Rech. transp. 21 no 7 1-11 '62

## HARBORS—MANAGEMENT

Problems in furnishing a basis for the optimal correlation of the cargo turnover and the traffic capacity of ports. M. M. Gorbaiy. Trudy Soluzh. NIPROekt no. 7 4-16 '65

Raise the level of operational work. E. Mukhin. Rech. transp. 21 no 7 17-18 '62

Work plan indices of ports and landings under the new conditions. L. Vysotskiy. Rech. transp. 23 no 12 13-14 '66

## HARD FACING

Efficiency of mechanized build-up welding of parts of oil field equipment. I. A. M. Korshenbaum, N. A. Prokhorov. Mash. i elekt. no 9 19-21 '66

Residual bending deformations arising during welding and hard facing of flat parts. L. N. Koptman. Trudy IVT no 83 71-80 '65

Wear-resistant surfacing of parts of excavator bucket chains. F. L. Lentshuf, A. T. Grabchuk. Avtom. svar. 19 no 12 62-64 N [i.e. D] '66

## HARD FACING—EQUIPMENT AND SUPPLIES

Influence of complex built-up alloys in electrode coatings upon properties of built-up metal. I. G. Noskov. Avtom. svar. 19 no 12 65-66 N [i.e. D] '66

Influence of the conditions of wide-layer hard facing upon dimensions of deposited layer. M. L. Razikov, N. V. Korolev. Avtom. svar. 19 no 12 37-42 N [i.e. D] '66

Stability of the system of self-adjustment of weaving at surfacing. I. R. Patskevich. Avtom. svar. 19 no 12 43-47 N [i.e. D] '66

## HARDNESS

Hardness of simple compounds. G. S. Mel'nikov, V. V. Tarasov. Trudy MKHIT no. 11 5-7 '63

Microhardness of oxides of some elements. L. N. Bazhenova and others. Izv. AN SSSR, Neorg. mat. 2 no 11 1091-1097 N '66

Study of Moh's hardness scale by method of microhardness. M. M. Krashech. Izv. AN SSSR, Ser. geol. 31 no 12 74-82 D '66

## HARDNESS—TESTING

Changes in hardness of alloys in the system Al - Cu - Cd - Mn - Li depending on composition and conditions of aging. O. S. Bozhvar, V. G. Badarov. Trudy MATI no. 68 128-135 '66

## HARDWOODS see subdivision under Soviet Far East

## HARMONIC ANALYSIS

Applying harmonic analysis in studying magnetic anomalies. M. M. Ivanov, M. A. Efendieva. Geomagn. i aer. 6 no 6 1135-1137 N-D '66

Graphical-analytic method of harmonic analysis. M. G. Smidit. Izv. AN Turk. SSR, Ser. fiz. i tekhn. i prikl. i geol. nauk no 4 55-62 '62

Parametric effect of a harmonic random force on a non-linear oscillatory system. V. I. Kolonitskiy. Dop. AN URSR no 11 1413-1417 '62

## HARMONIC FUNCTIONS

Some approximation properties of harmonic functions. A. S. Dzhabarov. Dokl. AN Azerb. SSR 19 no 2 1-6 '63

Use of Schwarz's method in solving Dirichlet problem in doubly connected region. V. V. Lukovich. Vych. mat. [Kiev] no 2 138-143 '68

## HARROWS

Rotary harrow for blind cultivation of corn fields with sliding movement of teeth. R. N. Tsimazde. Trudy GRUZNIMESKHA 8 no 2 165-175 '62

## HARVESTING see subdivision under Zaporozhye Province

## HARVESTING MACHINERY

Attachment to field machines for harvesting lodged crops. A. T. Kovalev, A. S. Vinnik. Trakt. i sel'khoz. mash. no 12 28-30 D '66

Mechanized harvesting of peas. V. Chochia, A. Stepanova. Trudy GRUZNIMESKHA 8 no 2 79-85 '62

Modernization of the ZhVN-10 reaper. V. S. Sakovtsev. Trakt. i sel'khoz. mash. no 12 37-38 D '66

Theory of cutting parts with continuous movement of blades. E. C. Khazanov. Zap. LSKH 96 226-231 '65

## HASTINGSITE see subdivision under Ural Mountains

Ideophones as part of speech in African languages. B. V. Zhurkovskiy. Nar. Az. i Afr. no. 6 114-116 '66

## HAVRYLYUK, VOLODYMYR MYKHAILOVYCH, 1924-1966

Volodymyr Mykhailovich Havrylyuk; obituary. Ukr. lit. zhur. 11 no 11 1272 N '66

## HAWTHORN

Clinical study of hawthorn; a survey of the literature. D. I. A. Guseinov. Azerb. med. zhur. no 7 3-9 '62

Effect of preparations and some chemical substances from hawthorn on the peripheral blood vessels. D. I. A. Guseinov. Azerb. med. zhur. 40 no 4 65-68 Ap '63

Effect of the five-petal hawthorn (Crataegus pentasyria) on the bioelectric activity of the cerebral cortex. D. I. A. Guseinov. Azerb. med. zhur. no 3 10-12 '62

## HAWTHORN—THERAPEUTIC USE see subdivision under Azerbaijan

## HAY

Intensification of hayfield and meadow management. I. Larin. Zemledelie 28 no 12 8-14 D '66

Speed conditions of the grinding machine for the preparation of grass meal. V. A. Spol'nev. A. I. Zhurav. Trakt. i sel'khoz. mash. no 12 11-15 D '66

## HEAD—WOUNDS AND INJURIES

Results of a comprehensive study of the conformation of the blood in the head closed injuries of the brain. A. G. Kurbanov. Azerb. med. zhur. 40 no 2 30-31 '63

## HEALTH EDUCATION

Luk'yanov, V. S. [Work and health] Trudy i zdorov'e. T. 1. skva, Znamk, 1937. 44 p. (Narodnyi universitet. Fa. kul'tet. zdorov'ia, no 1)

## HEALTH RESORTS, WATERING PLACES, ETC.

(see also subdivision under Armenia, Odessa)

[Sanatorium and health resort treatment of cardiovascular diseases, materials for an interprovincial scientific and practical conference to be held September 28-30, 1965] Sanatori-kuortana lehtone seidechno-ayudnykh zabolevaniy, materialy k mezhoblastnoi nauchno-spr. ireshol. konferentsii 28-30 sentabla 1965 goda. L. I. Chilikin. Gos. med. in-t, 1965. 124 p. (DNLM)

Sochineniya nauchno-issledovatel'skikh institutov i nauchnykh tsentrov. [Materials of a scientific report made on the results of scientific works in 1963-1964 (1 January-May 1965)] Materialy nauchno-otchetnogo svedeniya po program nauchnykh rabot za 1963-1964 gg. (fevral'-mai 1965 goda). Sochi, 1965. 207 p. (DNLM MICROFILM)

## HEALTH RESORTS, WATERING PLACES, ETC.—DESIGN AND CONSTRUCTION see subdivision under Soviet Central Asia

## HEARING

Spatial analysis in human and baboon young following the simultaneous excitation of the visual, olfactory, hearing and vestibular apparatus. V. I. Korolev. Zhur. fiz. i med. no 4 652-657 '63

Speech hearing and the determination of the degree of its development. S. Ivanova. Doshk. vop. 39 no 12 1-15 D '66

## HEARING AIDS see subdivision under Moscow

## HEART

Correlation between the content of sodium and potassium bound non-hemoglobin in the heart of rabbits. M. P. Barts, L. P. Vozuchukova. Vop. med. khim. 12 no 6 621-626 '66

## HEART—ABNORMALITIES AND DEFORMITIES

Pathological anatomy of congenital heart defects. I. I. Klymskiy. Khirurgiya 39 no 2 164-64 '63

## HEART—BLOOD SUPPLY

Morphological changes in the heart and its vessels under conditions of varying physical activity of the animals of a dog. I. P. Antypenko. Dop. AN URSR no. 7 5-10 '65

Practical significance of the topography and architecture of the cardiac vascular system (monotonous). S. V. Samoilova. Trudy Inst. im. N. V. Sklif. 2166 1-11 '63

Basic problems of surgical therapy of congenital heart defects. V. I. Bukakovskiy. Vest. AN SSSR 17 no 15 26 '62

Clinicoradiological changes in defects of the left ventricular septum. A. A. Namazova, I. Kh. Hakhim. Azerb. med. zhur. 40 no 8 27-31 S '63

Data on the state of the heart in children born of women with heart defects. I. S. Tsybul'skaya and others. Sov. med. 20 no 12 7-11 D '66

Defects in the interventricular septum and their surgical treatment. F. N. Romashov. Khirurgiya 39 no 2 170-71 '63

Diuretic effect of progesterone in cardiac insufficiency. G. N. Karapetian, V. B. Khodzhamitrova, V. G. Kukua. Trudy i go MMI 43 17-23 '65

Effect of the degree of myocardial hypertrophy in experimental heart defect on body resistance to altitude hypoxia. I. M. Ropin. Biul. eksp. biol. i med. 55 no 11 37-40 '63

Excretion of catecholamines with the urine in coronary insufficiency under conditions of functional ataxia. I. E. Sofieva, T. I. Boliakova. Trudy i go MMI 17 31-41 '65

Experimental therapy of cardiac trauma and myocardial infarct. S. V. Andriyev. Trudy Inst. im. N. V. Sklif. 7 238-239 '63

Interruption of chronic pancreatitis and myocardial lesion. E. G. Paramonova, S. A. Tuzhilin. Sov. med. 20 no 12 67-72 D '66

Litvinenko, A. F. [Auscultation and phonocardiography in congenital heart defects] Auskultatsiya i fonokardiografiya pri vrozhdennykh porokakh serdtsa. Kiev, Zdurov'ia, 1966. 118 p. (DNLM)

## HEART—DISEASES (Continued)

- Pathogenesis of chronic, recurrent myocardial infarcts and progressing cardiocirculation A. V. Smol'yanikov, T. A. Naidachina Trudy Inst. im. N. V. Sklif. 7:183-187 '63.
- Role of toxoplasmosis in changes in the nervous system in congenital defects of the heart and large vessels in children R. A. Kovaneva, M. A. Pronina, N. A. Rykova Vest. AMN SSSR 17 no. 10:40-44 '62.
- Routine X-ray examination in the diagnosis of defects of the intra-aortic septum I. B. Berenshtein, V. I. Grantev, O. S. Antonov Trudy Novokuz. GIDUVA 32 26-29 '65.
- Technical problems of using electrical stimulation of the heart in clinical practice E. B. Babitski, L. S. Ul'yanovskii Eksp. khir. i anest. 8 no. 6:6-11 N-D '63.
- Technique of closed tricuspid commissurotomy in combined stenoses B. M. Kostuchenok Eksp. khir. i anest. 8 no. 6:11-17 N-D '63.
- Use of desoxyribonucleic acid, amino acids, vitamins of the "B" group, and ATP for the stimulation of restorative processes in animals with myocardial lesions I. U. S. Chochulin Trudy Inst. im. N. V. Sklif. 7:261-280 '63.

## HEART—EXAMINATION

- Clinicogenetological changes in defects of the inter-ventricular septum A. A. Namazova, I. Kh. Babkin, Azerb. med. zhur. 40 no. 8:27-31 S '63.

## HEART—HYDATUS

- Echinococcosis of the heart I. A. Dolneka Khirurgiya 39 no. 2:36-46 F '63.

## HEART—HYPERTROPHY AND DILATATION

- Electrocardiographic criteria in cardiac enlargement in athletes L. A. Butchenko, I. A. G. Ablov, G. M. Kukulevskii, Teor. i prak. fiz. kul't. 29 no. 11:48-52 N '66.

## HEART—INFARCTION

- Cardiac aneurysms developed following myocardial infarct, and their surgical treatment B. V. Petrovskii Trudy Inst. im. N. V. Sklif. 7:230-237 '61.
- Clinical and anatomical characteristics of myocardial infarct in hypertension O. N. Vinogradova Trudy Inst. im. N. V. Sklif. 7:177-180 '63.
- Clinical and cardiographic changes in patients with myocardial infarct following surgical intervention B. M. Kogan, K. M. Loele Trudy Inst. im. N. V. Sklif. 7:199-202 '63.
- Differential diagnostic significance of eosinophilia in myocardial infarct and stenocardia L. B. Shcheshneva Sov. med. 26 no. 3:17-20 M '63.
- Effect of steroid hormones on biochemical and morphological changes in heart during experimental myocardial infarct I. A. Usvatova and others Trudy i-go MMI 43:42-53 '65.
- Fluorescence microscopy study of the early stages of experimental myocardial infarct V. S. Kondrat'ev, E. F. Lushnikov Biol. eksp. biol. i med. 55 no. 6:105-110 Je '63.
- Mathematical evaluation of the prognosis in myocardial infarct B. A. Ryvkin, P. Z. Ryvkina, Sov. med. 29 no. 12:130-131 D '66.
- Simplified method for the determination of fibrinogen in the plasma during myocardial infarct and stenocardia Azerb. med. zhur. 40 no. 3:41-48 M '63.
- Surgical treatment of acute infarcts A. N. Bakulov Trudy Inst. im. N. V. Sklif. 7:192-195 '63.
- Treatment of myocardial infarct with novocaine blocks of the cardioaortic plexus of the heart K. V. Lapkin, Trudy Inst. im. N. V. Sklif. 7:207-210 '63.
- Use of motion pictures in the study of cardiac vessels in stenocardia and myocardial infarction in man S. V. Andreev and others Trudy Inst. im. N. V. Sklif. 7:249-254 '63.

## HEART—INNERVATION

- Comparative analysis of cardiac conduction system. E. S. Kirpichnikova, T. P. Evgen'eva Vest. Mosk. un. Ser. 6, Biol., pochv. 21 no. 1:17-20 Ji-Ag '66.
- Development of heart innervation in human embryos, I. I. Novikov Dokl. AN BSSR 10 no. 12:998-1000 D '66.

## HEART—MUSCLE

- Content of glycogen, lactic and pyruvic acid in the myocardium in compensatory hyperfunction A. P. Bozhko Biol. eksp. biol. i med. 55 no. 8:69-71 Je '63.
- Effect of physical load on contractile ability of myocardium A. N. Synchuk, P. S. Vakhnovan, G. N. Kondratenko, Teor. i prak. fiz. kul't. 29 no. 11:55-56 N '66.
- Interrelations between the enzyme catalyzing direct amination of pyruvic acid and the transaminases in the structural elements of cells of the rat myocardium M. A. Davtian, Biokhimiya 27 no. 5:199-203 S-O '62.
- Partial purification of aspartate-glutamate transaminase of the heart and some of its properties I. U. M. Turchinskii, Biokhimiya 27 no. 5:195-199 S-O '62.
- Phosphorus metabolism of phospholipids in the brain in ontogenesis K. G. Mamukin, A. A. Smirnov, E. V. Chirkovskaya, Biokhimiya 28 no. 2:246-252 Mr-Ap '63.

## HEART—RADIOGRAPHY

- Routine X-ray examination in the diagnosis of defects of the intra-aortic septum I. B. Berenshtein, V. I. Grantev, O. S. Antonov Trudy Novokuz. GIDUVA 32 26-29 '65.
- Significance of X-ray kymography in the determination of some functional and morphological changes in the human heart V. I. Kolesnikov Trudy Novokuz. GIDUVA 32: 21-23 '65.

## HEART—SOUNDS

- Differential diagnosis between the 4th tone and the presystolic murmur according to phonocardiographic data G. A. Ponomov, L. I. Petrova, Trudy Inst. im. N. V. Sklif. 7:227-230 '63.
- Litvinenko, A. F. [Auscultation and phonocardiography in congenital heart defects] Auskultatsiya i fonokardiografiya pri vrozhdennykh porokakh serdtsa, Kiev, Zdobov'ya, 1960, 118 p. (DNLM)

## HEART—SURGERY

- Basic problems of surgical therapy of congenital heart defects V. I. Burakovskii Vest. AMN SSSR 17 no. 10:15-26 '62.
- Causes and treatment of anemia developing after operation on the open heart under conditions of artificial blood circulation S. A. Gendzhiev, A. A. Voronov, I. V. Kuznetsov Khirurgiya 39 no. 2:31-36 F '63.
- Clinical aspects, diagnosis and treatment by the application of prostheses of valvular insufficiency of the pulmonary artery V. I. Burakovskii and others Khirurgiya 39 no. 2:46-53 F '63.
- Clinicogenetological changes in defects of the inter-ventricular septum A. A. Namazova, I. Kh. Babkin, Azerb. med. zhur. 40 no. 8:27-31 S '63.
- Defects in the interatrial septum and their surgical treatment F. N. Romashov Khirurgiya 39 no. 2:70-79 F '63.
- Kolesov, V. I., ed. [Surgical treatment of coronary heart disease] Khirurgicheskoe lechenie koronarnoi bolezni serdtsa. [Leningrad] Meditsina, 1966, 260 p. (DNLM)

- Some urgent problems in open-heart surgery A. A. Vishnevskii, T. M. Darbintan Khirurgiya 39 no. 2:13-20 F '63.
- Surgical treatment of acute infarcts A. N. Bakulov, Trudy Inst. im. N. V. Sklif. 7:192-195 '63.
- Technical problems of using electrical stimulation of the heart in clinical practice E. B. Babitski, L. S. Ul'yanovskii Eksp. khir. i anest. 8 no. 6:6-11 N-D '63.
- Technique of closed tricuspid commissurotomy in combined stenoses B. M. Kostuchenok Eksp. khir. i anest. 8 no. 6:11-17 N-D '63.

## HEART—VALVES—DISEASES

- Clinical aspects, diagnosis and treatment by the application of prostheses of valvular insufficiency of the pulmonary artery V. I. Burakovskii and others Khirurgiya 39 no. 2:46-53 F '63.

## HEART—WOUNDS AND INJURIES

- Wounds of the heart and pericardium R. S. Monukhin, A. Z. Mamedov, Azerb. med. zhur. 40 no. 2:19-55 F '63.

## HEART BLOCK

- Phenomenon of suppression of the automatism of cardiac ventricles in complete atrioventricular block under the influence of rhythmic electric impulses I. U. Medvedev, I. G. Kostenko, Pat. fiziol. i eksp. terap. no. 3:25-29 '64.

## HEARTBEAT

- Phenomena of periodical contractions of the heart observed under changes in an ionic medium G. A. Ptashnik Trudy LPMI no. 32:132-135 '65.
- Results of the restoration of the contractile activity of the human heart after death I. U. S. Chochulin Trudy Inst. im. N. V. Sklif. 7:200-208 '63.

## HEAT

- Determining the heat and carbon dioxide released by apples during cooling and storage I. G. Altanovskii Khol. tekhn. 30 no. 3:39-40 My-Je '62.

## HEAT—CONDUCTION

- Conditions of heat contact of solids I. A. S. Pidstrygach, Dop. AN URSR no. 7:872-874 '63.
- Heat conductivity of helium and hydrogen mixtures I. F. Golubev, Z. A. Rychkova, Gaz. prom. 11 no. 11:48-50 '66.

## HEAT—CONVECTION

- Effect of the circulation rate on the heat transfer factor in the case of boiling in the pipes S. S. Kutateladze, Energomashinostroenie 7 no. 1:12-15 Ja '61.

## HEAT—TRANSMISSION

- (see also subdivision under Dolina Oil Field)
- Calculation of one-dimensional gas flow in a channel of varying cross section taking friction and heat transfer into account L. I. Mezhirov, PMTF no. 3:92-95 My-Je '62.

- Comparative data on the values of experimental heat transfer factors in condensers G. V. Nikolov, Energomashinostroenie 7 no. 1:15-18 Ja '61.
- Determining the heat flow through the entire height of a column M. I. Bychev, V. G. Shitnashkin Kory. i khim. no. 10:20-22 '66.

- Dimensionless treatment of complex cases of convective heat exchange V. M. Boyshanski, A. I. Miskovitch, Energomashinostroenie 8 no. 8:38-20 Ag '62.

- Effect of dissipation in processes of radiant energy exchange V. N. Adrianov Teploenergetika 8 no. 2:63-66 F '61.

- Experimental study of the heat transfer in the external gland zones of gas turbines E. I. Shelnin Energomashinostroenie 7 no. 1:25-27 Ja '61.

- Heat transfer and resistance of checkboard bundles of pipes in a transverse flow A. A. Zukauskas, A. A. Shapanskas, Teploenergetika 8 no. 2:72-75 F '61.

- Ignition of condensed explosives with conductive heat transfer from media with poor thermal conductivity V. N. Vilyunov, A. K. Kolchin Fiz. gos. izv. i vzryv. no. 3:101-109 '66.

- Investigating the temperature fields of the working blade root fixings of gas turbines cooled by means of air blast through the clearance slots B. V. Pecheravlov, Energomashinostroenie 7 no. 1:40-41 Ja '61.

- Lengthwise ribbed tubular surfaces for regenerators and water preheaters of gas turbine systems O. A. Klemm, N. V. Zozulra, A. A. Khavin Energomashinostroenie 7 no. 1:5-8 Ja '61.

- On the temperature of bodies in a medium with pulsating heat transfer and temperature M. A. Kaganov, I. U. L. Rozentshtek, PMTF no. 3:90-92 My-Je '62.

- Optical modeling of radiant heat exchange in furnaces L. A. Vukli, A. M. Gurevich, V. G. Klingens, Teploenergetika 8 no. 2:67-71 F '61.

- Selecting the temperature difference between the primary and secondary steam in evaporators N. A. Asratov, Energomashinostroenie 7 no. 1:15-46 Ja '61.

- Study of convective heat exchange in vertical heating systems P. M. Mikhailov, E. N. Saburov Izv. vuz. ucheb. av., energ. 9 no. 11:110-113 N '66.

- Studying the heat transfer and aerodynamic resistance in a semi-industrial model of the air-pneumatic manufactured from profiled sheet metal E. I. Vol'per, T. A. Savitskii, I. A. Luk-Zil'berman, Energomashinostroenie 7 no. 1:22-25 Ja '61.

- Temperature field of the partially cooled root fixings of the turbine blades B. A. Akhad'ev, Energomashinostroenie 7 no. 1:30-40 Ja '61.

- Thermal cycle in weld-affected zones during electric slag-welding of aluminum alloys A. A. Ishchenko, Avtom. svar. 19 no. 12:20-30 N [i.e.D.] '66.

- Thermodynamic analysis of heat exchange in refining plants V. M. Bichanskii, I. P. Ishkin Khol. tekhn. 30 no. 3:17-21 My-Je '62.

- Thermophysical conditions of copper and bronze deposition on steel by plasma jets A. E. Valnerman, M. Kh. Shorshorov, I. U. L. Krasulin Avtom. svar. 19 no. 12:46-51 N [i.e.D.] '66.

- Use of calculating machines for the study of temperature fields and stresses in steam- and gas-turbine rotors M. A. Kaganov, V. M. Zelenin, V. N. Venediktov, Energomashinostroenie 7 no. 1:1-5 Ja '61.

- Using the electric modeling method for determining the temperature field of internal combustion engine bushings L. A. Kozdobov, V. S. Semenov, Energomashinostroenie 7 no. 1:47-18 Ja '61.

## HEAT ENGINEERING

- Khassman, P. Ia. [Fundamentals of heat engineering and power systems] Osnovy teploekhniki i silovye ustanovalki. Moskva, Lesnaya promyshlennost', 1966, 310 p.
- Rigas politehniskais instituts. Elektroenergetikas fakultate, Silumenergetikas katedra. [Introduction to heat engineering for heat engineers] Ievads silumenergetikas; silumenergetikas specialitate, Saistadijs A. Zingitis Riga, 1966, 174 p. [in Latvian]

## HEAT ENGINES—MAINTENANCE AND REPAIR

- Rudakov, V. N. [Operation and repair of heat engines] Eksploatacija i remont teplovych dvigatelei Moskva, Energiya, 1966, 311 p.

## HEAT EXCHANGERS

- Efficiency of using the heat of the flue gases of industrial boiler systems N. P. Karagin, Prom. energ. 16 no. 1:9-12 Ja '61.
- Efficient system of heat exchange in oil oxidation U. I. U. Munkin, V. P. Myl'sev, I. A. Petenko, Mash. zhur. prom. 20 no. 6:36 Je '62.
- Methods to calculate heat exchange of evaporator for cooling natural gas E. A. Budaglan, Gaz. prom. 11 no. 11:7-10 '66.
- Study of heat exchange in a counterflow gas suspension with braking elements in the limits of the change of the Reynolds numbers  $10^4 < Re < 10^5$  G. I. Erkin, E. Z. Imel'faneenko, N. N. Siligavenko Izv. vuz. ucheb. zav., energ. 9 no. 11:113-118 N '66.

## HEAT EXCHANGERS—CLEANING

- Cleaning of vertical tubular heat exchangers using rubber balls R. F. Rysakov, Izv. vuz. ucheb. zav., energ. 9 no. 11:58-65 N '66.

HEAT OF CHEMICAL REACTION see Chemical reaction, Heat of

## HEAT OF COMBUSTION

Heat of combustion and formation of the series of homologs of aliphatic ketones, aldehydes. D. L. Chukva. *Zh. fiz. khim.* 40 no. 11 272-2729 1966.

## HEAT OF FORMATION

Heat of formation of potassium selenate and some properties of alkali metal selenates and sulfates. T. A. Serdyukova, M. V. Chumachenko. *Trudy MKhIT* no. 41 14-17 1963.

Heats of formation of calcium compounds. R. G. Grebenyuk, R. A. Paschenko. *Dokl. Akad. Nauk SSSR* 171 no. 5 1142-1144 D 1966.

## HEAT OF TRANSFORMATION

Heat of transition of a non-equilibrium (amorphous) form of a substance to an equilibrium form. Z. L. Lashchinskaya, V. M. Solov'yeva. *Trudy MKhIT* no. 41 22-25 1963.

## HEAT RESISTANT ALLOYS

Photometric method for determining cobalt in special and heat resistant alloys. A. S. Babenko, V. N. Tolmachev. *Khim. prom. (Ukr.)* no. 3 68-71 J1 S 1962.

## HEAT RESISTANT CONCRETE

Assembling 60-meter high pipes of large heat-resistant blocks. A. P. Dutsenko. *Mont. i spets. rab. v stroit.* 28 no. 12 13-14 D 1966.

Using heat-resistant portland-concrete in the construction of a smelter. M. F. Sumayev, I. L. Mal'nev. *Mont. i spets. rab. v stroit.* 25 no. 9 24-26 S 1963.

## HEATING see subdivision under Kazakhstan

## HEATING—EQUIPMENT AND SUPPLIES

Star load method of heat engineering testing of heating apparatus. A. I. Vityayev, N. I. Vys. ucheb. zav., *stroit. i arkh.* no. 9 96-93 1966.

## HEATING FROM CENTRAL STATIONS

Concerning V. G. Gichent's article "Some problems of the design and construction of thermal electric power plants." A. A. Dzhubin. *Elek. sta.* 37 no. 11 73-81 N 1966.

Effect of climatic factors on city district heating indices. D. P. Tainov. *Teplotekhnika* 8 no. 2 50-51 F 1961.

Possibilities for increasing the efficiency of thermal electric power plants with reducing and cooling systems. B. A. Mitovidov. *Elek. sta.* 37 no. 11 83-84 N 1966.

Results of the discussion on the prospects of district heating. *Teplotekhnika* 8 no. 2 87 F 1961.

Transfer of heat supply installations to electric power. I. S. Lavin. *Teplotekhnika* 8 no. 2 86 F 1961.

## HEATING FURNACES see Furnaces, Heating

## HEATING OF PETROLEUM see Petroleum, Heating of

## HEATING PIPES

Studying the effect of weight velocity, underheating and pressure on the critical thermal load. A. P. Ornat'skiy, A. M. Kichigin. *Teplotekhnika* 8 no. 2 75-79 F 1961.

## HEGEL, GEORG WILHELM FRIEDRICH, 1770-1831

Jena real philosophy. Part (to be continued). G. W. F. Hegel. *Vest. Mosk. un. Ser. 8. Filos.* 21 no. 5 90-96 S-O 1966.

## HELICOPTERS

Helicopters in bridge construction. M. G. Lazebnikov. *Aviador* 29 no. 11 13-14 N 1966.

## HELIUM—THERMAL PROPERTIES

Heat conductivity of helium and hydrogen mixtures. I. F. Golubev, Z. A. Rychkova. *Gaz. prom.* 11 no. 11 48-50 1966.

## HELIUM ISOTOPES

Emission of fast  $He^3$  in nuclear fission. Zh. S. Takibbaev, K. A. Toktarov, F. N. Zancheva. *Vest. AN Kazakh. SSR.* 27 no. 12 21-25 D 1966.

Fourth sound velocity in  $He^3$ - $He^4$  solutions. B. N. Esel'son and others. *Zhur. eksp. i teor. fiz.* 51 no. 4: 1064-1070 O 1966.

Helium  $3(He^3)$ , its sources and methods of observation. R. A. Slun'nev. *Astron. zhur.* 43 no. 6 1237-1243 N-D 1966.

## HELIUM ISOTOPES—DENSITY

Normal component density of concentrated helium isotope solutions. V. N. Grigor'ev and others. *Zhur. eksp. i teor. fiz.* 51 no. 4 1059-1063 O 1966.

## HELMINTHOLOGY—CONGRESSES

Vsesoyuznoye obshchestvo gel'mintologov. [Materials for a scientific conference of the All-Union Helminthological Society, December 1965] Materialy k nauchnoi konferentsii Vsesoyuznogo obshchestva gel'mintologov, dekabr' 1965 g. Moskva, Pt. 3, 1965, 286 p.

## HELMINTHOSPORUM

(see also subdivision under Maritime Territory)

Biology of the causative agent of the stripe disease of barley (*Helminthosporium glaucum* Raven II) in White Russia. N. A. Dorozhkin, L. R. Volkov. *Dokl. AN SSSR* 6 no. 6 101-103 Je 1962.

## HEMAGGLUTININ

Effect of interferon on production of hemagglutinins in chick fibroblasts infected with smallpox virus. I. V. Chernetsov. *Vop. virus.* 11 no. 6 667-671 N-D 1966.

Formation of hemagglutinins and infectious Sendai virus in cells of ascitic Ehrlich carcinoma. I. A. Smirnov, A. G. Bukinskaya. *Vop. virus.* 11 no. 5 570-573 S-O 1966.

Non-specific inhibitors of hemagglutinins in humans and animal blood and their elimination. A. I. Rerzypova. *Trudy Moskovsk. in-st. inst. virus. prep.* no. 3 101-105 1965.

Resistance of hemagglutinating and infectious activity of adenoviruses to various physicochemical effects. R. S. Diezin, E. L. Zolotareva. *Vop. virus.* 11 no. 6 689-696 N-D 1966.

## HEMATITE

Nonogram for determining the absolute magnetite and hematite content of hematite-magnetite ores and rocks on the basis of the data of chemical analyses. N. A. Plaksenko. *Trudy VGU* 63 117-119 1965.

## HEMATITE CRYSTALS—MAGNETIC PROPERTIES

Piezomagnetic effect in  $\alpha-Fe_2O_3$ . V. P. Andatskiy, A. S. Borovik-Romanov. *Zhur. eksp. i teor. fiz.* 51 no. 4 1036 O 1966.

## HEMATOENCEPHALIC BARRIER

Changes in the permeability to penicillin of the hemato-encephalic barrier in rabbits in experimental staphylococcal infection. E. Rudzilis. *Pat. fiziol. i eksp. i teor. fiz.* no. 3 82-83 1964.

## HEMATOLOGY

Hematological changes in compression phase of compression syndrome in irradiated and non-irradiated animals. M. I. Uliyanov. *Radiobiologiya* 6 no. 6 842-843 1966.

## HEMATOLOGY—CONGRESSES

Ninth International Congress of Hematologists; informational report. G. A. Aikseev, M. G. Abramov, V. M. Beigol'ts. *Probl. gemat. i pcel. krov.* 8 no. 3 55-61 M 1963.

## HEMATOPOIESIS

Changes in the peripheral blood and bone marrow in animals irradiated in a state of nervous depression or stimulation. T. M. Kondrat'eva. *Vop. radiobiol.* 1: 154-164 1961.

Combined treatment of acute radiation sickness with hemopoiesis stimulants and antibiotics. S. E. Mnollov, L. V. Fainshteyn, E. I. Shcherbak. *Vop. radiobiol.* 4 406-411 1961.

Effect of experimental hypothyreosis on hemopoiesis restoration in irradiated rats. N. N. Petel'shchev. *Radiobiologiya* 6 no. 6 844-847 1966.

## HEMATOPOIETIC SYSTEM

Study of the electron microscopic structure of cells of the hemopoietic tissue. Report No. 1. Effect on microscopical picture of hemopoietic elements in healthy people. E. I. Terent'eva, T. G. Krasnoshevskaia. *Probl. gemat. i pcel. krov.* 8 no. 3 3-10 M 1963.

## HEMATOPOIETIC SYSTEM—CANCER

Effect of the intensity of the radiation dose on the frequency of tumor development in the hemopoietic system of mice. S. N. Aleksandrov, K. F. Galkovskaya. *Vop. onk.* 9 no. 3 40-44 1964.

## HEMATURIA

Changes in the wall of the urinary bladder of cows in chronic hematuria. V. N. Golovach, A. M. Lomishko. *Veterinarika* 43 no. 12 63-64 D 1966.

## HEMIANOPIA

Latent period of motor reactions in hemianopia. A. S. Arutunova, S. M. Blinkov. *Zhur. vys. nerv. i dol.* 12 no. 3 432-436 My-Je 1962.

## HEMINS—TOXICOLOGY

Characteristics of toxic effects of two hemin poisons: cyanide and azide—appearing under conditions of their synergism. Z. N. Ivanova. *Trudy LPMI* no. 32 46-49 1965.

## HEMIPTERA

Labium of Hemiptera (Heteroptera). L. V. Puchkova. *Dop. AN URSS* no. 7 964-967 1963.

## HEMIPTERA, FOSSIL see subdivision under Transbaikalia

## HEMOGLOBIN

Amount of hemoglobin and erythrocytes in young salmon of various ages in a hatchery and after its planting in a river. I. N. Ostrovskaya. *Trudy MMBI* no. 12 176-186 1966.

Cyanmethemoglobin method for the determination of hemoglobin and standardization of hemoglobinometry. G. V. Derizh, A. M. Kats, A. S. Kantorovich. *Dokl. AN SSSR* 29-31 1971.

Effect of whole-body X-ray irradiation on hemoglobin synthesis in vitro by hemolysates of sickle cells. T. V. Kazueva. *Radiobiologiya* 6 no. 6 117-119 1966.

Hemoglobins of some mammals as polyelectrolyte systems. I. M. Matveeva, V. V. Opeylov. *Biokhimiya* 1: no. 3 836-842 S-O 1962.

## HEMOLYSIS AND HEMOLYSINS

Antibodies to antibody-lysates in a chromatographic column exposed to gamma-radiation. O. G. Alekseeva. *Radiobiologiya* 6 no. 5 100-111 1966.

Antiepileptic reaction in dermatology. P. Mikhlin, D. Naumova. *Vest. dermat. i ven. z.* no. 1 10-13 1964.

Constants of the rate of erythrocyte lysis by the action of Clostridium perfringens type A in various media. N. F. Stenobit, I. G. Polozova. *Zhur. mikrobiol. i upr. i immun.* 33 no. 6 115-117 Je 1962.

## HEMOPHILIA

Surgical interventions in hemophilia. G. M. Alimov. *Khirurgiya* 12 no. 11 101-108 N 1966.

## HEMORRHAGE

Anesthesia and the loss of blood in operation on the lungs in tuberculosis. R. G. Mamedova, H. N. Zhilina. *Vest. med. zhur.* no. 7 10-17 J1 1962.

Effectiveness of emollient oxygen and ether anesthesia in repeated human hemorhages in a state of shock. A. V. Mininuk. *Byullet. inozh. i vnutr. z.* no. 4 10-13 N-D 1963.

Experimental study of the portal circulation during the agonial period and during resuscitation following a fatal death. H. M. Levin. *Byullet. inozh. i vnutr. z.* no. 4 33-36 My 1963.

Hemorrhagic mechanism in plague. Report No. 2. Experimental constant in experimental plague. I. I. Kiselev, A. V. Gerasimov. *Byullet. inozh. i vnutr. z.* no. 4 10-13 N-D 1963.

Some data on a relationship between a hemorhagic phenomenon in dogs following acute radiation sickness and topography of peripheral nervous system injury. B. I. Lebedev. *Radiobiologiya* 6 no. 6 840-850 1966.

## HEMORRHAGIC FEVER see subdivision under Volga Valley

## HEMORRHOIDS

Aleksandrov, G. N. [Pathogenesis and conservative treatment of hemorrhoids]. *Patogenez i konservativnoe lechenie gemorroidov*, 2. Izd., Tashkent, Izd-vo "Meditsina" USSR, 1966, 80 p. (DNLN)

## HEMP

Embryological investigation of the change of sex in hemp. Kh. I. Rudenok. *Dokl. bot. zhur.* 90 no. 1 11 20 1961.

## HEMP—DISEASES AND PESTS see subdivision under Ukraine

## HEMP—FERTILIZERS AND MANURES (see also subdivision under Zhilkomir Provinsiy)

Root and foliar feeding of hemp. M. D. Khasht. *Pochv. i v. i efek. udob.* no. 1 118-119 1961.

## HEMP INDUSTRY—EQUIPMENT AND SUPPLIES

Differentiation of the process of hemp bleaching. V. V. Sushkova. *Zh. v. v. i efek. udob.* no. 1 118-119 1961.

## HEPARIN—THERAPEUTIC USE

Study of anticoagulative properties of the collagenolytic complex. V. L. Lemenov and others. *Trudy I-go MGU* 49:278-287 1966.

## HEPATIC VEINS—RADIOGRAPHY

Some problems of hepatic phlebography. V. K. Abramov. *Trudy Novokuz. GIMUVA* 32:30-32 1965.

## HEPATITIS, INFECTIOUS

(see also subdivision under Amur Province)

Activity of serum transaminases in epidemic hepatitis in children. K. A. Amirzhanov. *Azerb. med. zhur.* 4: 60-66 Ag 1962.

Clinical and diagnostic significance of the heteroimmunoglobulin reaction in Botkin's disease; author's abstracts. M. A. Shinkovskiy, V. I. A. Solovet. *Zhur. mikrobiol. i epid. i immun.* 33 no. 6 89 Je 1962.

Clinical significance of transaminase and phosphatase enzymes in Botkin's disease. N. B. Tugolova. *Azerb. med. zhur.* 4: 40 no. 4 132-38 Ap 1963.

Development of anicteric and atypical forms of Botkin's disease. A. G. Vinogradova. *Azerb. med. zhur.* 4: 40 no. 4 132-38 Ap 1963.

Diagnosis of anicteric forms of Botkin's disease in an epidemic focus. M. N. Zak. *Zhur. mikrobiol. i upr. i immun.* 33 no. 6 87-88 Je 1962.

Epidemiology and epidemiology of infectious hepatitis. N. V. Kiseleva. *Veterinarika* 43 no. 11 177-30 N 1964.



**HEPATITIS, INFECTIONS (Continued)**  
 Reactions in epidemic hepatitis. M. D. Aleinik, I. N. Khizhniakova. Vop virus 8 no 1 502-505 Ji-Ag '63

Immunofluorescence method for detecting antigen in the cells of infectious hepatitis patients. F. S. Kretladze. Vop virus 11 no 6 675-680 Ji-D '66

Protein fractions of the blood serum in epidemic hepatitis in children. K. V. Ambudzhanov, T. L. Pashova. Azerb med zhur 10 no 2 19-21 Ji '63

Some problems of tungsten metabolism in epidemic hepatitis. G. I. Dontsov. Sov med 29 no 12 11-16 D '66

Study of an outbreak of epidemic hepatitis in a school. R. S. Chladnitskaya. Zhur mikrobiol i epid i immun 13 no 11-140 N '66

Study of viruses isolated from Botkin's disease patients and their contacts. O. A. Nurovskaya. Vop virus 11 no 6 721-721 N-D '66

Use of the aldolase test among the contacts in the foci of epidemic hepatitis (Botkin's disease), author's abstract. Z. I. Begayeva. Zhur mikrobiol i epid i immun 33 no 6 89-90 Je '62

**HEPATOLENTICULAR DEGENERATION**  
 Changes in the content of serum mucoproteins in hepatocellular dystrophy. L. G. Lashit, D. N. Cherkashchenko. Vop med. khim 12 no 6 546-600 N-D '66

**HEPTANE**  
 Kinetics of benzene adsorption by silica gel from mixture with n-heptane. V. V. Veselov. Koll zhur 28 no 6 797-800 N-D '66

**HEPTANOIC ACID**  
 Carbochain polymers and copolymers. Part 12: Graft copolymers of acrylonitrile and methacrylate polyester of 1,7-hydroxyoctanoic acid. G. S. Kolarikov, G. T. Gungulidze. Vysokom soed 1 no 11 1709-1713 N '62

**HEPTENE**  
 Liquid phase hydrogenation of 1-heptene on ruthenium-palladium catalysts of different composition. D. V. Sokol'skii and others. Trudy Inst khim nauk AN Kazakh SSR 11 222-225 '66

**HERBICIDES**  
 Change in botanical forms of mountain tall-grass meadows under the effect of herbicides. F. V. Chernogubov. Agroklimatika no 12 105-109 D '66

Change in chlorophyll-protein-lipid complex stability in plants treated with sodium salts of chlorophenoxycetic acids. S. M. Mashitkov, I. I. Paronichuk. Dokl AN BSSR 10 no 10 792-795 O '66

"Domestic" means against pests. B. Mal'ko. Zashch. rast 11 no 12-36 '66

Effect of herbicides on the technological quality of raw cotton and cotton fibers. M. S. Mal'bal. Trudy Un. chuzh. mur. 14, Ser. Khim. nauki no 1 139-143 '66

"Efian-99," a new highly effective herbicide. Shamkhal Namedov, O. B. Osipov, V. M. Zaslavskaya. Dokl AN Azerb. SSR 18 no 4 31-34 '62

Herbicide activity of some aryl-, alkyl-, and arylalkyl-arsenic acids. V. V. Babkin and others. Khim. v sel' khov 1 no 12, 13-15 D '66

Methods for the placement of herbicides in soil. V. A. Kolesnikov. Khim. v sel' khov 1 no 12 36-39 D '66

Photosynthesis and Hill reaction changes in various corn forms on affected by 2, 4-D and 2M-4X. S. M. Mashitkov, I. I. Paronichuk. Dokl AN BSSR 10 no 9 691-694 S '66

Protection of plants against pests and diseases. Inform. biol. VDNKh no 9 11-12 S '62

Use of avadex and thalline against wild oris; (review of foreign literature). A. S. Korlov. Khim. v sel' khov 1 no 12 86-89 D '66

**HERBICIDES—TESTING**  
 Results of testing herbicides in sugar beet fields of Kuzsk Provintse. V. I. Lobanov. Khim. v sel' khov 4 no 12 39-42 D '66

Testing preparations. N. Bebekh, Kh. Igamberdiyev, N. Protasov. Zashch. rast. 11 no 11-29 '66

**HEREDITY OF DISEASE**  
 Characteristics of psychoses and character anomalies in families of schizophrenics. L. N. Vidmanova and others. Zhur nevroi. i psikh. 66 no 12 1846-1854 '66

Role of the hereditary factor in the development of insulin. I. I. Isaeva, V. F. Mikhnev, Zhur. nevroi. i psikh. 67 no 1 22-24 '67

**HERMAPHRODITISM**  
 Problem of so-called testicular feminization (pseudohermaphroditism with the testes in the inguinal canal). B. K. Veltzode, L. I. Arulin. Probl. endok. igon 9 no 1 109-102 Ja-F '63

**HEROES** see subdivision under Tambov Province

**HEROES IN LITERATURE**  
 Heroes do not die. K. Evgrafov. V mire knig 6 no 10 38 O '66

**HERRING**  
 (see also subdivision under Atlantic Ocean, Bering Sea; Topota region, Kamchatka)

Determining fat content in herring under commercial conditions. I. P. Minder, L. I. Konstantinova. Trudy PINRO no 13 63-76 '62

Effect of water temperature and abundance of some herring species on their growth dynamics. G. A. Bugdanov, S. S. Fedorov. Ryb. khoz. 12 no 11 8-10 '66

Fedorov, S. S. [Biology and fisheries of sea herring]. Biologiya i priroisvet moroi sel'di. [Moskva, 1966] 139 p.

Submarine observations of the reaction of herring to an artificial light. O. A. Sokolov. Trudy Ocean. rim 11 103-104 '62

**HERTZEN, ALEKSANDR IVANOVICH, 1812-1870**  
 Herzen and the Ukraine. Leonid Khinkulov. Sov. Ukr. 13 no 4 161-170 Ap '62

**HETEROCYCLIC COMPOUNDS**  
 Some syntheses of five-membered heterocyclic compounds carried out by means of iodine cyclization reaction. V. I. Staninets, E. O. Shylov. Dop. AN URSR no 11 174-1476 '62

**HETEROCYCLIC COMPOUNDS—SPECTRA**  
 Superfine structure of electron paramagnetic resonance spectra of heterocyclic analogs of diphenylpicrylhydrazyl. I. U. M. Rydmanov and others. Dokl. AN BSSR 171 no 5 1120-1122 D '66

**HEXADIENE**  
 Synthesis and structure of dichlorohexadecene-1,5-palladium. I. A. Zakharenko and others. Zhur. neorg. khim. 11 no 11 2513-2519 N '66

**HEXAMETHYLENETETRAMINE**  
 Studying the formation of imide polymers in presence of hexamethylenetetramine. A. L. Peshekhonova and others. Trudy MHIPI no 42 137-142 '63

**HEXAMETHYLENIMINE**  
 Quantitative determination of acrylonitrile by means of hexamethylenimine. A. P. Terent'ev and others. Vest. Mosk. un. Ser. 2. Khim. 17 no 5 83-84 S-O '62

**HEXANAMIDE**  
 Effect of stabilizers on the adhesion of polyacrylonitrile to steel. L. B. Kovalevskaya and others. Plast. massy no 12 67-68 '66

**HEXANE**  
 Synthesis of ethers of 2,5-dimethyl-2,5-hexane bis(hydroperoxide). V. S. Guskusha-Borzhko and others. Ukr. khim. zhur. 42 no 12 1315-1316 '66

**HEXANOL**  
 Some derivatives of 2-chlorohexanol. V. M. Dashunin, A. V. Kozlova. Trudy VNIISNDV no 7 21-25 '65

**HEXATHIAADAMANTANE**  
 Possibility of the use of tetramethylhexathiaadamantane as additive to lubricating oils. I. A. M. Stobodin, S. G. Hozemirg. Khim. i tekhnol. i masel. 11 no 11 47-19 N '66

**HEXENE**  
 Ozonization of 1-hexene and properties of ozonides. S. D. Razumovskii and others. Zhur. org. khim. 2 no 11 1942-1946 N '66

**HEXOBARBITAL**  
 New color reaction for luminol and hexenol. V. I. Lobanov. Apt. delo 12 no 1 179 Ja-F '63

**HEXOKINASES**  
 Hexokinase activity in cellular fractions of the liver in healthy and alloxan-diabetic rabbits. M. P. Pomin. Biokhimiya 28 no 2 232-237 Mr-Apr '63

Participation of hexokinase reaction in the effect of corticoids and insulin on the rate of rigor mortis of the skeletal muscles. E. V. Moreva. Trudy LPMI no 32 96-102 '65

Relationship of insulin, oxytocin and vasopressin to yeast hexokinase. G. V. Titova. Biokhimiya 31 no 6 1107-1110 N-D '66

**HEXONIUM**  
 Effect of the block of vegetative ganglia on some indices of the immunological reactivity of the body. O. A. Babayeva. Azerb. med. zhur. 40 no 2 66-70 F '63

**HEXOSAMINES**  
 Hexosamine-containing compounds of the lipopolysaccharide type in the leaves of higher plants. B. N. Gladyshev. Biokhimiya 28 no 2 210-215 Mr-Apr '63

**HIATAL HERNIA**  
 Case of a dextral parasternal diaphragmatic hernia. I. M. Erlikhman, I. I. Gordeev. Azerb. med. zhur. no 7 63-65 Ji '62

Ease of strangulated hiatus hernia of the diaphragm. G. G. Aliev. Azerb. med. zhur. 40 no 9 60-71 S '63

**HIBISCUS** see subdivision under Kiev

**HIDES AND SKINS—PRESERVATION**  
 Mitofanov, L. A. [Preservation of raw hides and fur-in and fur-out type peltry, methods for quality preservation]. Sokhnanenie kozhevnogo, shubnogo i mekhovogo syr'ya; metody sokhnaneniya rachevstv. Moskva, Ekonomika, 1966, 91 p. (Biblioteka zagotovitel'ia zhivotnovodcheskikh produktov i syr'ia)

Preservation of hides and skins. B. M. Dushyn. 1. eh. prom. no 2 10-31 Ap-Je '62

**HIGH ENERGY FORMING**  
 Developing technological processes for high speed forming of metals. I. U. P. Segishin and others. Kuz. - stalm. proizv. 8 no 12, 5-9 D '66

**HIGH MOLECULAR WEIGHT COMPOUNDS** see Macromolecular compounds

**HIGH PRESSURE RESEARCH**  
 Effect of pressure on magnetic transformations of manganese arsenide. N. P. Chazhblankin, I. U. S. Beresenev. Zhur. eksp. i teoi. fiz. 51 no 1 1052-1058 O '66

Phase transition on germanium telluride at high pressures. S. S. Kibalkina, L. P. Vereshchagin, N. R. Seidmanova. Zhur. eksp. i teoi. fiz. 51 no 5 1358-1362 N '66

**HIGHER EDUCATION** see Education, Higher

**HIGHWAY CONSTRUCTION** see Road construction

**HIGHWAY RESEARCH**  
 Contribution of science to production. Avt. dor. 29 no 12 1-2 D '66

Wearing down of automobile tires in relation to slope of road along roadbed, comparison of varying types of highways. S. B. Nikitin. Izv. vuz. ucheb. zav., stol. iarkhit. 9 no 9 107-112 '66

**HIGHWAY TRANSPORT WORKERS** see subdivision under Moscow

**HINDU SCULPTURE** see Sculpture, Hindu

**HIP JOINT—FRACTURE**  
 Late results of the surgical treatment of closed fractures of the hip. I. I. Sokolov, V. I. Tuzin. Trudy Inst. im. N. V. Sklif. 7 281-287 '63

Vascular thromboses in fractures of the hip. E. V. Volchok. Trudy Inst. im. N. V. Sklif. 7 392-396 '63

**HIP JOINT—TUBERCULOSES**  
 Surgical treatment of fistulous forms of tuberculous coxitis. N. N. Buntatov. Azerb. med. zhur. 40 no 4 73-79 Ap '63

**HIPPURIC ACID METABOLISM**  
 Disorders in the synthesis of hippuric acid in white rats during intoxications caused by the effect of chemical substances used in industry. P. G. Garkavi and others. Toks. nov. prom. khim. i zashch. no 8 5-14 '66

**HISTAMINE**  
 Dynamics of the changes in the content of histamine in the blood and cerebrospinal fluid in dogs following explanation of extracutaneous. I. L. Vaisfeld and others. Trudy i go. MMT 40 197-206 '66

Effect of Pastenella pestis toxin on the histaminergic effect of the blood in white rats and guinea pigs. I. V. Domaradskii, V. L. Kuznetsov. Bul. eksp. biol. i med. 55 no 5 16-61 My '63

Histamine-histaminase system in Escherichia coli endotoxin intoxication. K. A. Korovnikov. Pat. fiziol. i eksp. terap. no 3 41-44 '61

**HISTAMINE METABOLISM**  
 Effect of polymyoinin on the content of histamine and serotonin in the blood and tissues in rats. S. T. Filipovskaya. Antibiotiki 11 no 11 1011-1017 N '66

**HISTOCHEMISTRY**  
 Cytological and cytochemical examination of primary and continuous kidney cell cultures of the African green monkey (Cercopithecus aethiops) infected with the simian virus SV40. V. A. Karmysheva and others. Vop. virus 8 no 4 460-466 Ji-Ag '63

Histochemical demonstration of some protein substances and proteolytic enzymes in neurons of different parts of autonomic and motor analyzers in cats. L. M. Gershtein. Tsitologiya 8 no 5 630-642 S-O '66

Histochemical study of changes in oxidation-reduction enzymes in the process of viral carcinogenesis. N. T. Raikhlis, E. A. Smirnova, I. I. Leshina. Vop. virus 11 no 6 711-717 N-D '66

Methodology for the isolation of a portion of the myocardium in a determined phase of the cardiac cycle for subsequent biohistochemical and autoradiographic examination. A. N. Modellanovskii and others. Fiziol. zhur. 48 no 10 1277-1279 O '62

**HISTOLOGY**  
 Effect of cytotoxic antilymphatic serum on the cellular composition of lymph nodes. E. M. Kiperavasser. Pat. fiziol. i eksp. terap. no 3 49-53 '64

Ultrastructure of cerebral capillaries. N. N. Bogolepov. Zhur. nevroi. i psikh. 66 no 12 1787-1802 '66

# TOLOGY—DICTIONARIES

see, V. G., Yu. N. Kopyev, and I. R. Kliachinskaya. Ukrainian histological. Moskva, Meditsina, 1965, 181 p. 15 languages]

[MICROFILM]

# ORIANS, NORTH OSSETIAN

see, S. K. K. Dzhannayev. Ist. Sov. -Chet. nauch. Ist. inst. 25-81-01 '66.

# ORIC HOUSES, ETC.

• Society for Protection of Historical and Cultural Monuments. Ist. SSSR 10 no. 6 200 N-D '66

# ORICAL CHRONOLOGY see Chronology, Historical

# ORICAL MARKERS

see also subdivision under Ukraine)

ve popularization of historical and cultural monuments. I. Kovtishki. Izvestiya 29 no. 10 44-45 '66  
wreath of glory. I. Tzarev. Agriculture 31 no. 23 33 '66

# ORICAL MATERIALISM

yski-na-Donu gosudarstvennyi pedagogicheskii  
titul. knizhna (Moskva). [Problems in historical  
dialectical materialism] Voprosy dialekticheskogo  
toricheskogo materializma. [Rostov-na-Donu] Ro-  
skeo kulzhnoe izd-vo, 1966, 214 p.

# ORY

of notes. Voprosy 11 no. 12 100-101 D '66.

RY—BIBLIOGRAPHY see Bibliography—  
tory

# RY—METHODOLOGY

tailed dialectic and the special methods of historical  
arch. A. F. Klimov. Ukr. ist. zhur. 10 no. 12:43-  
4 '66.

# RY—STUDY AND TEACHING

Krupskaya on history classwork. M. I. Khrushchak.  
ist. zhur. 10 no. 11:20-122 N '66.  
monied planning of educational material in history  
es of the 6th-8th and 9th-11th grades in the second  
year of the 1966/67 school year. V. S. Grubov. M. I.  
shchinskaya. Voch shk. shkola 9 no. 6:42-50  
'66.

# RY

z. Lev. Khokkel. Hockey. [Moskva, Izd-vo  
istva pechal' Novosti, 1966] 91 p. [Parallel texts  
Russian and English]

# RY'S DISEASE

also subdivision under Chernigov Province)

of form of roentgenological manifestation of mal-  
t lymphogranulomatosis. B. I. A. Luk'ianchenko.  
Vereslegin. Vop. onk. 9 no. 3:3-87 '63.

# OLERA

ientist and some problems in the pathogenesis  
of cholera. M. S. Zhukov. Veterinariia 43 no. 11:  
N '66.

# OLERA—PREVENTIVE INOCULATION

see of short-interval vaccination against hog  
a, paratyphoid fever, and swine plague for the  
vation of swine on farms with hog cholera in-  
on and hazard. I. V. Okunov, G. F. Epifanov.  
trud. Shor. nauch. rab. SibNIPI no. 11 125-130 '62.  
of the aerosol immunization of swine against  
olera using powder vaccine of the avirulent dried  
virus vaccine strain. A. V. Selivanov, G. A.  
lina. Shor. nauch. rab. SibNIPI no. 11 135-137 '62.

ion of swine against hog cholera using reduced  
of the avirulent dry lapinized virus vaccine. I. V.  
ov, G. F. Epifanov, G. I. Pashin. Shor. nauch. rab.  
1 no. 11 119-123 '62.

ion of swine against hog cholera using reduced  
of tissue crystal violet vaccine in an experiment.  
untsov, V. M. Brikh, T. P. Zharkova. Shor.  
rab. SibNIPI no. 11:131-133 '62.

# I MACHINERY

in of a skip hoist with asynchronous drive and  
of skips with deceleration dependent control.  
ogorodov. Izv. vys. ucheb. zav. elektromekh  
1271-1278 '60.

ig R. F. Il'in's article "Dynamics of descending  
lifting parts of hoisting rope." N. P. Neronov.  
30 no. 3:100-110 '61

vertical apparatus of petrochemical and chem-  
ists. E. Boborykin. Na stol. Ros. 1 no. 10:11

V. A. [Metallurgical hoisting and conveying  
of] Metallurgicheskie pod'emno-transportnye  
Moskva, Metallurgizdat, 1966, 254 p.

H. L. [National holidays today] Narodni  
hodon. Kyiv, [Vyd-vo "Radians'ka Ukraina"]  
p. [Tovarystvo "Znannya" Ukrain's'koi RSR.  
1, no. 10]

# HOME AND SCHOOL

For teachers and parents. N. I. Diakhiyev. Vest. vys.  
shkoly 24 no. 12:56-58 D '66

# HOME ECONOMICS—ACCOUNTING

Matlukha, I. A. [Statistics of the population's budget]  
Statistika byudzhetov naselenia. Moskva, Statistika,  
1967 240 p

# HOME ECONOMICS—DICTIONARIES

[Concise home economics encyclopedia in one volume]  
Kratkaya entsiklopediya domashnego khozaistva v odnom  
tom [Izd. 3.] Moskva, Sovetskaya entsiklopediya,  
1966 1342 columns.

# HONEY SUCKLE

Formation of generative buds in Weigela praecox and  
Weigela middendorffiana. I. V. Kojshova-Semenchen-  
ko, I. A. Frolova. Vest. Mosk. univ. 21 no. 1:61-68 11-12 '66

# HOODLUMS

Nigal, M. A. [Socialistic legality watches over the public  
order] Sotsialisticheskaya zakonost' na strazhe ob-  
shchestvennogo poriadka. Alma-Ata, "Kazakhstan,"  
1966, 58 p.  
(CS-II)

# HOOKWORM DISEASES

Disorder of iron metabolism in ancylostomiasis. F. I.  
Soprunov. Med. parazit. i parazit. bol. 32 no. 2:159-163  
11-12 '63

# HORMONE RESEARCH

Some problems of hormoneology and thyroid gland reg-  
ulation. A. A. Volkovich, A. V. Tkachev. Usp. sov. biol.  
62 no. 3:430-445 N-D '66.

# HORMONE THERAPY

Compound hormone therapy in diffuse forms of alopecia.  
I. N. Vinokurov. Sov. med. 28 no. 12 118-123 D '66

Effect of hormone therapy on morphology of adrenal  
cortex in rheumatic fever. L. I. Arutin. Trudy 1-go  
MMI, 43 24-33 '65.

Reasons for and characteristics of hormone therapy in  
malignant tumors of the testicle. L. F. Iunda. Klin. onk.  
1 no. 1 95-103 '65.

Significance of the study of the functional state of the  
adrenal cortex in a clinic of internal diseases. M. A.  
Alekperov. Azerb. med. zhur. 40 no. 2:56-61 D '63

Use of cortisone and ACTH in spring catarrh and in its  
conjunction with trachoma. K. A. Allvade. Azerb. med.  
zhur. no. 8 33-39 Ag '62

# HORMONES

Characteristics of the reaction to antidiuretic hormone in  
physiology. V. F. Vasil'ova, A. G. Ginetinskii, M. M.  
Sokolova. Fiziol. zhur. 48 no. 10:1240-1245 O '62

Decidual transformation of the uterine mucosa in a  
patient with breast cancer as a manifestation of general  
hormonal disorders. A. K. Ageev. Vop. onk. 9 no. 3:  
116-118 '63.

Hormones of insects. N. A. Tamarina. Usp. sov. biol.  
62 no. 3:415-429 N-D '66

Mechanism of changes in the sensitivity of organs to  
physiologically active substances related to various  
hormone concentrations in the organism. I. A. I. Arhipa,  
A. N. Mal'kov. Dokl. AN SSSR 171 no. 5:1234-1236  
D '65.

Participation of hexokinase reaction in the effect of  
corticoids and insulin on the rate of rigor mortis of  
the skeletal muscles. E. V. Moreva. Trudy LPMI  
no. 32 96-102 '65

# HORMONES (PLANTS)

Phytohormone abscisic acid. A. A. Shamshurina. Prir. otda  
55 no. 12:60-61 '66.

# HORMONES, SEX

Purification of gonadotropic hormone preparation by ion-  
exchange chromatography on diethylaminoethyl cellulose  
and zonal electrophoresis on starch. A. I. Minina.  
Biohimia 27 no. 5:805-813 S-O '62.

# HORSE SHOWS

International fair-exhibitions at the Exhibition of  
Achievements of the National Economy and Moscow  
Hippodrome. Inform. bliz. VDNKH no. 8 17-18 Ag  
'62.

# HORSEFLIES see subdivision under Bryachy Island

# HOSIERY INDUSTRY see subdivision under Kiev

# HOSIERY INDUSTRY—EQUIPMENT AND SUPPLIES

New technology for the manufacture of stockings and  
socks. D. T. Braha. Leh. prom. no. 2:21-27 Ap-  
Je '62.

# HOSPITAL CARE

Burmistrova, N. N. [Pedagogical work with the sick child]  
Pedagogicheskaya rabota s bol'nym rebenkom. Moskva,  
Meditsina, 1964, 157 p.  
(DNLM)

# HOSPITALS—DESIGN AND CONSTRUCTION

Experimental design of a 1,100-bed hospital. Arkhit.  
SSSR no. 7:58-60 '63

# HOSPITALS—OUTPATIENT SERVICES

(see also subdivision under Ukraine)

Experience in the outpatient service for a neurologic  
personnel of the Caspian steamship line. A. A. Krut'ko.  
Azerb. med. zhur. 10 no. 1:83-87 Ap '63.

# HOSPITALS, RURAL see subdivision under Belyi, Kaliva, Perm Province

# HOT-AIR HEATING

Hot-air heating system. G. Kokotashvili. Sov. tekhn.  
18 no. 11 28 N '61

# HOT-WATER HEATING

Double-shoot steel heating panels. V. M. Giv'ar. V. tekhn.  
18 no. 11 28 N '61

HOT-WATER HEATING—EQUIPMENT AND SUPPLIES  
see subdivision under Latvia

# HOTELS, TAVERNS, ETC. see subdivision under Ukraine

HOTELS, TAVERNS, ETC.—DESIGN AND CONSTRUCTION  
see subdivision under Khosha (Krasnodar Territory),  
Krasnodar, Petrovsk (Montenegro)

# HOTELS, TAVERNS, ETC.—FINANCE

Hotels' sources of income, and material incentives.  
G. Zhukov. Sots. trud 11 no. 12:40-53 D '66

# HOURS OF LABOR

(see also subdivision under Krasnoyarsk Territory,  
Leningrad; Ural Mountain region)

Compute the expenditure of labor in man hours. K. I. I. I.  
ov. Ekon. sel'khoz. 42 no. 12:99-101 D '66

Economic indices of eight- and seven-hour watch and  
work schedules on ships. N. I. Povaliyev. Trud. shkol.  
MosNIIPromk no. 7 70-82 '65

The five-day workweek in the Kurnetsk Basin mines.  
M. I. Sizintsev. Izv. SO AN SSSR no. 9, Sci. obshchestv.  
nauk no. 3:15-18 '66

The five-day workweek schedules and wages. S. I. I. I.  
govin and others. Sots. trud 11 no. 12:120-130 D '66

General conclusions from the work experience under  
new conditions. Part. zhizni no. 1 48-49 Ja '67.

Motor vehicle drivers' working hours. L. Koshalikh.  
Otkr. tuda i sots. stikh 9 no. 12:21-25 D '66

Two rest days; problems and concerns. B. Roshan,  
V. Ladelschikov. Part. zhizni no. 1:45-17 Ja '67

# HOUSEHOLD APPLIANCES, ELECTRIC—PRICES

Planning for prices for electric household appliances.  
V. Vasilevskii. Plan. khoz. 43 no. 1 83-81 Jo '67.

# HOUSING—LAW AND LEGISLATION

Exchange of rooms and apartments in a house owned by  
a cooperative residential building association.  
M. Karlasheva, A. Peigament. Sov. iust. 30 no. 2:  
10-17 D '66.

Mandatory exchange of rooms and apartments. V. Sorokov.  
Rad. pravo 29 no. 12:34-35 D '66

Rights of the tenants of separate apartments. T. Skolnik.  
Sots. zakon 13 no. 12:33-35 D '66.

Ways to eliminate the debts caused by the failure to pay  
rent in time. E. Kurdover. Sov. iust. 30 no. 2:27  
D '66.

# HRABOV'S'KYI, EMIL'

Shandor, L. Z. [Emil' Hrabov's'kyi; a sketch of his life  
and work] Emil' Hrabov's'kyi, narays'ko zhyttni i  
tvorchist'. Kyiv, Derzh. vyd-vo obrazovtorekhnogo  
mystelstva i muzychesnoi id-ryi URSR, 1962, 30 p.  
(CNOTU)

# HRUSHEVS'KYI, MYKHAILO, 1866-1934

Why did Mykhailo Hrushevs'kyi return to the Soviet  
Ukraine? P. P. Shevchenko. Ukr. ist. zhur. 10 no. 11:  
13-30 N '66.

# HULLS (NAVAL ARCHITECTURE)

Changes in the stressed state of the ship's hull during  
operation and repair. K. M. Gatovskii, I. A. Guntin.  
Trudy LITV no. 81 110-118 '65

Some problems of designing and building ship hulls of  
plastic materials. I. U. I. Nechaev. Trudy Kal. tekhn. inst.  
ryb. prom. 15:136-143 '62.

Some problems of the interrelationship between the hull  
construction and shipbuilding technology. A. A. Pravidin.  
Trudy Kal. tekhn. inst. ryb. prom. 15:144-150 '62.

# HUMAN BODY see Body, Human

# HUMAN EMBRYOLOGY see Embryology, Human

# HUMAN ENGINEERING

Bioclectric currents and possibilities for the design of  
new machines. M. Breido. Izobr. i rats. no. 12:  
8-9 '66.

Specificity of the origin and development of neuronic  
states in operators in the man-machine system. I. I.  
Gorbov, O. N. Kuznetsov, V. I. Lebedev. Zhur. nevi  
i psikh. 88 no. 12:1805-1812 '66

## HUMERUS—CANCER

Malignant chondromyxosarcomatoid fibroma of the humerus. S. I. Lipkin. Vop onk. 12 no 12 61-63 '66

## HUMERUS—FRACTURE

Fractures of the surgical neck of the humerus and their treatment. M. V. Khavento. Travnatologiya no 1 239-245 '65.

Final results of surgical treatment of complicated fractures of the humeral neck. N. Kh. Salakhmetdinova. Trudy Inst. im. N. V. Sklif. 7 338-342 '63

Supracondylar and transcondylar fractures of the humerus in children according to report data. A. A. Akum-dov. Azerb. med. zhur. no 3 63-66 Apr '62

Treatment and outcome of fractures of the eminentia capitata of the humerus. I. T. Linyah. Travnatologiya no 1 292-298 '65

## HUMIDITY

Study of the effect of the variation of relative air moisture on the deformation of leather parts during the manufacturing process and the storage of footwear. G. S. Klimchuk, I. U. P. Zubin. Izv. vuz. ucheb. zav. tekhn. leg. prom. no 5 108-116 '66

**HUMIDITY—EFFECT ON PLANTS** see Plants, Effect of humidity on

## HUMIDITY—PHYSIOLOGICAL EFFECT

Effect of air humidity on the vitality of micro-organisms in aerosols. V. V. Vlodavets. Mikrobiologiya 31 no. 2 350-356 Mar-Apr '62

## HUMUS

(see also subdivision under Ukraine)

Determining the effect of exchangeable calcium on the content of organic matter and total nitrogen in horizons of a brown humus. B. D. Zaitsev. Pochvovedenie no. 12 40-42 D '66

## HUNGARIAN LANGUAGE—DICTIONARIES—RUSSIAN

Kutsenko, V. L., comp. [Hungarian-Russian military dictionary. Approximately 25,000 terms.] Vengersko-russkii voennyi slovar'. Okolo 25 000 terminov. Moskva, Voenizdat, 1966. 416 p.

**HUNGARIAN STATESMEN** see Statesmen, Hungarian

**HUNGARIAN VISITORS** see Visitors, Hungarian

## HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. nos. 11-12 '60.

## HUNGARY—COMMUNIST PARTY

At the Congress of the Hungarian Socialist Workers' Party. K. Katushev. Part. zhizn' no. 1 60-71 Jan '67.

## HUNGARY—COMRADES COURTS

Comrades courts in the Hungarian People's Republic. D. Antalci. Pravoznavstvo no. 1 128-133 '65.

## HUNGARY—FOREIGN RELATIONS—RUSSIA

Soviet-Hungarian cooperation. Z. Mikhlin. Nov. vrem. 25 no. 8 20-21 F '67

## HUNGARY—HISTORY

"Hungary, our friend." R. Shrelnikav. Sov. radio i tel. 12 no. 6 38 Jan '63.

Participation of Hungarians in the European antifascist resistance movement. I. S. Repnytshev. Ukr. ist. zhur. 10 no. 12 58-61 D '66

## HUNGARY—LAND TENURE

Agrarian policy of the Hungarian Social Democratic Party, 1910-1914. D. Parkas. Ukr. ist. zhur. 10 no. 11 31-42 N '66.

## HUNGARY—ORIENTAL STUDIES

Oriental studies in Hungary, 1939-1964. G. Bilenfalvi. Nar. Az. i Afr. no. 6 161-169 '66.

## HUNGARY—PENSIONS

Pensions for workers and employees in Hungary. N. I. Azhislacheva, P. V. Mashanov. Sots. chesp. 41 no. 12 56-59 D '66.

## HUNGARY—RELATIONS (GENERAL) WITH THE UKRAINE

A session devoted to Ukrainian contacts with Hungary. N. M. Kabanova. Ukr. ist. zhur. 10 no. 11 158-159 N '66.

## HUNGARY—REVOLUTION, 1918-1919

Kun, Imre. [Bela Kun; reminiscences. Translated from Hungarian.] Bela Kun; vospominaniia. [Moskva] Molotova gvardia, 1966. 311 p. (Zhizn' zamchatel'nykh liudei. Seriya biografii, no. 17(430))

## HUNGARY—SOCIALIST PARTY

Agrarian policy of the Hungarian Social Democratic Party, 1910-1914. D. Parkas. Ukr. ist. zhur. 10 no. 11 31-42 N '66.

## HUNTING STORIES

Shorin, N. S. [Golden fleece; from a hunter's notebook.] Tushinki - zolotinki; iz knizhki okhotnika. Iaroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 88 p.

## HUS, JAN, 1369-1416

Jan Hus, on the 550th anniversary of his tragic death. G. I. Lipatova. Vop. ist. slav. no. 2 3-24 '66

## HUSA, VACLAV, 1908-1964

In memory of Václav Husa. I. M. Klimov, A. E. Mostalenko. Vop. ist. slav. no. 2 292 '66

## HYALURONIC ACID

State of hyaluronidase-hyaluronic acid system in burn sickness. P. L. Khramov, A. M. Panova. Pat. fiziol. i eksp. terap. no. 3 51-56 '64.

## HYALURONIC ACID—THERAPEUTIC USE

[Stimulation of regenerative processes] Stimulirovanie regenerativnykh protsessov. [By] Z. N. Zaprudskaya i dr. Moskva, Meditsina, 1966. 93 p. (Biblioteka prakticheskogo vracha) (DNLM)

## HYALURONIDASE

State of hyaluronidase-hyaluronic acid system in burn sickness. P. L. Khramov, A. M. Panova. Pat. fiziol. i eksp. terap. no. 3 54-56 '64.

## HYALURONIDASE—THERAPEUTIC USE

Treatment of some posttraumatic contractures with hyaluronidase. A. Kh. Ismailov. Trudy Inst. im. N. V. Sklif. 7 410-417 '63

**HYBRID CORN** see subdivision under Moldavia, Ukraine

**HYBRID CORN—FROST RESISTANCE** see subdivision under Moldavia

## HYBRIDIZATION

Genetic recombinations in intestinal bacteria. Report No. 1: hybridization between Escherichia coli and Shigella flexneri. A. P. Pechkov, A. A. Abdlov. Biol. eksp. biol. i med. 55 no. 5 88-90 My '63.

"Hybrid" antigen in monkeys (Theropithecus gelada and Papio hamidya). B. V. Konukhov, N. P. Bozhkov, M. V. Sazhina. Biol. eksp. biol. i med. 55 no. 5 111-114 My '63

## HYDATIDS

(see also subdivision under Armenia)

Anatomoclinical classification of alveococcosis. I. L. Bregadze, A. S. Kogan. Med. paraz. i paraz. bol. 31 no. 5 538-542 S-O '62.

Case of anaphylactic shock following a repetition of Cason's reaction. N. O. Anan'ina. Med. paraz. i paraz. bol. 31 no. 5 589-610 S-O '62.

## HYDRACRYLIC ACID

Synthesis and reactions of  $\beta$ -lactones. Part 2: Stability of  $\beta$ -trichloromethyl- $\beta$ -propiolactone ring. F. I. Lukatskiy, B. A. Vovsi. Zhur. org. khim. 2 no. 11 2012-2014 N '66.

## HYDRATION

Acid hydration and nucleophilic addition of alcohols and mercaptans to arylalkylthioacetates. I. U. A. Bolko, B. S. Kupin, A. A. Petrov. Zhur. org. khim. 2 no. 11 1923-1928 N '66

Hydration of propylene oxide in the presence of cation-exchanging ions as the catalysts. N. G. Politskiy, N. L. Potudina. Neftekhimiya 3 no. 5 706-712 S-O '63

## HYDRAULIC CONTROL

Study of hydraulic transmission with limited input power. V. A. Petrov. Avtom. i telem. no. 12 141-151 '66.

## HYDRAULIC CONVEYING

(see also subdivision under Kizel Basin)

Changes in coking properties of coals during their hydraulic conveying. V. A. Korshunov, V. M. Dinel'tsi. Koks i khim. no. 10 11-14 '66.

Institut gornogo dela im. A. A. Skochinskogo. [Moving hydraulic and air mixtures of rock in pipelines.] Dvizhenie gidro- i aeromass gornyykh porod v trubakh. Moskva, Nauka, 1966. 161 p.

Measures for preventing solid deposits in ash conduits. V. I. Vukhrov and others. Izv. vuz. ucheb. zav., energ. 9 no. 11 52-57 N '66

Powerful port loader. M. Nikulin. Rech. transp. 25 no. 12 59 '66.

## HYDRAULIC CONVEYING—TABLES, CALCULATIONS, ETC.

Basic parameters of hydraulic mining in making crosscuts. A. G. Gorkov. Shakht. strol. 10 no. 11 8-13 N '66.

## HYDRAULIC ENGINEERING

Calculating the winter coefficient K by the hydraulic method. F. F. Ryzov. Gidr. strol. 33 no. 8 44-46, 48 Ag '63

Calculation of protective and regulation structures from reinforced concrete beam tetrahedrons. F. Sh. Ishev. Strol. i arkh. Uzb. 7 no. 11 16-18 N '66

Coordinating conference on the problems of hydraulic engineering. I. E. Katsilev, E. L. Korsh. Gidr. strol. 33 no. 7 61 Jan '67.

Determining the solvent action of filtration flow in gypsumous rocks from the data of field observations. A. E. Oradovskaya. Trudy lab. inzh. gidrogeol. VODGEO no. 1 112-153 '62

Estimating the error of the method of fragments in calculating seepage below an apron. V. I. Dol'skiy. Dop. AN URSS no. 7 861-866 '63.

Flow calculations for water reduction in the excavations of dams and hydroelectric power stations. B. B. Veitgin. Trudy Lab. inzh. gidrogeol. VODGEO no. 4 89-111 '62

Flow from selected catchment areas. V. M. Shostakov. Trudy Lab. inzh. gidrogeol. VODGEO no. 1 112-120 '62.

Foreword. Trudy Gidroprometa no. 7 3-8 '62.

From the pages of foreign journals. Gidr. strol. 33 no. 7 56-58 Jan '63

Role of the Moscow Canal in the development of Soviet hydraulic engineering. M. Shumkova. Rech. transp. 21 no. 7 39-40 Jan '62

Simplified hydraulic calculation of a multistage ship. V. V. Smirnov, M. M. Zhuravlev. Transp. strol. 11 no. 11 50-51 N '61.

Selbs, M. M. [Practical hydraulics for irrigators.] Prakticheskaya gidravlika dlia irrigatorov. Moskva, Kolos, 1966. 151 p.

Technical and economic calculation of the cutoff depth and ground contours. V. P. Udovichenko. Gidr. strol. 33 no. 8 25-26 Ag '63

## HYDRAULIC ENGINES

Revolution irregularity of high-momentum radial-piston hydraulic motors. A. I. Puzhnikov. Sintechnic 28 no. 12 20-25 D '62.

## HYDRAULIC JUMP

Concerning a theory of hydraulic jump. V. S. Shchegolev, G. P. Shcheglov. Gidr. strol. 33 no. 8 48-50 Ag '63

Hydraulic calculations for the conjugation of the forbay and the afterbay in case of the flow through a trapezoidal gate into a trapezoidal channel. A. I. Puzanov. Ved. khoz. no. 4 133-138 '66.

## HYDRAULIC MACHINERY

Stresses transmitted by hydraulic generators to bearing structures. V. V. Mikhailov. Trudy Gidroprometa no. 7 116-140 '62

Study of the operating process of a single-stage hydro-mechanical transformer with forced rotation of the reactor. I. U. N. Aptov, B. O. Zhigzhitzhapov. Izv. vuz. ucheb. zav., energ. 9 no. 11 76-81 N '66

## HYDRAULIC MINING

Hydraulic fracturing and detaching of the face area is an efficient method of fighting methane gas of coal and gas. I. V. Bohnov, V. A. Shatlov. Bezop. truda v prom. 7 no. 5 17-20 My '63

## HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Donets Basin)

Effect of trimming the runners on changes in the characteristics of suction dredges. T. I. Mel'nikov. Izv. vuz. ucheb. zav., gor. zhur. 6 no. 5 133-137 '63

## HYDRAULIC MINING—SAFETY MEASURES

see subdivision under Donets Basin

## HYDRAULIC MODELS

Use of models in studying the seismic stability of earthwork canals. B. I. Isaev. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 6 38-41 '62.

## HYDRAULIC PRESSES

Hydraulic press for bent and glued blocks. Sh. I. Amzoev. Dni. prom. 15 no. 12 24 D '66

Programmed system of inductive pressure regulation in hydraulic systems. A. E. Tselchukenko. Kuz.-strem. proizv. 6 no. 12 28-30 D '66.

## HYDRAULIC STRUCTURES

Calculating the stability of the hydraulic structures of ports under conditions of a three-dimensional problem. L. F. Zlatoverkhovikov. Trudy Seluz-Mor. NII Proekt. no. 9 43-58 '66

Certain problems in the development of power-irrigation complexes. G. O. Levit. Gidr. strol. 33 no. 8 62-63 Ag '63.

Conferences and seminars. Gidr. strol. 33 no. 8 47 Ag '63.

Coordinating conference on the use of built-up reinforced concrete in hydraulic structures. N. V. Ruzin, P. G. Startsevit. Gidr. strol. 33 no. 7 59-60 Jan '63.

Determining the dimensions of the mattress revetment of river hydraulic structures. G. B. Rurua. Gidr. strol. 33 no. 8 39-42 Ag '63.

From the pages of foreign journals. Gidr. strol. 33 no. 9 52-57 Ag '63.

Increasing fatigue stress of concrete for precast hydraulic structures. B. F. Mikulovich. Trudy Gidroprometa no. 7 229-237 '62.



## HYDROGEN—PHYSIOLOGICAL EFFECT

Effect of redargem on cerebral blood circulation in patients having had insulin. D Khadzhiev Zhur neorg fiz. khim. 67 no 1 33-37 '67

## HYDROGEN—THERMAL PROPERTIES

Heat conductivity of helium and hydrogen mixtures. I. F. Golubev, Z. A. Rykova Gaz. prom. 11 no 11 38-50 '66.

## HYDROGEN BONDING

Hydrogen bonding and frequencies of stretching vibrations of N-H- and NO<sub>2</sub>-groups of nitroamines. A. E. Lutskii, P. A. Chernovskii Ukr. khim. zhur. 42 no 12 1317-1320 '66

N-H group as donor and acceptor of proton in hydrogen bonding. Part I. A. E. Lutskii, E. I. Goncharova Zhur. fiz. khim. 40 no 11 2735-2742 N '66

Stoichiometric changes in the formation of hydrogen bonding in 2,4,6-tri-tert-butylphenol with acetone. I. N. Shishkina, I. V. Berezhin Zhur. fiz. khim. 40 no 11 2895-2898 N '66.

## HYDROGEN-ION CONCENTRATION

Control of pH balance of nutrient medium in cultivation of mammalian cells. A. F. Khadzhiev Vop. virus. 11 no 5 610-612 S-O '66

Effect of activating additives and the pH on sand mixture properties. V. K. Solovkov, N. A. Podstova Lit. prirody no 12 27-28 D '66

Effect of pH on the autotrophic and heterotrophic multiplication of *Chlorella vulgaris* and *Scenedesmus obliquus*. L. A. Nimeeva Mikrobiologiya 31 no 2 233-240 M-Apr '62

Effect of pH on the kinetics of sodium phenyl phosphate hydrolysis by alkaline phosphatase. N. I. Rzhikhina Biokhimiia 28 no 2 321-325 M-Apr '63

Electrolytic cell with an automatic control of the pH of electrolyte for electroreduction and electro-oxidation. V. V. Skornikov, N. E. Khomutov Trudy MKHII no 31 54-57 '63

Hydrogenation in buffer solutions. A. M. Sokol'skii and others Trudy Inst. khim. nauk AN Kazakh SSR 14 57-77 '66

Possible value limits of pH of a medium during calcite formation in hydrothermal conditions. B. I. Omel'yanenko, IU. V. Alekhin, Geol. i metallog. 8 no 6 31-41 N-D '66.

## HYDROGEN ISOTOPES

Gas chromatographic separation of hydrogen isotopes. K. I. Sakodinskii, G. G. Gantani, A. P. Ia Zhur. fiz. khim. 40 no 11 2887-2888 N '66

## HYDROGEN PEROXIDE

Behavior of hydrogen peroxide solutions with respect to metallic gallium and indium. I. I. Volynov, B. S. Driatovskii Zhur. fiz. khim. 40 no 11 2907-2908 N '66.

Catalytic action of titanium (IV) in oxidation of thiosulfate with hydrogen peroxide. V. A. Il'fmenko, Ukr. khim. zhur. 32 no 12 1348-1349 '66.

Catalytic decomposition of H<sub>2</sub>O<sub>2</sub> in liquid phase in presence of 1/2 TiO<sub>2</sub>, 1/2 ZnO, 2/3 Fe<sub>2</sub>O<sub>3</sub>. A. A. Kutoin, A. P. Seguev Zhur. fiz. khim. 40 no 11 2688-2692 N '66.

Chemiluminescence of luminogen reacting with hydrogen peroxide in presence of metal ions. A. B. Babko, I. I. Dubovenko, A. V. Terletskii, Ukr. khim. zhur. 32 no 12 1326-1330 '66.

Interaction between free hydroxyl radicals, and the mechanism of hydrogen peroxide formation in solutions. I. A. Kazanovskii, N. O. Litikhina Zhur. neorg. khim. 11 no 11-2662-2670 N '66

Reactions of some saturated monocyclic acids with hydrogen peroxide subjected to ultraviolet radiation. V. I. Shurygin and others Zhur. org. khim. 7 no 11 2007-2011 N '66

## HYDROGENASE

Hydrogenase and succinic dehydrogenase in *Azotobacter vinelandii* and their relation to formation in culture. V. A. Lakhovlev, L. A. Levchenko Dokl. AN SSSR 171 no 5 1224-1226 D '66.

## HYDROGENATION

Continuous hydrogenation of fats with intensive mixing. K. A. Zhihurov and others Trudy Inst. khim. nauk AN Kazakh SSR 14 120-158 '66.

Effect of certain cations on the activity of Raney nickel in hydrogenation of dimethylacetylenylacetalcohol. G. D. Zakurnbaeva, S. A. Musina, D. V. Sokol'skii, Trudy Inst. khim. nauk AN Kazakh SSR 14 215-221 '66

Effect of the structure of unsaturated nitriles with conjugate bonds on their hydrogenation rate in mixed solvents. L. D. Volkova, D. V. Sokol'skii, Trudy Inst. khim. nauk AN Kazakh SSR 14 231-230 '66

Homogeneous catalytic hydrogenation. Part 8. V. A. Tutubayev, Zhur. fiz. khim. 40 no 11 2924-2927 N '66.

Hydrogenation in buffer solutions. A. M. Sokol'skii and others Trudy Inst. khim. nauk AN Kazakh SSR 14 57-77 '66.

Hydrogenation of cottonseed oil on nickel-chromium catalyst on coal in an autoclave with intensive mixing. N. M. Popova and others Trudy Inst. khim. nauk AN Kazakh SSR 14 192-199 '66

Hydrogenation of ethyl ester of maleic acid on Raney catalysts. N. S. Simanova, D. V. Sokol'skii Trudy Inst. khim. nauk AN Kazakh SSR 11 154-166 '66

Hydrogenation of isoprene and the binary mixtures of isoprenes on a skeleton nickel catalyst. L. Kh. Fiedlin and others Neftkhemia 3 no 5 672-676 S-O '63

Liquid phase hydrogenation of 1-heptene on ruthenium-palladium catalysts of different composition. D. V. Sokol'skii and others Trudy Inst. khim. nauk AN Kazakh SSR 11 221-225 '66

Preparation of substituted tetrahydrofuran by hydrogenation of 1,2-dicarboxylic acid anhydrides. V. M. Dashinin, R. V. Maeva Trudy VNIISNDV no 1 13-16 '65

Selective hydrogenation of dimethylacetylenylacetalcohol on Pd/CuO<sub>2</sub>. D. V. Sokol'skii and others Trudy Inst. khim. nauk AN Kazakh SSR 11 226-230 '66

Stereochemistry of hydrogenation and hydrogenolysis. E. I. Klabunovskii Usp. khim. 35 no 7 1294-1323 J1 '66

Information of  $\beta$ -methylpropionic acid esters in hydrogenation on some catalysts. N. I. Shulkin and others Dokl. AN SSSR 171 no 2 363-365 N '66

## HYDROGENOLYSIS

Analysis of a mixture of hydrogenolysis products of 21-hydroxy-2, 1, 1, 4, 4-pentamethylhexan-3-yl by means of gas chromatography. A. S. Leschiner, T. A. Rudol'fa, V. I. Lushchik Trudy VNIISNDV no 7 161-165 '65

Stereochemistry of hydrogenation and hydrogenolysis. E. I. Klabunovskii Usp. khim. 35 no 7 1294-1323 J1 '66

## HYDROGRAPHIC SURVEYING

Stereophotogrammetric method for investigating underwater relief. A. M. Solodovnikova, Izv. vys. ucheb. zav. geod. i aerof. no 3 90-114 '62

Using a profilograph for constructing wave profiles from an aerial photograph. V. I. A. Mangareev, Izv. vys. ucheb. zav. geod. i aerof. no 3 83-89 '62.

## HYDROLOGY

(see also subdivision under Arctic Ocean; Armonia; Barents Sea; Caspian Sea, Drake Passage; Ivan'kovo Reservoir; Kuybyshev Reservoir, Rybinsk hydroelectric Power Station, Rybinsk Reservoir; Uglich Reservoir)

Seminar on significance of structural characteristics of water and water solutions for geological interpretation. V. I. Kazhinin Sov. geol. 9 no 12 127-128 D '66

## HYDROLYSIS

Centennial of scientific and technological societies in our country. Gidrotiz i lesokhim. prom. 19 no 8 1-2 '66

Chemical composition of spring wheat straw. A. P. Zabolotny, M. I. Goliaev Gidrotiz i lesokhim. prom. 15 no 1 12-13 '62

Data on the physiology of membrane (contact) digestion. Report No. 4. Starch splitting in the frog vascular system. A. M. Igolov, V. V. Chernomova. Biol. okup. biol. i med. 55 no 5 25-28 May '63.

Decomposition of pyrimidyl-4-malonate esters. D. P. Shvachkin and others, Vest. Mosk. un. Ser. 2 Khim. 17 no 5 75-78 S-O '62

Decomposition of spruce wood with a dichloroethane solution of hydrogen chloride. V. P. Kovalev Shoi. trudy, Ukh. NII 8 no 7 72-84 '66.

Effect of hydrolysis on colloid formation in NaCl and KCl crystals. A. Bohun and others Res. i. fiz. 6 133-136 '65

Effect of pH on the kinetics of sodium phenyl phosphate hydrolysis by alkaline phosphatase. N. I. Rzhikhina Biokhimiia 28 no 2 321-325 M-Apr '63

Hydrolysis of cyclamen aldehyde monooxalacetate. T. B. Gerasimovich, N. E. Kolodiyova, M. P. Gushchikina Trudy VNIISNDV no 7 38-41 '65.

Hydrolysis of oils and fats at high temperatures in the presence of alkali catalysts. M. P. Bershatov, V. I. Polistanov, M. V. Zhir. prom. 28 no 6 14-17 Je '62

Improve the accounting for raw materials in the hydrolysis industry. I. I. Korol'kov, A. I. Kozlov, Gidrotiz i lesokhim. prom. 15 no 4 26-27 '62

Increase the contribution of the hydrolysis industry to the development of production in agriculture. Gidrotiz i lesokhim. prom. 15 no 11-2 '62

Inhibition effect of borates on the autoc-phase reaction of hydrolysis by  $\beta$ -chymotrypsin of non-specific substrates. I. V. Beozin and others, Dokl. AN SSSR 171 no 5 1213-1216 D '65.

Investigating the effect of the production method on the composition and properties of liquid polyorganosiloxanes. Investigating the composition and characteristics of polymethylphenylsiloxanes obtained by the method of copolymerization with subsequent catalytic reworking in the presence of "Kil" bentonite clay. M. A. Klechkovskaya and others, Plast. massy no 9 19-24 '62

Isolation of furfuraldehyde from the waste residue of vacuum columns. G. A. Malakhov, Gidrotiz i lesokhim. prom. 15 no 4 22-23 '62.

Kinetics of acid hydrolysis of some polynitrates of polyhydric alcohols. B. S. Svetlov, V. P. Shalapatina, Zhur. fiz. khim. 40 no 11 2889-2891 N '66.

New developments in the cooling system for hydrolysis. V. K. Goncharenko Gidrotiz i lesokhim. prom. 15 no 3 21 '62

Obtaining folder yeast from the wastes of glycol production. M. S. Dudkin, V. E. Starichkova, Gidrotiz i lesokhim. prom. 15 no 4 7-10 '62

Third session of the Coordination Council on the Production of Furfuraldehyde and Polyhydric Alcohols. Gidrotiz i lesokhim. prom. 15 no 1 10-11 '62

Use of new nutrient medium containing nucleic hydrolysis, for cell cultures. G. P. Novikova, V. N. Plunkhin Vop. virus. 11 no 6 743-746 N-D '66

## HYDROMETEOROLOGY

Selecting fields for washing carbon alumina-containing solid phases. T. V. Sokina, G. L. Perekhin, M. V. Zakharenko Trudy Inst. met. i obog. AN Kazakh SSR 10 127-132 '66

Studying vanadium distribution in processing high-silicon bauxites by the Bayer hydrometallurgy process. V. Z. Tarasenko and others Trudy Inst. met. i obog. AN Kazakh SSR 10 122-126 '66.

Valuable work on the hydrometallurgy of nonferrous metals. F. A. Bukhtov Vest. AN Kazakh SSR 10 no 1 94-96 Ja '63.

## HYDROMETEOROLOGICAL INSTRUMENTS

Leningrad, Nauchno-issledovatel'skii institut gidrometeorologicheskogo priboroostroeniia. [Information materials on hydrometeorological instruments and observation methods] Informatsionnye materialy po gidrometeorologicheskim priboram i metodam naabludeniia. Moskva, Gidrometeoizdat, 1966. 63 p. (Iz. Sbornik, no. 28)

## HYDROMETEOROLOGICAL RESEARCH

Hydrometeorological observations and research on the river. V. I. Kozlov, S. P. Kavetskii Trudy KazNIGM no 3 27-30 '61

## HYDROMETEOROLOGY

(see also subdivision under Rybinsk Reservoir)

Institutions of hydrometeorological science. Meteor. i gidrol. no 12 61-62 D '66

In Main Administration of hydrometeorological science. Meteor. i gidrol. no 12 60-61 D '66

HYDROMETEOROLOGY—MAPS see subdivision under Kuybyshev Reservoir

HYDROMICA see subdivision under Donets Basin

## HYDROXYL GROUP

Interaction between free hydroxyl radicals, and the mechanism of hydrogen peroxide formation in solutions. I. A. Kazanovskii, N. O. Litikhina Zhur. neorg. khim. 11 no 11 2662-2670 N '66

Interaction of alkene oxides with hydroxyl radicals. G. A. Razuvaev, V. S. Pelt, F. P. Beshenova Zhur. org. khim. 2 no 11 2018-2045 N '66

## HYDROXYLAMINE

Infrared absorption spectra of complex compounds—[Pt(NH<sub>2</sub>OH)<sub>2</sub>Cl<sub>2</sub>] and normal vibrations of coordinated hydroxylamine. IU. A. Khatatonov, M. A. Sarukhanov Zhur. neorg. khim. 11 no 11 2537-2542 N '66

Mutagenic and inactivating effect of hydroxylamine in dealing with infectious RNA and native poliovirus. R. Z. Gendron Vop. virus. 11 no 6 721-729 N-D '66

## HYMENOLEPIDIDAE

Life cycle and morphology of *Passerilepis crenata* (Cestoda: Hymenolepididae). A. A. Spasskii, Patn. zhur. i ust. no 1 113-118 '65

HYMENOPTERA, FOSSIL see subdivision under Siberia; Soviet Central Asia

## HYPERCAPNIA

Mechanism of increasing the resistance of rats to deep hypoxic-hypercapnic hypothermia under the influence of prior training. N. V. Korostovtseva Fiziol. zhur. 48 no 10 1209-1217 O '62.

Sensitivity of the reticular formation of the brain stem to hypercapnia in ontogenesis. E. L. Golubeva, Fiziol. zhur. 48 no 10 1164-1162 O '62

HYPERGEOMETRIC FUNCTIONS see Functions, Hypergeometric

## HYPERGLYCEMIA

Role of the hypophysis in the development of hyperglycemia following a focal irradiation. E. I. Komarov, R. I. A. Kullina, Vop. radiobiol. 4 33-38 '61.

## HYPERONS

Decay of double hypernuclei with emission of  $\Delta$ -hyperons. V. A. Filimov, Izd. fiz. 4 no 3 1010-1015 N '66.

## HYPERPARATHYROIDISM

A case of hyperparathyroid osteodystrophy traced for a long time following a parathyroid gland adenoma excision. M. Z. Sigal Froh. endok. i gorm. 9 no 1 56-60 Ja-I '63





**ILLUSTRATION OF BOOKS** see subdivision under Azerbaijan

#### IMAGE CONVERTERS

Image converter tubes and the attribution of works of art. N. Nikiforova. *Izvestiya* 29 no. 10 44-51 '66

Image converter tubes for studying paintings. A. Dub. *Izvestiya* 29 no. 10 17-19 '66

#### IMIDAZOLE

Effect of imidazole compounds on a-ketoglutaric dehydrogenase from pigeon breast muscle. V. S. Gromazova. *Biochimika* 31 no. 6 112-114 N-D '66

#### IMIDAZOLECARBOXAMIDE

Correlation of physicochemical properties and pharmacological activity in antitumor series. S. P. Kozlovskiy, N. V. Khramov-Borisov. *Russkaya Khimiya* 1966, 12 44-61 '67

#### IMMUNITY

Changes in cellular immunity during chronic continuous action of ionizing radiation. P. N. Ilychev, P. A. Buzina. *Med. rad.* 7 no. 8 76-85 Ag '62

Chronic plague forms in laboratory animals. Report No. 3. Resistance of white rats to repeated inoculation. L. B. Ardimov. *Trudy Gosnaukh-Issled. protivotum. inst.* 15: 37-42 '64

Effect of some non-specific factors on the natural resistance of the body and passive immunization. O. A. Boboeva. *Archi. med. zhur.* 10 no. 9 58-66 S '63

Effect of the block of vegetative ganglia on some indices of the immunological reactivity of the body. O. A. Boboeva. *Archi. med. zhur.* 10 no. 7 66-70 T '63

Effectiveness of immunization depending on different ways of introducing live brucellosis vaccine. A. T. Khaev. *Zhurn. mikrobiol., epid. i immun.* 13 no. 11 31-37 N '66

Immunization by means of homologous tissues. Ch. I. Buzina. *Pat. fiziol. i eksp. ter. ap.* no. 3 76-78 '64

Mechanism of antismallpox immunity. Report No. 1. The role of leukocytes in antismallpox immunity. Experiments in vivo. I. U. N. Mislukova. *Vop. v. zh.* 0 no. 1 192-198 Ji-Ag '63

Morphological and histochemical changes in the organism of guinea pigs caused by C-focihimer of *Clostridium welchii*, type A. Report No. 3. Pathomorphological and histochemical changes in an immune organism. I. A. Anosov, I. A. Laitum, M. V. Isopoltovskaya. *Zhurn. mikrobiol., epid. i immun.* 13 no. 11 38-42 N '66

Morphological and immunological studies in homotransplantation of the kidney in dogs. N. A. Bykova. V. I. Gavalle. *Trudy I-go MMI* 49 76-77 '66

Non-specific immunity in children. A. V. Mashkov. *Vest. AN SSSR* 17 no. 10 64-75 '62

**Purik, V. I.** [Immunomorphological problems in tuberculosis] Problemy immunomorfologii tuberkuleza. Moskva, Meditsina, 1966, 179 p. (DNLM)

Some features of nonspecific immunity in injuries to the locomotor apparatus. A. E. Kaplan. *Travmatologiya* no. 1 13 18-23 '65

Study of the mechanism of immunity in fish with the help of CII. G. D. Goncharov, V. I. Romanenko, V. R. Mikriakov. *Dokl. AN SSSR* 171 no. 5 1217-1246 D '66

Transplacental transmission of acquired immunity: a review. A. A. Sokhin. *Zhurn. mikrobiol., epid. i immun.* 43 no. 11 9-12 N '66

#### IMMUNOCHEMISTRY

Selection of new inhibitors of immunogenesis of a natural origin. V. A. Shurin, S. P. Shapovalova. *Antibiotiki* 11 no. 11 953-957 N '66

Some indices of protein-electrolyte equilibrium in homotransplantation of the kidneys in dogs with the use of immunodepressive chemical preparations. L. M. Saburova, M. V. Bilenko, A. N. Novikova. *Trudy I-go MMI* 49 111-118 '66

Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting. Report No. 1. Study of the duration of taking of skin homotransplants, dynamics of humoral antibodies and reactions of lymphoid tissue. M. V. Bilenko and others. *Trudy I-go MMI* 49 35-48 '66

Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting. Report No. 2. Study of hematological and biochemical indices and morphology of internal organs. M. V. Bilenko and others. *Trudy I-go MMI* 49 19-25 '66

#### IMMUNOHISTOCHEMISTRY

Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting. Report No. 2. Study of hematological and biochemical indices and morphology of internal organs. M. V. Bilenko and others. *Trudy I-go MMI* 49 19-25 '66

#### IMMUNOHISTOCHEMISTRY

Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting. Report No. 2. Study of hematological and biochemical indices and morphology of internal organs. M. V. Bilenko and others. *Trudy I-go MMI* 49 19-25 '66

Use of the antiglobulin fixation reaction in immunohematological examinations. R. K. Kaluzhenko, *Pril. gemat. i perel. krovi* 8 no. 2 18-20 F '63

#### IMMUNOLOGICAL RESEARCH

Effect of previous immunity to one of the antigens of polyvalent plague, tularemia and brucellosis vaccine on the immunizing properties of its other components. Report No. 2. Immunological reconstruction in compound vaccination against plague, tularemia and brucellosis following preliminary inoculation with live tularemia vaccine. V. G. Filipenko. *Zhurn. mikrobiol., epid. i immun.* 43 no. 11 43-48 N '66

#### IMMUNOLOGY

Prospects for immunological control of tumor growth. I. A. Zil'ber, *Vest. AN SSSR* 15 no. 12 15-22 '66

Study of immunological reactivity in white rats following primary and repeated immunization with poliomyelitis antigen. A. F. Jarchenko. *Trudy Moskovsk. nauch.-issled. inst. virus. prep.* no. 3 195-200 '65

Voroshilova, M. K. [Immunology, epidemiology and prevention of poliomyelitis and analogous diseases] Immunologiya, epidemiologiya i profilaktika poliomiellita i skhodnykh s nim zabolovaniy. Moskva, Meditsina, 1966, 438 p. (DNLM)

**IMMUNOLOGY—BIBLIOGRAPHY** see Bibliography—Immunology

#### IMPACT

Collision of elastic systems. K. T. Kravchenko. *Prikl. mekh.* 2 no. 11 5-14 '66

Lateral elastic impact of a ball on an anisotropic plate. N. A. Kl'chevskiy, A. Kh. Konstantinov. *Prikl. mekh.* 2 no. 11 4 '66

#### IMPELLERS

Use of calculating machines for the study of temperature fields and stresses in steam- and gas-turbine rotors. M. A. Karpov, V. M. Zelenin, V. N. Venediktov. *Enginermashinostroyeniye* 7 no. 11 5 Ja '61

#### IMPELLERS

Investigating the temperature fields of the working blade root fixings of gas turbines cooled by means of air blast through the clearance slots. B. V. Podsvaylov. *Enginermashinostroyeniye* 7 no. 11 4-4 Ja '61

#### IMPELLERS

Investigating the temperature fields of the working blade root fixings of gas turbines cooled by means of air blast through the clearance slots. B. V. Podsvaylov. *Enginermashinostroyeniye* 7 no. 11 4-4 Ja '61

**IMPLEMENTS, UTENSILS, ETC** see subdivision under Smekand

**INCANDESCENT ELECTRIC LAMPS** see Electric lamps, incandescent

#### INCENTIVES IN AGRICULTURE

(see also subdivision under Chuvashia) Consistent realization of the principle of material self-interest. A. Arkhipov, L. Nikiforov. *Tr. kon. sel'skhoz.* 12 no. 12 31-35 D '66

#### INCENTIVES IN INDUSTRY

(see also subdivision under Europe, Eastern) Chelobskiy gosudarstvennyy nauchno-issledovatel'skiy institut. [Some economic problems of the building of communism in the U.S.S.R.] Nekotorye ekonomicheskie voprosy stroitel'stva kommunizma v SSSR. Chelobskiy, 1966, 132 p.

The economic reform and the principle of material self-interest. N. I. A. Merina. *Vech. shkoln.* 9 no. 6 80-84 N-D '66

Economic stimulation and complete business accounting in industry. D. Alimkhanov. *Fin. SSSR* 40 no. 11: 27-39 N '66

Gurevskiy, N. V. [Incentive funds of enterprises in industry] Pooschritel'nye fondy predpriyatiy v promyshlennosti. Moskva, Znaniye, 1966, 70 p. (Narodnyy universitet. Tekhniko-ekonomicheskii fakul'tet, no. 12)

Scientific organization of labor and material incentives. I. Buzan. *Komm. Ukr.* 11 no. 1 38-46 Ja '67

Workers, enterprises, and society. N. I. Alekseev. *Vop. filos.* 20 no. 12 11 '66

#### INCOME

Some problems in the methodology of planning for the population's real income. L. P. Kuprienko. *Trudy INKI* no. 35 61-70 '65

#### INDANEDIONE

Reaction of henrylidene-1, 3-indandione with dialkylphosphorus acids. B. A. Arbuzov and others. *Dokl. AN SSSR* 171 no. 5 1097-1100 D '66

#### INDEX NUMBERS (ECONOMICS)

Average qualitative indices. R. Khabib. *Vest. stat.* no. 12 24-29 '66

#### INDIA—DESCRIPTION AND TRAVEL

Surova, E. I. [The flying bicyclist] Letaiushchii velosipedist. [Moskva] Molodaia gvardiya, 1966, 93 p.

#### INDIA—FOREIGN RELATIONS—PAKISTAN

The anniversary of the Tashkent declaration. (U. Lugovskoy. *Mezhdunar. zhurn.* 14 no. 1 120-121 '67

The Tashkent declaration in action. L. Stepanov. *Nov. vrem.* 25 no. 3 3-4 Ja '67

#### INDIA—GEOLOGY, STRATIGRAPHIC

Lower Pre-Cambrian in southern part of Indian Platform. E. M. Laz'ko. *Sov. geol.* 9 no. 11 53-67 N '66

#### INDIA—HISTORY

The problem of the socioeconomic structure of ancient India. E. M. Medvedev. *Nar. Az. i Afr.* no. 6 67-77 '66

#### INDIA—INVESTMENTS, FOREIGN

The role of monopolies in political life. O. Maev. *Mezhdunar. zhurn.* 14 no. 1 127-128 '67

#### INDIA—LABOR AND LABORING CLASSES

Geographical differences in the employment of the population of India. V. G. Rylov. *Vest. Moskovsk. un.* Ser. 5 Geogr. 21 no. 6 67-71 N-D '66

#### INDIA—WHEAT—VARIETIES

Yield evaluation of Indian wheat varieties in irrigation and dry farming. G. B. Gogin. *Sbornik nauch. i mol. nauch. soobshch.* 1966, 2 39-51 '61

**INDIAN OCEAN—ATMOSPHERIC TEMPERATURE** Inversion layers in lower troposphere over Indian Ocean. V. V. Lashinova, I. A. Romanov. *Sbornik nauch. i mol. nauch. soobshch.* 1966, 2 39-51 '61

**INDIAN OCEAN—MARINE SEDIMENTS** Siliceous organisms in suspensions and in upper layer of bottom sediments in Indian Ocean; based on materials of 36th voyage of research ship "Vityaz". V. V. Mikhlin. *Okeanologiya* 6 no. 5 807-816 '66

**INDIAN OCEAN—OCEANOGRAPHY** Structure and circulation of waters in eastern part of Indian Ocean during summer monsoon. V. G. Nizman, B. N. Mikhlin, A. D. Shcherbinin. *Sbornik nauch. i mol. nauch. soobshch.* 1966, 2 39-51 '61

**INDIAN OCEAN—ORGANIC MATTER** Siliceous organisms in suspensions and in upper layer of bottom sediments in Indian Ocean, based on materials of 36th voyage of research ship "Vityaz". V. V. Mikhlin. *Okeanologiya* 6 no. 5 807-816 '66

**INDIUM** Behavior of hydrogen peroxide solutions with respect to metallic gallium and indium. I. I. Voronov, B. S. B. Latkovskiy. *Zhurn. fiz. khim.* 40 no. 11 2907-2909 T '66

Study of behavior of indium in solutions containing sulfates by means of ion-exchange method. E. P. Tsinkevich, S. G. Stancheva, I. P. Almarin. *Vest. Moskovsk. un.* Ser. 2: khim. 17 no. 7 45-49 S-O '62

**INDIUM—ANALYSIS** Pyridyl azo compounds as reagents for indium. Report No. 3. Colorimetric and spectrophotometric determination of indium with biacetic derivatives of pyridyl-azoaminocourosol. S. I. Gusev, E. M. Nikolaeva, Zhur. anal. khim. 21 no. 10 1183-1186 '66

**INDIUM ALLOYS** Complex study of some kinetic effects in the alloy InAg. InP. I. A. Gusev, O. Lashinova. *Izv. AN SSSR. Ser. fiz.-tekh. i him. i geol. nauk* no. 5 9-14 '62

Precipitation of solid solutions of InSb - InAs as polycrystalline ingots. E. I. Bolvanovich. *Izv. AN SSSR. Neorg. mat.* 2 no. 11 2080-2081 N '66

**INDIUM ANTIMONIDE CRYSTALS—ELECTRIC PROPERTIES** Deep energy levels in indium antimonide. N. S. Baryshev and others. *Fiz. tver. tela* 8 no. 7 2258-2260 Ji '66

**INDIUM ANTIMONIDE CRYSTALS—GALVANO-MAGNETIC PROPERTIES** Effect of spin on quantum oscillations of galvanomagnetic coefficients in n-InSb. Kh. I. Amirkhanov, R. I. Bashlov. *Fiz. tver. tela* 8 no. 7 2189-2196 Ji '66

**INDIUM ANTIMONIDES—ELECTRIC PROPERTIES** Effect of annealing on the electric properties of indium antimonide. G. N. Evstafieva, I. V. Protopopova, E. A. Pumper. *Izv. AN SSSR. Neorg. mat.* 2 no. 12 2262-2264 D '66

**INDIUM ANTIMONIDES—PHOTOELECTRIC PROPERTIES** Intrinsic photoconductivity of n-InSb in strong magnetic fields. T. M. Lifshits, F. I. Nod' *Fiz. tver. tela* 8 no. 7 2119-2123 Ji '66

**INDIUM ARSENIDE CRYSTALS—SPECTRA** Photosensitivity spectra of InAs p-n-junction in 0-5 eV. photon energy region. A. A. Gutkin and others. *Fiz. tver. tela* 8 no. 7 2044-2047 Ji '66

**INDIUM ARSENIDES** Cadmium diffusion in indium arsenide. N. V. Zolova, A. A. Lebedev, D. N. Nesterov. *Fiz. tver. tela* 8 no. 7 2074-2076 Ji '66

**INDIUM ISOTOPES** Separation of small amounts of cadmium and indium by coprecipitation with iron hydroxide. A. I. Novikov, T. A. Pirogova. *Dokl. AN Tadzh. SSR* 0 no. 12 26-31 '66

**INDIUM PHOSPHIDES** Determination of impurities in gallium and indium phosphides. B. D. Brodekskiy and others. *Zhurn. anal. khim.* 21 no. 12 1447-1452 '66

Temperature dependence of the elasticity of indium phosphide dissociation. I. A. A. Ugar, I. A. B. Iutskaia, L. F. Gurza. *Izv. AN SSSR. Neorg. mat.* 2 no. 11 1944-1947 N '66

**DIAMOND CRYSTALS—GROWTH**  
Growth of diamond crystals. *Crystallography* 1966, 4:2-7

**DIAMOND CRYSTALS**  
Diamond crystals. *Crystallography* 1966, 4:2-7

**DIAMOND**  
Diamond. *Crystallography* 1966, 4:2-7

**DIAMOND—SPECIES**  
Diamond species. *Crystallography* 1966, 4:2-7

**DIAMOND ACID**  
Diamond acid. *Crystallography* 1966, 4:2-7

**DIAMOND—POLITICS AND GOVERNMENT**  
Diamond politics and government. *Crystallography* 1966, 4:2-7

**DIAMOND ELECTRIC MOTORS** see Electric motors, Diamond

**DIAMOND ACCIDENTS**  
(see also subdivision under Kiev Province, Matveevka)  
Diamond accidents. *Crystallography* 1966, 4:2-7

**DIAMOND BUILDINGS**

The effect of a concrete structure and structural features of the buildings on the process of enclosing diamonds. *Crystallography* 1966, 4:2-7

Effect of climate and structural parameters on the thermal character of diamond in industrial buildings. *Crystallography* 1966, 4:2-7

The efficiency of using elements made of aluminum alloys in industrial buildings. *Crystallography* 1966, 4:2-7

New design of the head or insula leaders of the roofs of industrial buildings. *Crystallography* 1966, 4:2-7

Structural layouts of wide-span roofs of industrial buildings with bridge cranes suspended from overhead. *Crystallography* 1966, 4:2-7

Technical and economic effect of using prestressed steel trusses in industrial buildings. *Crystallography* 1966, 4:2-7

A new wire for roofs of wide-span industrial buildings. *Crystallography* 1966, 4:2-7

**DIAMOND BUILDINGS—DESIGN AND CONSTRUCTION**  
(see also subdivision under Leningrad, Moscow)

All-purpose constructors for assembling the reinforced concrete columns of single-story industrial buildings. *Crystallography* 1966, 4:2-7

Construct high quality industrial buildings. *Crystallography* 1966, 4:2-7

Construct industrial buildings in an excellent way, to last for ages. *Crystallography* 1966, 4:2-7

Principles of the calculation of specific capital investments in industrial construction. *Crystallography* 1966, 4:2-7

**DIAMOND BUILDINGS—MAINTENANCE AND REPAIR**  
Experience of reconstructing buildings without interrupting operation. *Crystallography* 1966, 4:2-7

**DIAMOND COSTS** see Costs, Industrial

**DIAMOND DIAMONDS** see Diamonds, Industrial

**DIAMOND DISTRICTS**

Planning industrial districts. *Crystallography* 1966, 4:2-7

**DIAMOND EFFICIENCY** see Efficiency, Industrial

**DIAMOND ELECTRIC TRUCKS**

Planning. *Crystallography* 1966, 4:2-7

**DIAMOND EQUIPMENT**  
Diamontravova, L.A., and G.S. Salbekov. [Comprehensive balance of equipment and its norm base]. Kompleksnyy balans oborudovaniya i ego normativnaya baza. Moskva, Ekonomika, 1966, 179 p.

Tushinov, Iu. A. [Economics of the use of equipment] *Ekonomika ispol'zovaniya oborudovaniya*. [Moskva] Mosk. Rabochiy, 1966, 63 p.  
[Under the equipment better] Iu. Tushinov. Agitator no 12-32-34 5 162

**DIAMOND EQUIPMENT—MAINTENANCE AND REPAIR**  
(see also subdivision under Dnepropetrovsk)

Computing automation for capital repairs. *Crystallography* 1966, 4:2-7

**DIAMOND EQUIPMENT—STATISTICS**

[Export of machinery and equipment by developed capitalist countries, a statistical manual] Eksport mashin i oborudovaniya razvityimi kapitalisticheskimi stranami, statisticheskiy spravochnik. Moskva, 1966, 583 p.  
[Bulletin] Inostrannoy kommercheskoy informatsii, prilozhenie, no 12

**DIAMOND HYGIENE**

Characteristics of external respiration during muscular work under industrial conditions. *Crystallography* 1966, 4:2-7

Improving sanitary conditions of work during the open. *Crystallography* 1966, 4:2-7

Smoking and dust are harmful to work. *Crystallography* 1966, 4:2-7

**DIAMOND LAWS AND LEGISLATION**

Academically and construction work, civil law means to assure it. *Crystallography* 1966, 4:2-7

Centralized guidance and independence of management. *Crystallography* 1966, 4:2-7

Skupko, E. A. [Protecting the rights of efficiency engineers] Okhrana prav iatsionalizatorov. Minsk, Nauka i tekhnika, 1966, 214 p.

**DIAMOND MANAGEMENT**

(see also subdivision under Armenia, Bulgaria; Chuvashia, Kirovokan, Krasnodar, Leningrad; Moscow, White Russia)

Bacv, A. I. [Trade-union activists on scientific organization of labor] Profaktivno nauchnoy organizatsii truda. [Moskva] Profizdat, 1966, 70 p. (Biblioteka sel'skogo profesornogo aktivista, no. 22/70)

Basile of the formation of incentive funds. Calculation of group norms in an industrial branch. *Crystallography* 1966, 4:2-7

Characteristics of developing the technical, industrial, and financial plan under the new conditions of industrial work. *Crystallography* 1966, 4:2-7

Chelabinskii gosudarstvennyi pedagogicheskii institut. [Some economic problems of the building of communism in the U.S.S.R.] Nekotorye ekonomicheskie voprosy stroitel'stva kommunizma v SSSR. Chelabinsk, 1966, 132 p.

Coordination of workers' creative associations. *Crystallography* 1966, 4:2-7

Economic reform and some problems of determining costs and profit in industry. *Crystallography* 1966, 4:2-7

The economy in the center of attention of the party committees. *Crystallography* 1966, 4:2-7

The effect of business accounting. *Crystallography* 1966, 4:2-7

The first results. *Crystallography* 1966, 4:2-7

For what are the industrial enterprises responsible? *Crystallography* 1966, 4:2-7

For workers of enterprises on practice in transferring to the new system of planning and economic stimulation. *Crystallography* 1966, 4:2-7

A fuller mobilization of potentialities is a task for every financial organ. *Crystallography* 1966, 4:2-7

Grigor'ev, B. V. [Management of a state industrial enterprise in the U.S.S.R.] Upravleniye gosudarstvennym promyshlennym predpriyatiem v SSSR. [Moskva] Izdat. Mosk. univ., 1966, 74 p.

Improving the use of capital assets is the most important condition for increasing the efficiency of production. *Crystallography* 1966, 4:2-7

Indices of managerial operation and methods of their analysis. *Crystallography* 1966, 4:2-7

Indices of the economic work of enterprises. *Crystallography* 1966, 4:2-7

Industrial plants and the reform. *Crystallography* 1966, 4:2-7

Kairzhanov, E. K. [Economically, in a businesslike way] Rachtel'no, po-khozjal'ski. Alma-Ata, "Kazakhstan," 1966, 47 p.

Labor discipline and scientific organization of labor. *Crystallography* 1966, 4:2-7

Let us have more good information on production. *Crystallography* 1966, 4:2-7

Methodological instructions for conveyor equipment. *Crystallography* 1966, 4:2-7

Modern technology, scientific organization of production, and labor discipline. The subject "Economics of labor discipline and scientific organization of labor." *Crystallography* 1966, 4:2-7

Naukno-issledovatel'skii institut truda. [Method of developing norms for the number of auxiliary workers of Metallurgical plant] Metod razrabotki normativov chislennosti tsel'nykh rabochikh. Moskva, 1966, 92 p. [MIR LIBRARY]

Organization of labor, remuneration, and profit. *Crystallography* 1966, 4:2-7

Paranov, I. V. [The paths behind us] Puti proshlogo. Moskva, Politizdat, 1966, 320 p. (Ocherki iz istorii partii)

People's control, a textbook for students of people's and verities, and faculties of people's control. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

Problems of paying bonuses from the material incentives fund. *Crystallography* 1966, 4:2-7

## INDUSTRIAL PROCUREMENT

Improve the supply of materials and equipment to construction projects, to meet new tasks. Eksp. str. 8 no 12:18-40 D '66

**INDUSTRIAL RADIOLOGY** see Radiology, Industrial

## INDUSTRIAL REPORTS

Analysis of the fulfillment of the assignment plan. V Adamov Vest. stat. no 12:17-17 '66

Carry out annual reports on the level corresponding to the new economic tasks. T Granovskii Bukh. uch. et. no 11:3-7 N '66

Processing of telegraphic reports on the gross output at the Central Computing Station of the Central Statistical Association of the USSR. V Braga, A. Ivanov Vest. stat. no 12:54-59 '66

**INDUSTRIAL RESEARCH** see Research, Industrial

## INDUSTRIAL SAFETY

(see also subdivision under Novosibirsk)

Survey of labor legislation. Sots. trud. 11 no 12:134-137 D '66

**INDUSTRIAL SAFETY—FINANCE** see subdivision under Siberia

**INDUSTRIAL SAFETY—STUDY AND TEACHING** see subdivision under Tashkent

## INDUSTRIAL STATISTICS

Indices of production volume and labor productivity in industrial enterprises. I. S. Bilal'dinov, B. I. Babichina. Uch. zap. IGU. no 20:115-116 '60

Podolskii, B. A., and M. N. Mat'lanova. [Statistics of an industrial enterprise] Statistika promyshlennogo predpriyatiia. Podred. G. A. Kiperman. Moskva, Statistika, 1955. 202 p.

## INDUSTRIAL WASTES

(see also subdivision under Kishinev)

The Komsomol has built a "wall" against losses in the national economy. A. Pavlov, B. Kozlovskov. Mol. komm. no 3:22-25 M '61

## INDUSTRIAL WASTES—ANALYSIS

Ways of utilizing industrial wastes from processing phenol, naphthalene, and pyridine raw materials. G. A. Markus. Kora i khim. no 10:46-47 '66

## INDUSTRIAL WASTES—PURIFICATION

(see also subdivision under Germany, East)

Purification of waste water from ethylbenzene plants. D. El. Utko, N. A. Palahuta. Khim. prom. (Ukr.) no 3:1-10 J1-S '62

## INDUSTRIALIZATION

Ward, Barbara. [Five ideas that change the world. Translated from the English] Plat' idei, kotorye meniaut mi. New York, F. A. Praeger [1961] 160 p. (NIC)

## INDUSTRIES, LOCATION OF

Determining the efficiency of the distribution of industry. M. Vilen'skii. Vop. ekon. no 12:1-16 D '66

## INDUSTRY—ABSTRACTS

[Economics of industry] Ref. abor.: Ekon. prom. no 12 D '66

## INEQUALITIES (MATHEMATICS)

Markov type inequality for fractional functions. V. N. Rusak. Dokl. AN BSSR 10 no 10:725-727 O '66

One inequality for functions from weight classes and for boundary value problems with strong degeneracy on the boundary consisting of a curve and point. I. U. D. Salimov. Dif. ur. 2 no 9:124-127 S '66

Two proofs of Cauchy inequality between arithmetic and geometric means of systems of nonnegative numbers. V. K. Dziadyk. Ukr. mat. zhur. 18 no 8:116-116 '66

## INFANTS—CARE AND HYGIENE

Studenkin, M. A., ed. [Child, feeding and training of the infant during the first year of life; manual for nurses and midwives] Ukhod, vskarmliwanie i vospitanie rebenka pervogo goda zhizni; posobie dlia meditsinskikh sester i akusherok. [By] M. A. Studenkin i dr. Moskva, Meditsina, 1960. 237 p. (Biblioteka srednego meditsinskogo) (DNLM)

## INFANTS (NEWBORN)

Bodiazina, V. I., ed. [Essays on the physiology of the fetus and the newborn infant] Ocherki po fiziologii ploda i novorozhdennogo. Moskva, Meditsina, 1966. 310 p. (DNLM)

Incidence of toxoplasmosis in congenital human deformities. O. A. Svatukhina. Sov. med. 29 no 12:111-114 D '66

Methodology for electroencephalographic recording in newborn infants. A. N. Shapoval'nikov. Zhur. vys. nerv. delat. 12 no 3:563-568 My-Je '62

Virological study of the importance of respiratory virus infections in mothers for the pathology of fetus and newborn child. V. V. Bitova and others. Vop. virus. 11 no 6:630-634 N-D '66

## INFANTS (NEWBORN)—DISEASES

Causes of births of children with cerebral defects; data for the development of rational prenatal prophylaxis. B. N. Klovskii. Vest. AN SSSR 17 no 10:32-39 '62

Role of toxoplasmosis in changes in the nervous system in congenital defects of the heart and large vessels in children. R. A. Kovaleva, M. A. Pionina, N. A. Bykova. Vest. AN SSSR 17 no 10:10-11 '62

Treatment of exudative-catarrhal diathesis in newborn infants. A. N. Gendinov. Azerb. med. zhur. 40 no 9:67-69 S '63

## INFANTS (NEWBORN)—MORTALITY

Pel'ov, M. A., and I. I. Klimets. [Perinatal mortality] Perinatal'naya smertnost'. [Leningrad] Meditsina, 1965. 217 p. (DNLM)

## INFANTS (PREMATURE)

Polkanina, R. I. [Development of the higher nervous activity in premature infants during the early period of their life] Razvitiie vyssheynervnoy deiatel'nosti u nedonoshennykh detei v ranneye periode zhizni. [Leningrad] Meditsina, 1966. 246 p. (DNLM)

## INFECTION

Perinatal smallpox infection in white mice. T. I. Kaptsova. Trudy Mosk. nauch.-issl. inst. virus. prep. no 3:62-68 '65

**INFECTIOUS HEPATITIS** see Hepatitis, Infectious

## INFLAMMATION

Characteristics of inflammatory phenomena in pink salmon pelavina. I. V. Prazdnikov, I. G. Mikhailova. Trudy MNBI no 12:120-134 '66

Effect of adrenocorticotrophic hormone on the development of the Arthus phenomenon and on the morphological composition of the exudate in inflammation. E. M. Mikhailova. Biol. eksp. biol. 55 no 5:51-53 My '63

Pathomorphological characteristics of the effect of cortisone on local aseptic inflammation. V. V. Nekrasov. Azerb. med. zhur. no 8:25-32 Ag '62

Possible mechanism of the recurrence of local inflammatory processes. L. S. Salimov. Pat. fiziol. i eksp. terap. no 3:14-18 '64

## INFLORESCENCE

Formation of generative buds in Weigela praecox and Weigela maddendorffiana. L. V. Kozlova-Semenchenko, L. A. Fialova. Vest. Mosk. univ. Ser. 6. Biol., pochv. 21 no 4:61-68 J1-Ag '66

Phases of organogenesis in wheat and their relation to the elements of productivity. Z. A. Morozova. Trudy Inst. gen. no 26:25-30 '62

**INFLUENCE OF ALTITUDE** see Altitude, Influence of

## INFLUENZA

Current problems of influenza. M. I. Sokolov. Vop. virus. 11 no 5:515-518 S-O '66

Dynamics of morbidity with temporary disability among workers in petroleum processing plants for the years 1951-1961. I. I. Alekperov. Azerb. med. zhur. 40 no 3:62-70 M '63

Influenza and its control. Ochr. truda i sots. strakh. 9 no 12:22-23 D '66

## INFLUENZA—PREVENTIVE INOCULATION

Study of passive immunization against influenza. N. S. Kropotova. Trudy Mosk. nauch.-issl. inst. virus. prep. no 3:184-184 '65

## INFLUENZA VIRUSES

Detection of influenza antigen in intracellular inclusions by labeled J131 antibodies. T. I. Liasakina and others. Vop. virus. 11 no 6:552-558 N-D '66

Effect of thionucleic acid and its mononucleotides on influenza infection under experimental conditions. E. I. Skhanskai, O. P. Peterson. Vop. virus. 8 no 4:466-492 J1-Ag '63

Influenza and influenzalike virus diseases in children. V. D. Soboleva. Vest. AN SSSR 17 no 10:76-88 '62

Micro-method of hemagglutination-inhibition reaction in diagnosis of influenza and parainfluenza infections. O. V. Davydov. Vop. virus. 11 no 5:613-616 S-O '66

Mixed infection of mice with influenza virus A2 and coxsackie virus B3. L. I. A. Zakat'el'skaya and others. Vop. virus. 11 no 5:546-551 S-O '66

Multiplication of influenza viruses in chick embryos and significance of this factor in the production of influenza preparations. T. G. Orlova, L. A. Porubel', I. U. N. Tatarinova. Trudy Mosk. nauch.-issl. inst. virus. prep. no 3:168-174 '65

Preparing hyperimmune influenza, parainfluenza and adenoviral sera. N. N. Orlova and others. Vop. virus. 11 no 5:551-554 S-O '66

Study of adsorption and elution processes of influenza virus. T. G. Orlova, L. A. Porubel', I. U. N. Tatarinova. Trudy Mosk. nauch.-issl. inst. virus. prep. no 3:161-167 '65

Variability of influenza virus following treatment with nitric acid. N. P. Oborotova-Seidova, M. I. Sokolov. Vop. virus. 11 no 6:656-662 N-D '66

## INFLUENZA VIRUSES—CULTURE AND CULTURE MEDIA

Sensitivity of monostatal cultures of different origin to type A2 influenza virus. A. K. Alekseeva. Trudy Mosk. nauch.-issl. inst. virus. prep. no 3:247-251 '65

## INFORMATION STORAGE AND RETRIEVAL SYSTEMS

Calculation of electromechanical effects in thermoplastic recording of information. I. U. P. Gushchina, P. A. Ionkin. Teor. elektrotekh. no 1:114-127 '66

## INFORMATION STORAGE AND RETRIEVAL SYSTEMS—CHEMICAL ENGINEERING

Plotting of a mathematical model of object on current information with automatic selection of structure. A. A. Skripin, P. B. Bukharovskii. Khim. prom. Ukr. no 8:31-38 N-D '66

## INFORMATION THEORY

Information approach to the evaluation of sensitivity in photography and television. Part I. Shortcomings of the existing systems of sensitivity evaluation and the information criterion of sensitivity. S. B. Gurevich. Zhur. nauch. i prikl. fot. i khim. 7 no 2:133-140 M-Ap '62

Information model of nonreliable combinational networks. I. U. L. Iva'skii, O. M. Rabin. Kibernetika no 6:11-16 N-D '66

## INFORMATION THEORY IN GENETICS

Zhukov-Vozzhalyov, N. N. [Theory of genetic information, a theoretical and experimental essay] Teoriia geneticheskoi informatsii, teoreticheski i eksperimental'nyi ocherk. Moskva, Mysl', 1966. 319 p.

## INFORMATION THEORY IN NAVIGATION

Use of information theory in navigation. V. I. Vashkin. Ryb. khoz. 12 no 11:84-85 '66

## INFRARED RAYS

Study on the radioprotective properties of infrared and ultraviolet rays in lesions caused by X-rays. Azerb. med. zhur. 40 no 3:49-55 M '63

## INFRARED RAYS—INDUSTRIAL APPLICATIONS

Theoretical premises for studying a stream flow using radiant energy. O. S. Shendia. Trudy GRUZNIMFISHA 8 no 2:125-135 '62

## INFRARED SPECTROMETRY

Some problems in the methodology of infrared spectroscopy of micro-organisms. I. U. S. Vall', V. M. Klevachin. Zhur. mikrobiol. i epid. i immun. 33 no 6:86-107 Je '62

Use of the infrared spectroscopy method in the investigation of synthetic blood substitutes. R. G. Zhdankov, N. P. Krivosheev, G. V. Reutovich. Dokl. AN BSSR 6 no 8:592-594 S '62

## INFRARED SPECTRUM see Spectrum, Infrared

## INFUSORIA see subdivision under Black Sea, Byk River, Dubossary Reservoir

## INGICHKA REGION (UZBEKISTAN)—SHAFT SINKING—EQUIPMENT AND SUPPLIES

Pillar recovery and shaft deepening at "Kapital'naya" Mine of Ingichka Mine Administration. N. U. Ushakuliev, M. Kh. Khussanov. Gor. zhur. no 11:39-40 N '66

## INGOT MOLDS

Optimum structure of cupola furnace melted cast iron for ingot mold casting. G. I. Tsygunkov, V. V. Lakovlev. Lit. proizv. no 12:31-32 D '66

## INGOT MOLDS—MAINTENANCE AND REPAIR see subdivision under Krivoy Rog

## INGUL VALLEY—WATER, UNDERGROUND

Underground waters of the Pliocene alluvial deposits of the region of actual and prospective irrigation areas in the Ingul-Ingulets interfluvium. D. V. Zakhrevskii, A. A. Kulashov. Vod. khoz. no 1:106-112 '66

## INGULETS VALLEY (UKRAINE)—WATER, UNDERGROUND

Underground waters of the Pliocene alluvial deposits of the region of actual and prospective irrigation areas in the Ingul-Ingulets interfluvium. D. V. Zakhrevskii, A. A. Kulashov. Vod. khoz. no 1:106-112 '66

## INHERITANCE AND SUCCESSION (see also subdivision under Ukraine)

Judicial practice in inheritance cases. V. Pantugin. Sots. zakon. no 11:36-41 N '66

## INHIBITION

Delenge and "stagnant" inhibition in schizophrenic patients. N. V. Vinogradov. Zhur. vys. nerv. delat. 12 no 3:426-431 My-Je '62





## INSULIN SHOCK THERAPY

Comparative effectiveness of the treatment of schizophrenia with aminazine and its combination with insulin. N. V. Vinogradov, N. K. Tkachenok. Zhur. nev. i psikh. 63 no. 12:12-113 '63.

Possibility of the combined use of insulin and aminazine for the treatment of schizophrenia patients. Report No. 1 V. P. Kufin. Zhur. nev. i psikh. 63 no. 1:111-118 '63.

## INSURANCE

Problems of developing state insurance in the R. S. F. S. R. A. Golikov. Fin. SSSR 10 no. 11:21-26 N '66.

## INSURANCE, AGRICULTURAL

Results suggest, survey of activities and correspondence received by the editor. Fin. SSSR 10 no. 11:73-75 N '66.

## INSURANCE, SOCIAL

First steps of the People's Commissariat of Social Security. Z. Antipina. Sots. obshch. 11 no. 12:7-10 D '66.

## INSURANCE, SOCIAL—EMPLOYEES

Place in life. IU. Osipov. Sots. chespe. 11 no. 12:18-21 D '66.

## INTAKES (HYDRAULIC ENGINEERING)

Bottom water intake with jet cutoff. G. A. Dzhusheli, N. B. Kolesnikov. Gid. st. 33 no. 7:39-41 JI '63.

Calculating radial systems of horizontal holes. G. A. Nazumov. Trudy Lab. inzh. gid. gosol. VODGEO no. 4:29-19 '62.

Calculating rectilinear infinite series of wells. N. N. Veitgin. Trudy Lab. inzh. gid. gosol. VODGEO no. 1:4-23 '62.

## INTEGRAL EQUATIONS

Daniluk, I. I. [Lectures on boundary value problems for analytic functions and on singular integral equations; for students of Novosibirsk State University] Lektsii po kraevym zadacham dlia analiticheskikh funktsii i singularnym integralnym uravneniim, dlia studentov Novosibirskogo Gosuniv. silein. Novosibirsk, Novosibirskii gos. univ., 1964, 225 p.

Definition of notion of solution to integral equation with discontinuous operator. N. V. Azbelev, L. I. Ilin. Sb. R. K. Bagimkhanov. Dokl. AN SSSR 171 no. 2:217-230 N '66.

An inversion formula of A. Bitsadze. T. G. Gogelina. Trudy Vych. tsentr. AN Gruz. SSR 3:61-67 '62.

On generalization of Chandrasekhar's equation. V. A. Kikichev, V. S. Rogozhin. Dif. urav. 2 no. 9:1264-1270 S '66.

Use of IU. D. Sokolov's method in approximate solution of integral equations with delayed argument. M. M. Galil. Ukr. mat. zhur. 10 no. 6:102-111 '66.

Variation of method of averaging functional connections in solving linear mixed-type integral equations. V. I. Titonchuk. Dif. urav. 2 no. 9:1220-1238 S '66.

## INTEGRAL EQUATIONS—BOUNDARY VALUE PROBLEMS

A nonlinear boundary value problem of Hilbert. T. Z. Chorkhvi. Trudy Vych. tsentra AN Gruz. SSR 3:237-239 '62.

## INTEGRALS, GENERALIZED

Boundary values of Poisson integral and convergence rate of Fourier series of continuous functions. M. A. Subbotnikov, L. I. Kalanova. Dokl. AN Tadzh. SSR 9 no. 12:3-6 '66.

Connected extremum problem for class of functions representable by Stieltjes's integral. V. A. Varlukhin, S. A. Kas'ianuk, V. G. Flinogenova. Izv. vys. ucheb. zav., mat. no. 6:40-49 '66.

## INTEGRALDIFFERENTIAL EQUATIONS

New method for solution of cascade theory equations. A. I. Vaskin, V. V. Guryavina, I. P. Ivanenko. Zhur. eksp. i teor. fiz. 51 no. 1:1483-1491 N '66.

Nonlinear equations relating to problem of cathodic protection of pipe systems from corrosion. V. N. Ostapenko. Vych. mat. [Kiev] no. 2:154-160 '66.

One integrodifferential equation. E. P. Peskov. Izv. vys. ucheb. zav., mat. no. 6:125-130 '66.

Relaxation in system with suddenly changing perturbation in presence of correlation between its successive values. A. I. Burelstein, IU. S. Osetchlik. Zhur. eksp. i teor. fiz. 51 no. 4:1071-1083 O '66.

## INTELLIGENCE SERVICE see subdivision under United States

## INTERCOMMUNICATION SYSTEMS

"Interorgtekmika-66." Vest. svlazi. 26 no. 11:90-92 N '66.

## INTEREST AND USURY

Interest and business accounting. P. Pichellin, L. Rubenov. Den. i kred. 24 no. 12:24-27 D '66.

## INTERFEROMETER

Stable radiointerferometer with a large base. B. M. Chikhaev. Radiotekhn. i elektron. 11 no. 11:2072-2071 N '66.

## INTERFEROMETRY

Interference method for studying homogeneity of synthetic corundum crystals. V. S. Doladzhina, D. E. Beizina. Rost. kn. 5:102-109 '65.

Interferometric observation of crystal growth. Zdenek Salc. Rost. kn. 5:212-216 '65.

Solution of an inverse problem in seismic prospecting by methods of interference analysis. IU. V. Timoshin. Nauch. zap. LPI no. 80:90-95 '62.

Some results of studying homogeneity of synthetic corundum crystals by interference method. V. S. Doladzhina, D. E. Beizina, N. P. Tikhonova. Rost. kn. 5:110-117 '65.

## INTERFERON

Effect of interferon on production of hemagglutinins in chick fibroblasts infected with smallpox virus. IU. V. Chernetsov. Vop. virus. 11 no. 6:667-671 N-D '66.

Interferon and some problems of viral interferon. V. P. Gamburg. Vop. virus. 8 no. 4:387-391 JI-Ag '63.

Interferon, its properties and possible practical use. A. A. Smolodintsev. Usp. sov. biol. 62 no. 3:398-414 N-D '66.

Mechanism of interferon effect on reproduction of smallpox virus and cell metabolism. O. P. Peterson. Vop. virus. 11 no. 6:682-686 N-D '66.

Study of interferon activity in chick fibroblasts-chicken pox virus system at various intervals of its action. IU. V. Chernetsov. Vop. virus. 11 no. 5:525-532 5-O '66.

## INTERINDUSTRY ECONOMICS

(see also subdivision under Germany, East)

Regularity of the rates of branch development. E. Savinskii. Vop. ekon. no. 12:20-40 D '66.

## INTERIOR DECORATION

Readers' suggestions. Stro. i arkht. Len. 24 no. 9:29-30 S '63.

## INTERIOR ELECTRIC WIRING see Electric wiring, Interior

## INTERMETALLIC COMPOUNDS

Alloying crystals of some intermetallic compounds through melts. N. I. Kostin, V. I. Pospelov. Rost. kn. 6:288-295 '65.

Interaction between an Al-Pb-Sn melt and cyclically deformed steel. M. I. Chelceva, V. F. Shatynskiy. Dop. AN URSR no. 11:1456-1460 '62.

## INTERNAL COMBUSTION ENGINES

Effect of loading on the change of diametric gap between cylinder bushing and engine piston. A. N. Ustinov. Vest. mashinost. 16 no. 12:36-37 D '66.

For greater precision in calculating the energy balance during the process of filling an internal combustion engine. G. A. Khamatova. Trudy GRUZHIMSKha 8 no. 2:17-38 '62.

Liquefied gases as fuel for internal combustion engines. V. P. Davydov, V. M. Popov, Trudy IGI 16:128-134 '62.

## INTERNAL COMBUSTION ENGINES—FUEL SYSTEMS

Mixture distribution in a carburetor engine. Raspielenie smesi v karburatornom dvigatеле. [By] V. I. Andreev i dr. Moskva, Mashinostroyeniye, 1966, 126 p.

## INTERNAL COMBUSTION ENGINES—IGNITION

Thermodynamic analysis of the cycle of spark and flame ignition. N. S. Zhdanovskii, K. I. Kozhushko, A. V. Nikolaenko. Zap. LSKhII 66:18-25 '65.

## INTERNAL COMBUSTION ENGINES—MAINTENANCE AND REPAIR

Improving the quality of the repair of internal combustion engines in transportation, seminar. Inform. blul. VDNKh no. 8:9 Ag '62.

Operating the ZIL engine. I. L. Kaganov, A. E. Galburit. Prom. Bel. 9 no. 12:21-25 D '66.

## INTERNAL COMBUSTION ENGINES—SAFETY MEASURES

Protecting friction pairs of an engine from soiling particles. M. A. Grigor'ev. Vest. mashinost. 46 no. 12:33-35 D '66.

## INTERNAL COMBUSTION ENGINES—TESTING

Kiuregian, S. K. [Using the method of spectrum analysis in evaluating the wear of internal combustion engines] Otsenka iznosa dvigateli vnutrennego sgoraniia metodom spektral'nogo analiza. Moskva, Mashinostroyeniye, 1966, 151 p.

Unit for investigating the wear of engine bushings. V. P. Suslov, B. I. Kataman. Prom. Bel. 9 no. 12:21 D '66.

## INTERNAL FIXATION IN FRACTURES

Clinicoradiological evaluation of intramedullary metal osteosynthesis of fractures with simultaneous experimental hetero- and auto-bone grafting. A. I. Bal'. Eksp. khir. i plast. 8 no. 6:47-51 N-D '63.

Exercise therapy in diaphyseal fractures of the forearm. Following treatment with intramedullary metal fixation. I. N. Naumova. Trudy Inst. im. N. V. Sklif. 7:160-167 '65.

Experimental intramedullary fixation in bone grafting for the repair of femoral diaphysis with lyophilized tubular homotransplant. A. I. Morozov. Trudy Inst. im. N. V. Sklif. 7:120 '61.

Immediate and late results of surgical treatment of diaphyseal fractures of the femoral neck with three-bladed metal nail. L. N. Akimova, E. I. Roldanov. Travmatologiya no. 1:181-186 '65.

Intramedullary osteosynthesis with the use of shifted autotransplants. G. M. Baranov. Travmatologiya no. 1:178-181 '65.

Late results of intramedullary fixation of fractures of the diaphysis of the femur. N. I. Guzenko. Trudy Inst. im. N. V. Sklif. 7:303-305 '63.

Late results of surgical osteosynthesis with a metallic screw in medial fractures of the femoral neck. L. I. Kaem. Trudy Inst. im. N. V. Sklif. 7:316-321 '63.

Late results of surgical treatment of closed and open fractures of the forearm bones using the method of intramedullary metal osteosynthesis. O. S. Chakhu-nashvili. Trudy Inst. im. N. V. Sklif. 7:312-318 '63.

Late results of surgical treatment of fractures of the diaphysis of the femur by intramedullary fixation with a metallic rod. L. I. Tanova. Trudy Inst. im. N. V. Sklif. 7:306-311 '63.

Late results of surgical treatment of nonunited fractures of the diaphysis of the forearm. N. A. Popova. Trudy Inst. im. N. V. Sklif. 7:349-351 '63.

Late results of surgical treatment of trochanteric fractures of the femur. P. N. Petin. Trudy Inst. im. N. V. Sklif. 7:311-316 '63.

Mechanology of metallic osteosynthesis of closed diaphyseal fractures of the shin using K. M. Khranov's modified nail. V. I. Karychuk. Travmatologiya no. 1:221-224 '65.

Primary healing of the bone in operative treatment of closed diaphyseal fractures in both bones of the shin. K. V. Leputina. Trudy Inst. im. N. V. Sklif. 7:330-334 '63.

Results of surgical treatment of fractures of bones of the extremities. A. I. Reizina. Trudy Inst. im. N. V. Sklif. 7:368-372 '63.

Some complications in the metallic osteosynthesis in experimental fractures of tubular bones. V. S. Tuzusov. Trudy Inst. im. N. V. Sklif. 7:384-389 '63.

Surgical treatment of closed diaphyseal fractures of the bones of the shin. O. N. Gudushari. Trudy Inst. im. N. V. Sklif. 7:335-337 '63.

Surgical treatment of diaphyseal fractures of the forearm and their outcomes. A. M. Akimov. Trudy Inst. im. N. V. Sklif. 7:331-358 '63.

Surgical treatment of nonunited fractures and pseudarthroses. R. A. Ilyubov. Trudy Inst. im. N. V. Sklif. 7:372-383 '63.

Technique of closed introduction of the nail in medial fractures of the femoral neck. V. I. Ruzentsvit. Travmatologiya no. 1:187-189 '65.

Treatment and outcome of fractures of the epiphysis capituli of the humerus. I. T. Knysh. Travmatologiya no. 1:202-208 '65.

## INTERNAL FRICTION

Amplitude and time-dependent relations of internal friction in ionic crystals. V. I. Plakov, V. I. Staritsaev. Fiz. tver. tela 8 no. 7:1994-2000 JI '66.

Effect of exposure to light on internal friction in crystals. A. A. Dargatzis, C. S. Baidanov. Izv. AN Arm. SSR, Fiz. i no. 3:203-201 '66.

## INTERNAL MEDICINE see Medicine, Internal

## THE INTERNATIONAL

Institut marksizma-leninizma, Moscow. [From the history of Marxism and the international labor movement, for the 100th anniversary of the founding of the I International] Iz istorii marksizma i mezhdunarodnogo rabochego dvizheniya; k 100-letiyu so dnia osnovaniia I Internationala, Moskva, Politizdat, 1964, 664 p. (CS-11)

## INTERNATIONAL BANK FOR ECONOMIC COOPERATION

International Bank for Economic Cooperation. K. Nazarkin. Den. i kred. 24 no. 12:40-43 D '66.

Karpik, V. S. [Bank for the cooperation of equals; prerequisites for its creation and operation] Bank soderzhestva ravnykh, predposylki sozdaniia i deiatel'nost'. Pod red. K. A. Larionova. Moskva, IMO, 1966, 158 p.

## INTERNATIONAL COMPETITION see Competition, International

## INTERNATIONAL EDUCATION

The feeling of belonging to a single family. V. Mazurin. Agitator no. 18:45-47 S '62.

## INTERNATIONAL GEOPHYSICAL YEAR, 1957-1958

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66  
On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66  
On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

## INTERNATIONAL LAW

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

## INTERNATIONAL RELATIONS—BIBLIOGRAPHY see Bibliography, International Relations

## INTERNATIONAL RELATIONS—RESEARCH

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

## INTERNATIONALISM

(see also subdivision under Estonia)

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

Ward, Barbara. [Five ideas that change the World. Translated from the English] Put' idey, kotorye meniyat mir. N.Y., N.Y., F.A. Praeger [1961] 180 p. (NIC)

## INTERPLANETARY MATTER

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

Effect of corpuscular radiation on the interplanetary medium. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

## INTERPOLATION

Interpolation by rational functions with fixed poles. V. M. Rozhnok. *Dokl. Ak. Nauk SSSR* 6 no. 3:546-556 S '62

## INTERSTELLAR MATTER

Helium <sup>3</sup>He, its sources and methods of observation. R. V. Stetsko. *Astron. Zh.* 43 no. 6:1273-1286 N-D '66

Radioisotopes for selective interstellar absorption in Orion. R. Barabga. *Astron. Zh.* 43 no. 6:1273-1286 N-D '66

## INTERVERTEBRAL DISK—DISEASES

Lumbar discalgia. A. I. Osna. *Zhur. nevrolog. psikh.* 63 no. 1:31-36 '63

## INTERVERTEBRAL DISK—HERNIA

Clinical aspects and differential diagnosis of lumbar discal hernia indications for surgical treatment. B. L. Lubnir. *Zhur. nevrolog. psikh.* 63 no. 1:37-42 '63

## INTESTINAL AND PARASITIC WORMS see Worms, Intestinal and parasitic

## INTESTINAL FISTULA see Fistula, Intestinal

## INTESTINES

Correlation between the rostral portion of the reticular formation and the small intestine. O. P. Dobromyslova. *A. V. Zubkov. Biol. eksp. biol. med.* 55 no. 5:13-16 N-D '63

Role of the suprarenal gland in the tissue respiration regulation of the intestines irradiated with radioactive strontium. Z. I. Slutova, E. I. Komarov. *Vop. radiofiz.* 1:25-32 '61

## INTESTINES—ANATOMY

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

On the question of the role of the Earth's magnetic field in the formation of the Earth's atmosphere. *Sov. Astron. Zh.* 43 no. 6:1273-1286 N-D '66

Physiological structure of bacterial intestinal infections. I. A. Vasilev. *Zhur. mikrobiol. epid. i immun.* 13 no. 1:55-57 N '66

Outbreak of acute intestinal disease caused by Escherichia coli of the O15 serotype. F. N. Kulikov, D. I. Vaisman, J. I. Kovalchik. *Zhur. mikrobiol. epid. i immun.* 33 no. 6:69-73 Je '62

Phlegmon of the large intestine. S. K. Ghasman, I. A. Ginzburg. *Khirurgiya* 42 no. 11:61-67 N '66

Results of studying the infectious enteritis of geese. L. M. Kontimavits and others. *Veterinariya* 13 no. 12:34-36 D '66

Significance of focal (topographic) leucocytosis in the differential diagnosis of some acute intestinal infections. M. M. Budzhe, L. I. Izajet. *Sov. med.* 26 no. 9:118-121 Mr '63

Use of selenite medium for bacteriological diagnosis of intestinal infections. A. P. Nuzinov and others. *Lab. dezo* no. 1:10-12 '67

## INTESTINES—INNERVATION

State of intramural nervous apparatus of an intestinal loop transplanted into the neck. L. F. Minkova. V. I. Kulik. *Trudy 1-go MMI* 48:153-158 '66

Study of the mechanism of chemoreception. Report No. 5. Effect of tetraethylammonium on receptivity of small intestine receptors to different chemical stimuli. N. A. Anikina. *Bull. eksp. biol. i med.* 55 no. 6:20-24 Je '63

## INTESTINES—MICROBIOLOGY

Data on the study of intestinal microflora in dysentery in young children. Report No. 2, author's abstract. Kh. P. Gamlechkov. *Zhur. mikrobiol. epid. i immun.* 33 no. 6:93-94 Je '62

Immunohistochemical analysis of polysaccharide-containing complexes of intestinal bacteria of various serotypes. S. V. Monakova-Dobotko, I. A. Zakharova. *Mikrobiol. zhur.* 28 no. 6:27-33 '66

New preserving liquid for intestinal protozoa. R. S. Safaraliev. *Med. paraz. i paraz. bol.* 32 no. 2:221-222 N-D '63

## INTESTINES—OBSTRUCTIONS

Inflation of the mechanoreceptors of the intestinal wall as a cause of dynamic intestinal obstruction. IU. M. Gal'perin. *Bull. eksp. biol. i med.* 55 no. 5:45-48 My '63

## INTESTINES—SURGERY

Changes in alkaline phosphatase activity in neurons of spinal ganglia of cat following resection of rectum and sigmoid colon. A. P. Amvros'ev. *Dokl. AN BSSR* 10 no. 9:710-714 S '66

Experience in using small and large intestine invagination anastomoses at various levels of large intestine. I. A. D. Vitebski. *Sov. med.* 29 no. 12:16-51 D '66

New method of applying an anastomosis to the small intestine. A. A. Zaporozhets. *Dokl. AN BSSR* 6 no. 6:32-35 Je '62

Obstructive resection in obstruction of the large intestine caused by a tumor. O. I. Vinogradova, B. A. Petrov. *Khirurgiya* 42 no. 11:58-63 N '66

Primary cancer of the small intestine. V. N. Mchikova, Khirurgiya 42 no. 11:53-57 N '66

Repeated surgery on rectocolic carcinoma of the ileocecal angle in children, 3 observations. L. A. Danov, V. A. Shkarenkov. *Vop. onk.* 12 no. 12:58-60 '66

Selection of surgery in villous tumors of the rectum and large intestine. A. N. Ryzhikh, IU. M. Slavin, I. M. Inolatov. *Khirurgiya* 42 no. 11:67-73 N '66

## INTESTINES—TRANSPLANTATION

Changes in some functions of the organism following antihemorrhagic esophagoplasty with the small intestine. E. A. Pechatnikova, L. G. Selezneva. *Khirurgiya* 39 no. 2:119-124 T '63

Dynamics and mechanisms of the motor activity of an autotransplanted intestinal segment. V. P. Kulik and others. *Trudy 1-go MMI* 49:150-167 '66

Free transplantation of the small intestine with subsequent vascular anastomosis for esophagoplasty. V. I. Popov, V. I. Filin. *Eksp. khir. i onkol.* 8 no. 6:23-25 N-D '63

Morphological characteristics of homotransplants of small intestine in dogs. N. A. Bykova, V. P. Kulik. *Trudy 1-go MMI* 49:145-152 '66

Our experience in the reversion of the initial segment of the small intestine and duodenum following resection of the stomach. A. M. Betanich. *Trudy Inst. im. N. V. Sklif* 7:131-136 '63

Peptic ulcers of the large intestine in esophagoplasty. B. A. Petrov, P. P. Sytnik. *Khirurgiya* 39 no. 2:107-112 F '63

Segmental intestinal plastic surgery of the cervical section of the esophagus. V. I. Popov, V. I. Filin. *Khirurgiya* 39 no. 2:113-118 F '63

State of intramural nervous apparatus of an intestinal loop transplanted into the neck. L. F. Makarova, V. P. Kulik. *Trudy 1-go MMI* 49:153-158 '66

Transplantation of a segment of small intestine in the high resection of the stomach and gastrectomy. P. N. Petrov. *Trudy Inst. im. N. V. Sklif* 7:123-128 '63

Use of small intestine in plastic surgery in the treatment of gastric diseases following gastrectomy. E. I. Zakharov. *Trudy Inst. im. N. V. Sklif* 7:117-121 '63

## INTESTINES—TUMORS

Obstructive resection in obstruction of the large intestine caused by a tumor. O. I. Vinogradova, B. A. Petrov. *Khirurgiya* 42 no. 11:61-67 N '66

Selection of surgery in villous tumors of the rectum and large intestine. A. N. Ryzhikh, IU. M. Slavin, I. M. Inolatov. *Khirurgiya* 42 no. 11:67-73 N '66

## INTRA-ARTERIAL INJECTIONS see Injections, Intra-arterial

## INTRACRANIAL PRESSURE

New data on the mechanism of intracranial blood circulation. A. I. Nuzinov and others. *Trudy Inst. im. N. V. Sklif* 7:123-128 '63

## INTRAMUSCULAR INJECTIONS see Injections, Intramuscular

## INTRACULAR PRESSURE

Correlation of intracocular and systemic arterial pressure in artificial hypothermia in animals with thromboembolism. I. P. Popov. *Bull. eksp. biol. i med.* 55 no. 1:27-30 N-D '63

## INTRATHACHEAL ANESTHESIA

Anesthesia and the loss of blood in operations on the heart. I. A. Todorov. *Dokl. AN BSSR* 10 no. 9:636-640 S '66

Effectiveness of endotracheal oxygen and nitrate in the treatment of tumor and hemorrhage in a state of shock. A. V. Matinkov. *Eksp. khir. i onkol.* 8 no. 6:27-30 N-D '63

## INTRAVENOUS INJECTIONS see Injections, Intravenous

## INTUITION

Characteristics of intuition as an element of knowledge. I. K. Rodionova. *Vest. Mosk. univ.* 5:181-182 N-D '61

## INVARIANTS

Averaging of invariant of Green's function tensor. I. I. Todorov. *Dokl. AN BSSR* 10 no. 9:636-640 S '66

Continuity of certain conformal invariants. P. M. Todorov. *Ukr. mat. zh.* 18 no. 6:670-674 '66

Some problems in the theory of vector invariants. D. B. Khabatov. *Dokl. AN BSSR* 171 no. 5:1019-1020 D '66

## INVENTIONS

Planning the efficiency of the introduction of inventions and innovations. A. G. Babatov, I. A. Pashin. *Vop. izob.* no. 0:3-6 Ag '66

Problems of invention work in institutions for higher education. A. I. Andriyevskii. *Vop. izob.* no. 8:1-11 Ag '66

Problems of the future. B. I. Lapunov. *Vop. izob.* 6 no. 10:13-11 O '66

## INVENTORS, AMERICAN

Wilson, Mitchell A. [American scientists and inventors. Translated from the English] *Amerikanskie uchenyie i izobretateli*. [Moskva, Znanie, 1964] 146 p. (MU)

## INVERTASE

Methods of determination of the saccharase activity of cells. M. V. Petrov, B. V. Antas'eva, M. K. Kovalchik. *Trudy 1-go MMI* 49:150-167 '66

## INVESTMENTS, FOREIGN see subdivision under Africa, India

## IODIDES

Concentration of substances in polarographic analysis. Report No. 8; Determination of iodine ions. Kh. Z. Brainin, E. I. A. Sidorovskaya. *Zhur. anal. khim.* 21 no. 11:1342-1347 '66

Study of the process of the oxidation of the iodine ion by chlorine and hypochlorite in salt solutions. G. I. Zolotarev, S. I. Avorakhi. *Izv. AN Turk SSR. Ser. fiz.-tekhn. i geol. nauk* no. 5:40-45 '62

## IODINE

Electric characteristics of tellurium doped with iodine. G. B. Bagdadyev, S. A. Abakarov. *Fiz. tvor. tela* 5 no. 7:2234-2237 JI '66

Equilibrium in the system boron phosphide - iodine. I. A. Ginzburg, N. P. Luzhina, Z. S. Medvedeva. *Izv. AN SSSR. Neorg. mat.* 2 no. 12:2130-2133 D '66

Iodine content of the air over Daghestan. L. A. Magomedova, A. B. Salimov. *Agroklimatika* no. 12:94-96 D '66

Some syntheses of five-membered heterocyclic compounds carried out by means of iodine cyclization reaction. V. I. Stanyetskiy, I. O. Shylov. *Dop. AN URSR* no. 11:1474-1476 '62



## IRON

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## IRON ORES

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## IRON RAILS

See also **IRON CATALYSTS**, **IRON FOUNDING**, **IRON METALLURGY**, **IRON MINES AND MINING**, **IRON ORES**, **IRON STEEL**, **IRON WORKS**

## IRON STEEL

## IRON CATALYSTS—ADSORPTIVE PROPERTIES

Adsorptive and catalytic properties of iron and its alloys with nickel and copper. N. M. Popov, I. V. Babinov, D. V. Shkol'skiy. Trudy Inst. khim. nauk AN Kazakh SSR 14:106-127 '66

## IRON FOUNDING

Effect of chill calculation on the rate of cooling of chilled rolls for section rolling. A. E. Klyuchevskiy, V. P. Koshov, O. N. Rudnev. Izv. vuzov mashinostroyeniya no 12:122-126 '66  
Specialization in the production of small iron castings at "Izdel'mekhi" instrument plant. S. A. Murzhan. Lit. proizv. no 12:36-37 D '66  
Sulfur content in cupola furnace cast iron. L. I. Korbin'skiy. Lit. proizv. no 12:26-27 D '66

## IRON FOUNDING—COOLING

Regulating the cooling of iron castings in a mold. O. M. Koshovskiy, E. S. Zolotarev. Lit. proizv. no 11:22-23 '63

## IRON FOUNDING—DEFECTS

Formation of sand fused on iron castings manufactured in sand and forms. V. F. Marchenkov, D. A. Kuznetsov, A. I. Malakhov. Trudy MKHTI no 11:202-207 '63

## IRON HYDROXIDES

Separation of small amounts of cadmium and indium by coprecipitation with iron hydroxide. A. I. Novikov, T. A. Pirogova. Dokl. AN Tadzhik SSR no 12:28-31 '66

## IRON IN THE BODY

Age-related changes in the iron content in tissues and DNA preparations of white rats. B. I. Gol'shteyn, S. G. Rud'ko, L. L. Politskaya. Vop. med. khim. 12 no 6:618-621 N-D '66

## IRON METABOLISM

Disorder of iron metabolism in ankylostomiasis. I. I. Soprunov. Med. para. i para. bol. 32 no 2:154-163 '66

Effect of some factors on iron oxidation by *Thiobacillus ferrooxidans* cultures. V. I. Ivanov, M. I. Chudakovskiy. Izv. AN SSSR no 12:795-799 S-O '62

Metabolism of iron-containing substances in animal organs following total-body X-ray irradiation. S. E. Manolov, Shen' Ven'-met [Shen Wen-mei], C. I. Shcherban'. Vop. radiobiol. 4:184-188 '61

## IRON MINES AND MINING

See subdivision under **Krivoy Rog Basin, Novokuznetsk region**

## IRON MINES AND MINING—MANAGEMENT

Make fuller use of Ural iron ore deposits. V. I. Kolibaeva, E. M. Kozlov. Gorn. zhurn. no 11:7-10 N '66

## IRON-MOLYBDENUM ALLOYS—GALVANOMAGNETIC PROPERTIES

Galvanomagnetic effect in iron-molybdenum alloys. R. G. Annaev, G. Malyukov, A. Orazsakhov. Izv. AN Turk SSR Ser. fiz.-tekhn. i khim. i geol. nauk no 1:105-108 '62

## IRON-NICKEL ALLOY PLATING

See **Nickel-Iron alloy plating**

## IRON ORES

See also subdivision under **Krivoy Rog Basin, Siberia, Western, United Arab Republic, White Russia**

Effect of porosity of iron-containing minerals on their floatability. O. S. Bogdanov, N. S. Mikhailova. Obog. rud. 11 no 3:19-22 '66

## IRON OXIDES

Conditions of forming various modifications of iron hydroxide during precipitation from iron chloride solutions. F. V. Solenko, M. M. Gelfman, E. U. Dautbaev. Trudy Inst. met. i obog. AN Kazakh SSR 16:40-51 '66

Effect of the Fe<sub>2</sub>O<sub>3</sub> content on the kinetics of assimilation of lime by clinkers. M. M. Nikolaev, I. U. M. Buti, V. V. Timashev. Trudy MKHTI no 11:144-146 '63

Interaction in the system H<sub>2</sub>O - Al<sub>2</sub>O<sub>3</sub> - Fe<sub>2</sub>O<sub>3</sub> - H<sub>2</sub>O at 90°. L. P. Ni and others. Trudy Inst. met. i obog. AN Kazakh SSR 16:52-64 '66

## IRON OXIDES—TOXICOLOGY

Studying the toxicity of ferrous oxides. S. M. Taitko. Pochv. ust. i efek. udob. no 1:48-50 '63

## IRON-SILICON ALLOYS

Effect of temperature and composition on density and surface energy of iron-silicon melts. E. S. Jevina, P. V. Gaid, B. A. Baum. Zhur. fiz. khim. 40 no 11:2706-2712 N '66

## IRON-TITANIUM-SILICON ALLOYS

See **Titanium-iron-silicon alloys**

## IRONWORKS

See **Iron and steel plants**

## IRRIGATION

See also subdivision under **Kazakhstan-Cherkassy Autonomous Province, Leningrad Province, Rostov Province, Ukraine, United States**

## Askaniya-Nova

See also subdivision under **Askaniya-Nova, Ukraine, United States**

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## Askaniya-Nova

See also subdivision under **Askaniya-Nova, Ukraine, United States**

## Askaniya-Nova

See also subdivision under **Askaniya-Nova, Ukraine, United States**









## KAZAKHSTAN—ALUMINUM SILICATES (Continued)

Kinetics of interaction of the stable form of sodium aluminosilicate hydrate with acid and high-sulfate aluminate solutions. I. P. NI, I. G. Romanov, E. I. Oshpova. Trudy Inst. met. i obog. AN Kazakh SSR 16 21-29 '66.

## KAZAKHSTAN—ANTIQUITIES

Akademika nauk USSR, Institut Arkheologii, [Andronovo culture, in three parts] Andronovskaya kultura, v trekh vypuskakh. Moskva, Nauka (Arkheologiya SSSR, svod Arkheologicheskikh istochnikov, no. V 3-2). No. 1. [Monuments of the western regions] Pamiatniki zapadnykh rayonov. 1966. 62 p. illus.

## KAZAKHSTAN—APPLE

Kalsik, A. N. [Breeding apple trees in Kazakhstan] Selektsiya jablon v Kazakhstane. Alma-Ata, Kalnar, 1965. 206 p. (CU)

## KAZAKHSTAN—ASH (TECHNOLOGY)—ANALYSIS

Extracting aluminum from ashes of Ekibastuz coal by hydrochemical methods. I. G. Romanov and others. Trudy Inst. met. i obog. AN Kazakh SSR 16 118-121 '66.

## KAZAKHSTAN—BAUXITE—ANALYSIS

Studying vanadium distribution in processing high-silicon bauxites by the Bayer - hydrometallurgical process. V. Z. Tarasenko and others. Trudy Inst. met. i obog. AN Kazakh SSR 16 122-126 '66.

## KAZAKHSTAN—BORATES

Paleogeologic borates from Kazakhstan. A. I. Ilesiyat, S. V. Malinova, M. A. Panova. Mineral. 11, 167-175 '66.

## KAZAKHSTAN—BORING

Work of a brigade of Communist labor. L. M. Kulikov. Razv. i obr. nedr. 29 no. 3-16-17 M. '63.

## KAZAKHSTAN—BRUCELLOSIS—ECONOMIC ASPECTS

Economic losses on farms afflicted with brucellosis. N. S. Zimovlev. Veterinariia 13 no. 1 36-38 Ja '67.

## KAZAKHSTAN—CALCIUM SODIUM SILICATES

Solubility of calcium sodium hydrosilicates in alkali and aluminate solutions. I. P. NI, I. G. Romanov, E. I. Oshpova. Trudy Inst. met. i obog. AN Kazakh SSR 16 65-69 '66.

## KAZAKHSTAN—CITY PLANNING

Planning and construction of micro districts in southern cities of Kazakhstan. V. Lapin. Arkh. SSSR no. 7-12-18 '66.

## KAZAKHSTAN—COAL MINES AND MINING—EQUIPMENT AND SUPPLIES

Mechanization and automation of industrial processes in Kazakhstan open-pit coal mines. S. V. Khokhlov. Ugol' 11 no. 12 13-15 D '66.

## KAZAKHSTAN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Coal industry of Kazakhstan in the new five-year plan. P. M. Trukhin. Ugol' 11 no. 12 1-4 D '66.

## KAZAKHSTAN—CONSTRUCTION INDUSTRY

Use of resources for residential construction in Kazakhstan more efficiently. V. Putintsev, F. Shadber. Zh. i stroit. no. 10, 2-4 '66.

## KAZAKHSTAN—CONSTRUCTION INDUSTRY—COSTS

Amstibovskii, M. A. [Potentialities of reducing construction costs] Rezervy snizheniya stolimosti stroitel'stva. Alma-Ata, Kazakhskoe gos. izd-vo, 1964. 108 p.

## KAZAKHSTAN—DECORATION AND ORNAMENT

Works of Kazakhstan "monumentalists." R. Rasokhin. Iskusstvo 20 no. 11-20-25 '66.

## KAZAKHSTAN—DESCRIPTION AND TRAVEL

Mafskovich, O. V. [A path across the century] Doroga cherez stoletie. Alma-Ata, "Kazakhstan," 1966. 216 p.

## KAZAKHSTAN—DISTILLING INDUSTRIES

Millionfold ahead of time of the assumed obligations. I. Morchenko. Spirit. prom. 28 no. 4-13 '62.

## KAZAKHSTAN—ECONOMIC CONDITIONS

Powerful "breathing" of our steppes. M. Beloshaev. Agitator 34 no. 24; 10-23 D '66.

## KAZAKHSTAN—ELECTRICITY IN AGRICULTURE

Kazakhskii nauchno-issledovatel'skii institut energotekhniki. [Scientific principles of the power supply system of agriculture in Kazakhstan] Nauchnye osnovy energosnabzheniya sel'skogo khoz. i stva Kazakhstan. [By] Sh. Ch. Chokhin i dr. Alma-Ata, Nauka, 1966. 226 p.

## KAZAKHSTAN—FEEDS

[Feed production in northern Kazakhstan and Western Siberia] Kormoproizvodstvo v Severnom Kazakhstane i Zapadnoi Sibiri. Moskva, [Kolos] 1966. 399 p. (DNL)

## KAZAKHSTAN—FERROMANGANESE

Mineralogy of iron-manganese in the Dzharma deposit. M. M. Kalupova. Izv. AN Kazakh SSR Ser. geol. 23 no. 6 57-80 '63.

## KAZAKHSTAN—GEOCHEMISTRY

Landform-geochemical characteristics of southeastern Kazakhstan. A. Timokhov, N. V. Spasskii, K. Betembekov. Izv. AN Kazakh SSR Ser. geol. 23 no. 5 69-71 S-O '66.

## KAZAKHSTAN—GEOLOGY, STRATIGRAPHIC

Principles of construction of unified stratigraphic scale of Upper Devonian and Lower Carboniferous of central Kazakhstan. A. M. Sadykov. Izv. AN Kazakh SSR Ser. geol. 23 no. 5 12-26 S-O '66.

## KAZAKHSTAN—GEOLOGY, STRUCTURAL

Geology of Bektauat granite massif (central Kazakhstan). G. D. Aevov and others. Sov. geol. 9 no. 11 92-102 N '66.

Stratigraphic formation zones of the Atasu-Otar-Kaparatinsk area (central Kazakhstan). V. V. Davidenko. Vest. AN Kazakh SSR 22 no. 12 64-67 D '66.

Tectonics and characteristics of distribution of granitoid plutons in northeastern margin of Chingiz-Tarbagatay meganticlinorium. V. I. Titov, G. P. Nakhitgal', A. I. Chumachenko. Izv. AN Kazakh SSR Ser. geol. 23 no. 5 3-11 S-O '66.

## KAZAKHSTAN—GNEISS

Gneiss-gneiss formation in western part of central Kazakhstan. G. G. Pavlov. Biol. MOIP, Otd. geol. 11 no. 1 120-128 M. '66.

## KAZAKHSTAN—GRANITE

Geology of Bektauat granite massif (central Kazakhstan). G. D. Aevov and others. Sov. geol. 9 no. 11 92-102 N '66.

## KAZAKHSTAN—HEATING

Kazakhskii nauchno-issledovatel'skii institut energotekhniki. [Scientific principles of the power supply system of agriculture in Kazakhstan] Nauchnye osnovy energosnabzheniya sel'skogo khoz. i stva Kazakhstan. [By] Sh. Ch. Chokhin i dr. Alma-Ata, Nauka, 1966. 226 p.

## KAZAKHSTAN—HISTORY

Commercial contacts of the Kazakhs with Central Asia and Russia in the 18th century. V. S. Batinkov. Nauch. trudy TashGU no. 28; 11-24 '66.

Let me reestablish the truth. A. P. Kuchkin. Vop. ist. 11 no. 12; 197-199 D '66.

Tu sunbay, Abde. [Triumph of the ideas of proletarian internationalism in Kazakhstan] Torzhestvo idey proletarskogo internacionalizma v Kazakhstane. Alma-Ata, "Kazakhstan," 1965. 247 p. (CSU-H)

## KAZAKHSTAN—INDUSTRIES

We devote to thee, our party, our thoughts and our deeds! K. Eglizhaev. Mol. komm. no. 11-62-72 N '61.

## KAZAKHSTAN—LABOR AND LABORING CLASSES

Nusupbekov, A. N. [Formation and development of the Soviet laboring class in Kazakhstan, 1917-1940] Formirovaniye i razvitiye sovetskogo rabochego klassa v Kazakhstane (1917-1940 gg.). Alma-Ata, Nauka, 1966. 241 p.

## KAZAKHSTAN—LANDFORMS

Landform-geochemical characteristics of southeastern Kazakhstan. A. Timokhov, N. V. Spasskii, K. Betembekov. Izv. AN Kazakh SSR Ser. geol. 23 no. 5 69-71 S-O '66.

## KAZAKHSTAN—MINERALOGY

Mineralogy of iron-manganese in the Dzharma deposit. M. M. Kalupova. Izv. AN Kazakh SSR Ser. geol. 23 no. 6 57-80 '63.

## KAZAKHSTAN—NATIONALITIES

The Russian working class and the development of the national republics of Central Asia and Kazakhstan. A. Bogdanov, A. Vishnevskii. Kommunist 43 no. 2; 11-25 F '67.

## KAZAKHSTAN—ORE DEPOSITS

Hypogene changes to red in hydrothermal deposits. G. E. Narvaiz. Izv. AN Kazakh SSR Ser. geol. 23 no. 5 27-38 S-O '66.

## KAZAKHSTAN—PALEONTOLOGY, STRATIGRAPHIC

Akademika nauk SSSR, Otdelenie nauk o Zemle, Otdel paleontologicheskikh kolektsii. [Continental Upper Paleozoic and Mesozoic of Siberia and central Kazakhstan; biostratigraphy and paleontology] Kontinental'nyi verkhniy paleozoi i mezozoi Sibiri i Tsentral'nogo Kazakhstana, biostratigrafiya i paleontologiya. Moskva, Nauka, 1966. 192 p. illus.

## KAZAKHSTAN—PLANT BREEDING

Melloration of land and field crop breeding in northern Kazakhstan. V. P. Kuz'min. Sel'khoz. biol. 1 no. 6; 760-766 '66.

## KAZAKHSTAN—PLANTS, CULTIVATED—DISEASES AND PESTS

Kazennas, L. D. [Diseases of the agricultural plants of Kazakhstan] Bolezni sel'skikh khoz. i stvennykh rastenii Kazakhstan. [Alma-Ata] Kalnar, 1965. 345 p. (CU)

## KAZAKHSTAN—PRECIPITATION (METEOROLOGY)

Some characteristics of precipitation in connection with clouds of various forms during May-June in northern Kazakhstan. G. I. Osipova. Trudy GGO no. 186-173 '66.

## KAZAKHSTAN—PROSPECTING

Organization of the broad revision-evaluation and prospecting of iron-manganese and zinc-lead-lignite ores in the Uspenskoye ore belt. K. I. Salyaev, G. N. Shchegolev, V. G. Li. Izv. AN Kazakh SSR Ser. geol. 23 no. 6 30-33 '63.

## KAZAKHSTAN—RAILROADS—DESIGN AND CONSTRUCTION

Laying second tracks with reinforced concrete cross-ties on the Chu-Badam line. G. I. Novozhilov, A. D. Zhigun, D. V. Matovin. Trudy GGO no. 12 9-11 D '66.

## KAZAKHSTAN—RICE—IRRIGATION

Improve water supply engineering. L. Mhan. Zemledelie 20 no. 12 27-29 D '66.

## KAZAKHSTAN—ROAD CONSTRUCTION

During the years of the seven-year plan in Kazakhstan. L. Goncharov. Avt. dor. 29 no. 11 6 N '66. Maslov Highway Institute at construction sites in Kazakhstan. M. Mironov. Avt. dor. 29 no. 11 3 of cover N '66.

## KAZAKHSTAN—ROCKS—ELECTRIC PROPERTIES

Electric conductivity of Kazakhstan rocks at high temperatures. E. I. Palkhomenko, A. A. Bezouskaya, H. V. Urzayev. Trudy Inst. fiz. Zem. no. 17 180-191 '66.

## KAZAKHSTAN—ROCKS—TESTING

Longitudinal wave velocities under high hydrostatic pressures in specimens of metamorphic and sedimentary rocks of central Kazakhstan. M. P. Volarevich and others. Trudy Inst. fiz. Zem. no. 37-42-60 '66.

## KAZAKHSTAN—ROCKS, IGNEOUS

Tectonics and characteristics of distribution of granitoid plutons in northeastern margin of Chingiz-Tarbagatay meganticlinorium. V. I. Titov, G. P. Nakhitgal', A. I. Chumachenko. Izv. AN Kazakh SSR Ser. geol. 23 no. 5 3-11 S-O '66.

## KAZAKHSTAN—ROCKS, IGNEOUS—TESTING

Longitudinal wave velocities in intrusive rock specimens of Central Kazakhstan under hydrostatic pressures. M. P. Volarevich and others. Trudy Inst. fiz. Zem. no. 37 46-51 '66.

## KAZAKHSTAN—RUNOFF

Measures for controlling mudflows in Kazakhstan. S. P. Kovetskii. Trudy KazNIGMI no. 3-3-10 '54.

## KAZAKHSTAN—SKIN—CANCER

Cancer of the skin of the extremities in Kazakhstan. N. I. Kamenchikova. Vop. onk. 12 no. 11-125 '66.

## KAZAKHSTAN—SNOW

Calculation and prognosis of the disappearance of snow cover under conditions of the Kazakhstan Plain. V. I. Koiyvin. Trudy KazNIGMI no. 3; 11-10 '54.

## KAZAKHSTAN—SOCIAL SCIENCE RESEARCH

Marxist-Leninist social sciences as the vital basis of the socialist system. S. Baizhev. Vest. AN Kazakh SSR 18 no. 1-26-47 Ja '63.

## KAZAKHSTAN—SODALITE—SPECTRA

Alkali sodalites. G. L. Pelekhovskiy, O. B. Khallapina, L. P. NI. Trudy Inst. met. i obog. AN Kazakh SSR 16: 82-87 '66.

## KAZAKHSTAN—SUGAR BEETS—DISEASES AND PESTS

Sugar beet tortoise beetle. E. Mattis. Zashch. rast. 11 no. 12 28 '66.

## KAZAKHSTAN—SUGAR BEETS—IRRIGATION

Irrigation cycles for sugar beets in Kazakhstan. G. Z. Blashev, U. D. Darimbetov. Vest. AN Kazakh SSR 22 no. 12 3-13 D '66.

## KAZAKHSTAN—TELEVISION

Forming creative units. Sov. radio i tel. 12 no. 5; 10-12 My '63.

## KAZAKHSTAN—TILLAGE

Stubble fields and stubble strips. S. S. Sdobnikov, V. G. Tkachenko. Zemledelie 28 no. 10; 30-33 O '66.

## KAZAKHSTAN—TRADE UNIONS

Master the art of organization. Sov. profsoyuzy 22 no. 24; 4-15 D '66.



# KHRUSHCHOV, GRIGORI KONSTANTINOVICH, 1897-1962

Grigori Konstantinovich Khrushchov, an obituary. Iz V. 555R 521 1962 no 3,465-468 15-Je '63.

# KHVALYASK (SARATOV PROVINCE)—BIBLIOGRAPHY—RARE BOOKS

Manuscripts and early printed books of the Khvalynsk Local Library. Saratov Province. V. D. Mikhlin. Trudy OIRL 18:162-163 '62

# KHVALYASK (SARATOV PROVINCE)—MANUSCRIPTS

Manuscripts and early printed books of the Khvalynsk Local Library. Saratov Province. V. D. Mikhlin. Trudy OIRL 18:162-163 '62

# KICHKALAY RANGE—GLACIERS

Hydrological regime of Bakalok Glacier (Kichkalay Range) V. D. Mikhlin. Trudy Sred. Az. nauch.-issl. gidrometeor. inst. no 2:83-88 '66  
Some characteristics of glaciation of Kichkalay Range V. I. Suslov. Trudy Sred. Az. nauch.-issl. gidrometeor. inst. no 27:3-12 '68

# KICHKALAY RANGE—ROCK GLACIERS

Rock glaciers of Kichkalay Range V. I. Suslov. Trudy Sred. Az. nauch.-issl. gidrometeor. inst. no 27:3-12 '68

# KICHKALAY RANGE—RUNOFF

Hydrological regime of Bakalok Glacier (Kichkalay Range) V. D. Mikhlin. Trudy Sred. Az. nauch.-issl. gidrometeor. inst. no 27:3-12 '68

# KIDNEY FUNCTION TESTS

Changes in the function of the liver and kidneys in dogs following reoperation of experimental pyelonephritis. Preliminary report. A. A. Seid-Guseinov, G. S. Lipovetskiy, L. M. Sibirskaya. Trudy I-go MIM 49:207-216 '66

Changes in the glycolytic function of the adrenal cortex and electrolyte equilibrium depending on the state of the kidneys during surgical interventions. Z. P. Rudina, I. A. Usatova, G. S. Samoilova. Trudy I-go MIM 43:87-91 '65

Evaluation of the functional state of the kidneys in rats during intoxication with industrial substances. N. I. Shumskaya, N. M. Karamzina. Toks. novopr. khim. veshch. no 8:14-27 '66

Function of the remaining kidney following unilateral nephrectomy with an artery replaced by a homograft. I. A. Nikolayevich, S. A. Gasparian, N. I. Molokanova. Pat. fiziol. i eksp. terap. no 1:67-71 '64

Functional capacity of the kidneys in lupus erythematosus. A. D. Chubiricheva. Vest. dermat. ven. 37 no 3:43-45 '63

Functional state of the kidneys during treatment of burn disease. V. I. Orlov. Sov. med. 29 no 12:57-61 D '66

Vascular disorders of the kidneys following reoperation of extremities under the conditions of acute experiment: preliminary report. B. S. Svachkovskiy, G. S. Lipovetskiy. Trudy I-go MIM 49:217-219 '66

# KIDNEYS

Renin and the function of kidneys. I. U. A. Seidbrovskaya. Pat. fiziol. i eksp. terap. no 3:87-92 '64

Situation of kidneys in athletes. A. G. Mitzenkhamidov. Teor. i prakt. fiz. kul't. 29 no 11:62-64 N '66

Utilization of L-fucose by kidney enzymes. O. M. Kostukovskaya, E. L. Rozenfeld, Blokhinina 27 no 5:912-315 S-O '62

# KIDNEYS—BIOPSY

Transcutaneous puncture biopsy of the kidney in the diagnosis of amyloidosis. D. G. Ravich. Eksp. i klin. anest. 8 no 6:32-34 N-D '63

# KIDNEYS—DISEASES

Amyolytic activity of the blood and urine in some experimental disorders of the renal and pancreatic function. I. U. A. Seidbrovskaya. Pat. fiziol. i eksp. terap. no 3:73-74 '64

Methodology for inducing chronic nephrosonephritis in rats. L. M. Romendik. Pat. fiziol. i eksp. terap. no 3:81-86 '64

Microflora of urine and kidneys in chronic pyelonephritis patients. N. A. Stokotova, K. A. Velykanov. Mikrobiol. zhur. 28 no 6:72-75 '66

Zhukova, M. N., B. V. Klucharev, and V. I. Rozhdvestven'skiy. [Surgical diseases of the kidneys and ureters] Khirurgicheskie zabolevaniya pochek i mochetchnikov. [Leningrad] Meditsina, 1985. 506 p. (DNLN)

# KIDNEYS—SURGERY

Function of the remaining kidney following unilateral nephrectomy with an artery replaced by a homograft. I. A. Nikolayevich, S. A. Gasparian, N. I. Molokanova. Pat. fiziol. i eksp. terap. no 3:87-92 '64

# KIDNEYS—TRANSPLANTATION

Anomalies of renal vessels and kidney transplantation; anatomical study. B. P. Komissarov. Trudy I-go MIM 49:119-124 '66

Basic problems and trends in kidney transplantation. V. P. Petrovskiy. Trudy I-go MIM 42 no 11:3-6 N '66

Clinical morphological studies in homotransplantation of the kidney, with the use of fluorocapography. M. V. Bilenko. N. A. Bykova. Trudy I-go MIM 48:86-96 '66

Clinical morphological study of homotransplanted kidney and lymphoid tissue of the recipient with the use of Soviet azathioprine and prednisolone. M. V. Bilenko. I. A. Gligoleva. Trudy I-go MIM 49:97-110 '66

Comparative evaluation of the methods for coloring the continuity of urine excretory paths in experimental transplantation of the kidney into the pelvis. M. I. Cherkasova. Trudy I-go MIM 48:123-128 '66

Morphological and immunological studies in homotransplantation of the kidney in dogs. N. A. Bykova, V. I. Gavrillo. Trudy I-go MIM 49:69-76 '66

Morphological changes in renal transplant in dogs. N. A. Bykova. Trudy I-go MIM 49:77-85 '66

Some indices of protein-electrolyte equilibrium in homotransplantation of the kidneys in dogs with the use of immunosuppressive chemical preparations. L. M. Saburova, M. V. Bilenko, A. N. Novikova. Trudy I-go MIM 49:111-118 '66

# KIEV—BOOKSTORES

Director of a bookstore. I. Makalich, Knuzh. tovg. 17 no 12:18 D '66

# KIEV—DISABILITY EVALUATION

Invalidity caused by trauma to the locomotor apparatus according to materials of Kiev Medical Expert Commission on Work Ability. Z. V. Krav. Travnatologiya no 1:63-70 '65

# KIEV—DISORDERLY CONDUCT

We must relentlessly carry out this decree. I. Dehtiarov. Rad. pravo 29 no 12:12-11 D '66

# KIEV—FORAGE PLANTS

Dynamics of the carotene and the ascorbic acid contents of the promising forage plants of the wild flora of the Caucasus introduced in Kiev. V. A. Nychitko, G. V. Teplovskaya, S. S. Kharkevich. Rast. res. 2 no 4:491-504 '66

# KIEV—FURNITURE INDUSTRY

Automatic line for processing central doors of closets. A. I. Kipnis. Bum. i der. prom. no 3:7-10 N-S '62

Work practices of the Design and Technological Office. D. L. Naumov. Bum. i der. prom. no 3:52-53 J1-S '62

# KIEV—HIBISCUS

Hybrid hibiscuses in Kiev. L. G. Olanitskaya. Blud. Glav. bot. sadu no 63:23-25 '66

# KIEV—HOSIERY INDUSTRY

Modernization of "Shubert & Saltzer" jacquard cotton machines of the 12 and 45 classes. K. D. Senzuk. Tekh. prom. no 2:13-47 Ap-Je '62

# KIEV—MUSCULOSKELETAL SYSTEM—WOUNDS AND INJURIES

Invalidity caused by trauma to the locomotor apparatus according to materials of Kiev Medical Expert Commission on Work Ability. Z. V. Krav. Travnatologiya no 1:63-70 '65

# KIEV—PESTICIDES—RESEARCH

Institute of the Hygiene and Toxicology of Pesticides. Zashch. rast. 11 no 12:55-56 '66

# KIEV—PRINTING

Beginning of the printing of books in Kiev: the 350th anniversary of the establishment of the first printing plant. M. M. Hamretskiy. Ukr. ist. zhur. 10 no 11:111-142 N '66

# KIEV—SHIPBUILDING

Morning of the chief designer. Leonid Lomazov. Sov. Ukr. 12 no 4:122-132 Ap '62

# KIEV—TELEPHONE—EMPLOYEES

Communist labor, the basis of success. V. I. Osipova. Vest. svyazi 26 no 11:15-17 N '66

# KIEV—TEXTILE FIBERS, SYNTHETIC

Successes of the Kiev Synthetic Fiber Combine during the period 1959-1965. A. Stavtsov. Zhur. VKHO 11 no 6:703 '66

# KIEV—TEXTILE WORKERS

Signs of our "today." V. Bul'kov. Sov. Ukr. 12 no 4:100-103 Ap '62

# KIEV—VIEWS

[Kiev] Kyiv, Derzh. vyd-vo obrazov. i nauch. myslitel'stva i muzych. lit-ry, 1957. 1 v. (chiefly illus.)

# KIEV—WILLOWS

Salix matsudana Koidz. In Kiev. N. F. Minchenko. Blud. Glav. bot. sadu no 63:13-15 '66

# KIEV ECONOMIC REGION—JUNK INDUSTRY

Mechanization of industrial recycling in the twisting shops of the Dnipro-Sik. Combine. M. S. Kozlov. Tekh. prom. no 2:9-11 Ap-Je '66

# KIEV PROVINCE—ACCIDENTS

Characteristics of traumatological service in district hospitals of Kiev Province. T. M. Kovalyova. Travnatologiya no 1:30-36 '65

# KIEV PROVINCE—AGRICULTURAL WORKERS—DISEASES AND HYGIENE

Analysis of industrial traumatism among workers of the state farms in Kiev Province. V. A. Lashchuk. Travnatologiya no 1:90-96 '65

# KIEV PROVINCE—DISORDERLY CONDUCT

Brief news. Rad. pravo 29 no 12:107-109 D '66

# KIEV PROVINCE—INDUSTRIAL ACCIDENTS

Analysis of industrial traumatism among workers of the state farms in Kiev Province. V. A. Lashchuk. Travnatologiya no 1:90-96 '65

# KIEV PROVINCE—MAPS

Kyivskiy derzhavnyi univ. vyd. [Geographical atlas of the Kiev Province of the USSR]. Geograf. Kyivskiy kol. oblast. atlas. Kyiv, 1962. xvi p. 98 l. maps. (NLM)

# KIEV PROVINCE—POLITICS AND GOVERNMENT

Administrative organs of the following ministries. M. S. Kozlov. Rad. pravo 29 no 12:22-24 D '66

# KIEV PROVINCE—RURAL PLANNING

Kodaki builds. I. S. Poldakov. Str. i arkhit. 11 no 11:21 '5 N '66

# KIEV REGION—GOURDS

Cultivation of wax gourds (Benincasa hispida (Thunb.) Cogn.) in the vicinity of Kiev. A. L. Dzyubenko. Ukr. bot. zhur. 10 no 1:85-88 '66

# KIEV HYDROELECTRIC POWER STATION

Launch of the Kiev Hydroelectric Power Station. Energetik. Tekh. otch. 31 no 7:5-8 J1 '61

# KILNS

Knit for rapid drying of cement products. B. L. Lashchuk. Tekh. prom. no 2:56-58 Ap-Je '66

Method for obtaining the final temperature for thermal firing of household porcelain body in rotary furnaces with continuous action. N. I. Vorchinskaya. Tekh. prom. no 2:58 Ap-Je '66

# KILNS—MAINTENANCE AND REPAIR

Overhauling a tunnel kiln in 25 days. N. N. Trebnikov. Stek. i ker. 23 no 12:18-20 D '66

# KILNS, ROTARY

Durability of linings of rotary kilns in 1965. N. V. Hryshchuk. Cement 12 no 6:11-12 N-D '66

Effect of temperature regime of rotary kilns on crystalline structure of clinkers. F. V. Andriyeva, V. V. Lashchuk, D. A. Savchenko. Cement 12 no 6:9-11 N-D '66

# KILNS, ROTARY—DESIGN AND CONSTRUCTION

Improving use of rotary kilns. M. N. Lashchuk, M. S. Kozlov. Cement 12 no 6:17-18 N-D '66

# KINDERGARTEN

An indifferent person is not a companion for the road. I. Gorodetskaya. Doshk. vosp. 30 no 12:21-26 D '66

Organizing the children's activity during their games. M. Iyritskaya. Doshk. vosp. 30 no 12:11-13 D '66

Planning and recording the educational work. Doshk. vosp. 30 no 12:32-34 D '66

# KINDERGARTEN TEACHERS

The country appreciates the work of teachers. Doshk. vosp. 30 no 12:9-11 D '66

"Help us to find the truth" (conclusion). I. Davidov. Doshk. vosp. 30 no 12:94-101 D '66

What is the secret of her achievements? S. Khelits. Doshk. vosp. 30 no 12:14-15 D '66

# KINDERGARTENS

Bartenev, I. A. [Kindergartens, schools] Detsk. sady, shkoly. Leningrad, Khudozhnik RSFSR, 1985. 63 p. (Deti i okruzhayushchaya sreda)

The 40th anniversary of a kindergarten. I. Motovinskaya. Doshk. vosp. 30 no 12:87-88 D '66

# KINDERGARTENS—DESIGN AND CONSTRUCTION

Consolidated and unified buildings for kindergartens and nurseries. R. Smolenskaya. Arkhit. SSSR no 12:41-46 '66



# KIRGHIZISTAN—FURNITURE, EQUIPMENT, ETC.

Among the best results of a review Doshk vosp 30 no.12, 83-86 D '66

The assistant manager and the organization and management of kindergartens. Doshk vosp 30 no.12 35-36 D '66

## KINEMATICS

Acoustic kinematics of beam pumping units K S. Atvet - dzade. I K Kornev Azerb neft kho. 45 no.9-11-43 S '66

## KINGSEPP (LENINGRAD PROVINCE) CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Combine will be constructed ahead of time. V. Belov, R Pylov. Na stol Ros. 4 no.105-7 O '63.

## KIPRENSKI, OREST ADAMOVICH, 1782-1836

Chizhikova, E.N. Orest Adamovich Kiprenskii. [Leningrad, Khudozhnik RSFSR, 1965] 19 p. (Nayodnala biblioteka po iskusstvu) (MH)

## KIRGHIZISTAN—AGRICULTURAL MACHINERY

Hyadin, V.I., L.N. Gligor'ev, and M.A. Orel. [New machines on the fields of Kirghizistan] Novyye mashiny na polakh Kirgizii. [Tokmak] "Kyrgyzstan," 1965 74 p. (DNL)

## KIRGHIZISTAN—AGRICULTURAL WAGES

Some problems of improving wages on the state farms of Kirghizistan. G. Ferey. Trudy Ekon.fak.Kir.gos.un. no.1105-116 '61.

## KIRGHIZISTAN—AGRICULTURE

Max out fields yield good crops. T. Orozbekov. Agitator 34 no.136-38 Ja '67.

## KIRGHIZISTAN—AGRICULTURE—ECONOMIC ASPECTS

Development of capitalist relations in the agriculture of Kirghizistan at the end of the 19th and the beginning of the 20th century. S. Alukurov. Trudy L'kon.fak.Kir.gos.un. no.1178-194 '61.

## KIRGHIZISTAN—AGRICULTURE—FINANCE

Method for determining the economic efficiency of capital investments in agriculture. Sk Musakurov. Trudy Ekon.fak.Kir.gos.un. no.1137-149 '64.

## KIRGHIZISTAN—BUILDING MATERIALS INDUSTRY—FINANCE

Potentialities of the profitability of the building materials industry of Kirghizistan. B. Valishev. Trudy Ekon.fak.Kir.gos.un. no.1154-61 '64

## KIRGHIZISTAN—CIVIL LAW

Kirghiz S.S.R. Laws, statutes, etc. [Civil code of the Kirghiz S.S.R.] Grazhdanskii kodeks Kirgizskoe SSR Frunze, "Kyrgyzstan," 1964 460 p. [In Kirghiz and Russian]

## KIRGHIZISTAN—CIVIL PROCEDURE

Kirghiz S.S.R. Laws, statutes, etc. [Civil procedure code of the Kirghiz S.S.R.] Grazhdanskii protsessual'nyy kodeks Kirgizskoi SSR. Frunze, 1964. 425 p. [In Kirghiz and Russian]

## KIRGHIZISTAN—COLLECTIVE FARMS

Role of finance in merging of the two forms of socialist property. E. Danielian. Trudy Ekon.fak.Kir.gos.un. no.1146-154 '64.

## KIRGHIZISTAN—COLLECTIVE FARMS—INCOME DISTRIBUTION

On the problem of the further improvement of distributive relations on collective farms. A. Goucharov. Trudy Ekon.fak.Kir.gos.un. no.1126-130 '64.

## KIRGHIZISTAN—CRUSHED STONE INDUSTRY

Present-day condition and prospects for developing the production of rock, gravel and sand building materials in Kirghizistan. P. Savranchuk. Trudy Ekon.fak.Kir.gos.un. no.1145-53 '64.

## KIRGHIZISTAN—ECONOMIC POLICY

On the problem of the economic development of the Kirghiz S.S.R. P. Alpaevskii. Trudy Ekon.fak.Kir.gos.un. no.113-9 '64.

## KIRGHIZISTAN—EDUCATION—STUDY AND TEACHING

Checheibaev, Surakmat. [Pedagogical education in the Kirghiz S.S.R., 1955-1964] Pedagogicheskie obazovaniye v Kirgizskoi SSR (1955-1964 gg.). Pod red. K.K. Karakeeva. [n.p., Mektep, 1965] 134 p.

## KIRGHIZISTAN—ELECTRIC EQUIPMENT INDUSTRY

Developing the electric equipment industry of Kirghizistan. A. Sagynaliev. Trudy Ekon.fak.Kir.gos.un. no.117-21 '64.

## KIRGHIZISTAN—ELECTRIFICATION

Prospects for developing electric power production in the Kirghiz S.S.R. V. Cherepkov. Trudy Ekon.fak.Kir.gos.un. no.1135-44 '64.

## KIRGHIZISTAN—FASTENINGS

Specializing the production of metal products in industry. S. Isamov. Trudy Ekon.fak.Kir.gos.un. no.1110-18 '64.

## KIRGHIZISTAN—FERTILIZERS AND MANURES

Economic efficiency of using fertilizers in Kirghizistan conditions. G. Fedukhin. Trudy Ekon.fak.Kir.gos.un. no.1117-127 '61

## KIRGHIZISTAN—FIELD MICE

Ecology and injuriousness of *Microtus talpinus* Pall. in fields and pastures of Kirghizii. E. S. Stasimura. Uch.zap.L'kon.fak.Kir.gos.un. no.2 3-64 '63

## KIRGHIZISTAN—LAND

Soil characteristics of mountain regions from viewpoint of agricultural land improvement as basis of measures for efficient use of farmlands. D. I. A. Mikhailov. Izv.Kir.fil.Vses.ob-va pochv. no.2, 77-81 '63.

## KIRGHIZISTAN—NATURAL RESOURCES

Isaev, Akybai, and M. M. Kartavov. [Natural resources of Kirghizistan in the service of the building up of the material and technical basis of communism] Prirodnye resursy Kirgizii na sluzhbu sozdaniya material'no-tekhnicheskoi bazy kommunizma. Frunze, "Kyrgyzstan," 1965. 80 p.

## KIRGHIZISTAN—PARATYPHOID FEVER—MICROBIOLOGY

Phage typing of paratyphoid bacteria isolated in Kirghizii. A. P. Bestuzheva. Zhur.mikrobiol.epid.i immun. 43 no.11 147 N '66

## KIRGHIZISTAN—PASTURES AND MEADOWS

Change in botanical forms of mountain tall-grass meadows under the effect of herbicides. F. V. Chernogubov. Agrokhimii. no.12 105-109 D '66.

## KIRGHIZISTAN—POLITICS AND GOVERNMENT

Nurbekov, Kubanychbek. [Establishment of the Kirghiz Soviet National State] Vozniknovenie Kirgizskoi Sovetskoi natsional'noi gosudarstvennosti. Frunze, Kyrgyzstan, 1964. 148 p.

## KIRGHIZISTAN—POPULATION

Balbulatov, B.B. [Struggle of the Kirghiz party organization for carrying out the settlement of the nomadic population] Bor'ba partorganizatsii Kirgizii za provedenie osedlaniya kočevogo naseleniya. Frunze, "Kyrgyzstan," 1965. 223 p.

## KIRGHIZISTAN—REVOLUTION, 1917-1921

Inshtit istorii partii, Frunze. [For the role of the soviets; collection of reminiscences] Za vinst' Sovetov; sbornik vospominanii. Frunze, "Kyrgyzstan," 1966. 289 p.

## KIRGHIZISTAN—SAND AND GRAVEL INDUSTRY

Present-day condition and prospects for developing the production of rock, gravel and sand building materials in Kirghizistan. P. Savranchuk. Trudy Ekon.fak.Kir.gos.un. no.1145-51 '64.

## KIRGHIZISTAN—SOCIALIST PROPERTY

Role of finance in merging of the two forms of socialist property. E. Danielian. Trudy Ekon.fak.Kir.gos.un. no.1146-154 '64.

## KIRGHIZISTAN—SOIL CONSERVATION

Erosion in fields of row crop cultivation in Kirghizistan. D. I. A. Mikhailov. Izv.Kir.fil.Vses.ob-va pochv. no.2: 71-75 '63.

Soil erosion in Kirghizistan. A. Dzhamalbaev. D. I. A. Mikhailov. Izv.Kir.fil.Vses.ob-va pochv. no.2: 63-69 '63.

## KIRGHIZISTAN—SOIL SCIENCE

Some results of studying and prospects for development of soil science in our republic. V. A. Makasenko. Izv.Kir.fil.Vses.ob-va pochv. no.2: 7-11 '63.

## KIRGHIZISTAN—SOILS—MAPS

Soil map of Kirghizistan as example of mapping and zoning mountain regions. A. M. Mamayov. G. I. Roichenko. Izv.Kir.fil.Vses.ob-va pochv. no.2: 18-18 '63

Work results of large scale mapping of soils on collective and state farms in Kirghizistan. F. A. Popov. Izv.Kir.fil.Vses.ob-va pochv. no.2: 25-29 '63.

## KIRGHIZISTAN—STATE FARMS

Role of state farms in developing socialist agriculture and improving production relations in the village. S. Lapukhov. Trudy Ekon.fak.Kir.gos.un. no.1194-104 '64.

## KIRGHIZISTAN—STRIP MINING—MANAGEMENT

New flow sheet for blasting at "Baurdinskii" Open-Pit Mine. Flow sheet of blasting a peripheral cut is based on following assumptions. I. A. M. Dodis. Gor.zhur. no.11: 76 N '60.

## KIRGHIZISTAN—SUGAR BEETS—FERTILIZERS AND MANURES

Organization of control of root nutrition of sugar beets. I. A. P. Dobovik. Izv.Kir.fil.Vses.ob-va pochv. no.2: 63-68 '63.

## KIRGHIZISTAN—SUGAR INDUSTRY—INDUSTRIAL CAPACITY

Efficient use of the productive capacity is an important potentiality of the industry, as exemplified by the sugar industry. R. Usmanov. Trudy L'kon.fak.Kir.gos.un. no.1 68-74 '64

## KIRGHIZISTAN—VERTEBRATES, FOSSIL

New faunal locality of vertebrates on Andark River (Kirghizian). L. M. Kichanov. Paleont. zhur. no.1: 101-103 '66

## KIRGHIZISTAN—WORLD WAR, 1939-1945

Institut istorii partii, Frunze. [Kirghizistan during the Great Patriotic War, 1941-1945, collection of documents and materials] Kirgizii v gody Velikoi Otechestvennoi volny, 1941-1945 gg., sbornik dokumentov i materialov. Frunze, "Kyrgyzstan," 1965. 581 p.

## KIRESHI (LENINGRAD PROVINCE)—PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Using the experience of preceding construction projects. V. Khitrov. Na stol Ros. 4 no.10 7 O '63.

## KIRILL TUROVSKII

Oratorical art of Kirill Turovskii. I. P. Chernin. Trudy ODA L. 18: 50-58 '62.

## KIROV—THEATER

Politeness from Kirov. IU. Rybnkov. Teatr 24 no.7: 50-52 Ji '63.

## KIROV PROVINCE—HISTORY

Unknown copy of the tale "On the Byatka country," 1725. N. A. Malevanov. Trudy ODRI 18: 370-373 '62.

## KIROV PROVINCE—SOCIAL GROUP WORK

Duties of fathers. B. Petukhov. Agitator 31 no.24: 28-31 D '66

## KIROV PROVINCE—SPEECH CLINICS

Organizing the logopedic care of the population within the framework of one province; based on the material of Kirov Province. V. I. Selivanov. Uch.zap.MGPI no.219 5-32 '61.

## KIROV, SERGEI MIRONOVICH, 1886-1934

An impassionate tribute of the revolution, on the 75th anniversary of S. M. Kirov's birth. A. M. Pankov. Mol.komm. no.3 79-87 Mi '61.

## KIROVOGRAD PROVINCE—SOCIAL GROUP WORK

Festivals of friendship. A. Vedenev. Agitator 34 no.24: 27 D '66.

## KIROVOKAN—INDUSTRIAL MANAGEMENT

Material incentive and labor productivity. V. Akimov. Prom.Aim. 9 no.10 8-9 '66

## KISHINEV—FLOUR MILLS

Fulfillment of socialist obligations assumed to honor the 50th anniversary of the October Revolution. K. Vinnik. Muk.celebr.prom. 32 no.11 7 N '66

## KISHINEV—INDUSTRIAL WASTES

Effect of industrial wastes and sewage of Kishinev on hydrochemical regimen of Byk River. S. E. Byzgu, I. I. Kozhuhari, G. G. Gorbatenkil. Biol.res.vod.Mold no.4 3-14 '66.

KISHINEV—WORMS, INTESTINAL AND PARASITIC  
Study of helminths of carnivores and rodents in Kishinev. V. A. Sincl'shtnikov. Paraz.zhiv.i razv. no.1: 61-61 '65.

## KITKHOY VALLEY—THERMAL WATERS

Temperature fluctuations of water of the Kitkhoz thermal mineral springs. V. E. Dilanian. IU I Kharchenko. Vop.geog.Kamch. no.3 125 '65

## KIZEL BASIN—COAL GEOLOGY

Expansion of the cone of influence in karst carbonate rocks. V. F. Kovalev, IU. A. Ezhov. Izv.vys.ucheb.zav.gor.zhur. 6 no.6: 3-7 '63.

## KIZEL BASIN—COAL MINES AND MINING

Mine in the name of Lenin. L. Konopleva. Sov.shakht. 12 no.4: 5 Ap '63.

## KIZEL BASIN—HYDRAULIC CONVEYING

Experiments for determining the most advantageous parameters of hydraulic transportation of Kizel coal. L. A. Arkhipova. Izv.vys.ucheb.zav.gor.zhur. 6 no.5: 110-128 '63.

## KIZIL KUM see Kyzyl Kum

## KLEMIN, IVAN ALEKSANDROVICH, 1888-7-1088

Ivan Alekseevich Kleminskii obitaniy. Vest.Mosk.un. Ser.5: Geog. 21 no.6: 118 N-D '66.

## KLEBSIELLA—CULTURES AND CULTURE MEDIA

Formation of spherical shapes in capsule bacteria. S. I. Lukuleva, I. M. Gavrilychev. Dokl.AN.BSSR 10 no.12: 985-986 D '66.

**KLYSTRONS**  
Role of transverse bunching in klystron with extensive  
electron stream A. V. Shaposhnikov Izv. vuz. radiofiz.  
zar., radiofiz. 9 no. 6:1175-1184 '66

**KLYSTRONS—NOISE**  
Dependence of amplitude and frequency noises of a  
rectifier klystron on its operating mode V. A. Kozlov  
Radiotekhnika i elektronika 11 no. 11:2040-2042 N '66

**KLYUCHEVSKIY VOLCANO**  
The Cosack tale of 1707 on the Kamchatka geyser and  
Klyuchevskiy Volcano B. P. Polevoi Vop. geog.  
Kamch. no. 3:114-122 '65  
Some recent data on the structure of the dome and crater  
of Klyuchevskiy Volcano V. A. Eizinkov, S. M. Trubnikov  
Vop. geog. Kamch. no. 3:50-63 '65

**KNEE—DISEASES**  
Pathogenesis and treatment of acute traumatic serious  
synovitis of the knee V. V. Zhiritskiy Travnatologiya  
no. 1:215-220 '65

**KNEE—RADIOGRAPHY**  
Pneumography of the knee joint in patients with infectious  
nonspecific polyarthritides V. P. Pavlov Sov. med. 26  
no. 3:110-114 Zh. '63

**KNEE—SURGERY**  
Lesion of the lateral ligaments of the knee joint and  
their treatment B. V. Bogachevskiy Travnatologiya  
no. 1:207-214 '65

**KNEE—TUBERCULOSIS**  
Effect of the disorder of blood circulation on the nature  
of the development of tubercular gonitis in an experi-  
ment T. D. Gribitskiy Dokl. AN SSSR 18 no. 4:77-  
80 '62

**KNIT GOODS**  
Knit goods of 1967 I. I. Volman Tekst. prom. 26 no. 12  
13-16 D '66  
Shrinkage reducing finish of knit fabrics Z. N. Shishkova  
Tekst. prom. 26 no. 12:46-49 D '66

**KNIT GOODS INDUSTRY**  
Data mining the optimal parameters of capron knit-base  
cloth M. A. Alekseyeva Izv. vuz. ucheb. zav. tekhn. i  
prom. no. 5:127-134 '66

**KNIT GOODS INDUSTRY—EQUIPMENT AND SUPPLIES**  
Garbaruk, V. N. [Mechanization and automation of pro-  
cesses in the knit goods industry; textbook for students  
of the advanced training faculty] Mekhanizatsiya i avto-  
matizatsiya professov trichkolazhnogo proizvodstva,  
uchebnoe posobie dlia slushatelei fakul'teta usovershen-  
stvovaniia. Moskva, Leghala Industriia, 1966, 65 p.  
[MICROFILM]

**KNITTING MACHINES**  
Concerning A. N. Gontarenko's article "Interaction of  
knitting needles with the card clothing of the sewing  
drum of a circular knitting machine for artificial fur"  
I. V. Kisliuk Tekst. prom. 26 no. 12:37-38 D '66  
Mechanized flat rib knitting machine with an attachment  
for simultaneous knitting of two sports caps. B. A.  
Kunis, N. V. Miroshnyk, Leh. prom. no. 2:47-48  
Ap-Je '62  
Modernization of "Shimbel" and "Saltzei" jacquard cotton ma-  
chines of the 42 and 45 classes. K. D. Sanzhuk Leh.  
prom. no. 2:43-47 Ap-Je '62  
Use of type MPM-1 machines for knitting the body of  
gloves and mittens. V. V. Prykhno, Leh. prom. no. 2:  
46-50 Ap-Je '62

**KNITTING MACHINES—EXHIBITIONS** see subdivision  
under Great Britain

**KNOWLEDGE, THEORY OF**  
Characteristic features of intuition as an element of  
knowing. I. K. Rodionova Vest. Mosk. un. Ser. 8: Filos.  
21 no. 3:54-63 My-Ja '66  
Gnosological study of theory. L. T. Ugryencov Vest.  
Mosk. un. Ser. 8: Filos. 21 no. 5:42-48 S-O '66  
Lenin's criticism of idealistic gnosology. G. Kutsanov,  
Kommunist 13 no. 18:79-89 D '66  
The question of interrelation between scientific cognition  
and learning. S. A. Shaporinskiy, Sov. pedagog. 30  
no. 12:43-52 D '66

**KOBYLEN, ALEKSANDR IVANOVICH, 1902**  
Professor Aleksandr Ivanovich Kobylin. I. A. Kaganetskiy,  
M. L. Filakhov Izv. vuz. ucheb. zav. i serof. no. 3:145-147 '62

**KOBYSTAN—BITUMEN**  
Recent data on the nature of the occurrence of bitumen  
in the Cretaceous sediments of northern Kobystan.  
A. A. Ali-Zade, G. A. Akhmedov, E. A. Dzhidbekova.  
Azerb. neft. khoz. 42 no. 3:1-3 Mir '63

**KOCHETOV, VSEVOLOD, ANISIMOVICH, 1912-**  
Velengurin, N. F. [Literary portraits] Literaturnye por-  
trety. [Krasnodar] Krasnodarskoe knizhnoe izd-vo,  
1966, 340 p.

**KOKCHETAV REGION—ORE DEPOSITS**  
Presence of metals in the ancient quartzite strata of the  
Kokchetav anticlinorium M. S. Danilov and others,  
Vost. AN Kazakh SSR 19 no. 1:68-70 Ja '63

**KOLA PENINSULA—GEOLOGY, STRUCTURAL**  
Studying elastic properties of rocks from Pechenga  
region of Kola Peninsula, under high pressures, in  
connection with its structure in depth N. E. Gaidin,  
Trudy Inst. fiz. Zem. no. 37:68-97 '66

**KOLA PENINSULA—GNEISS**  
Relict features of effusive and intrusive rocks in the  
orthogneisses and amphibole gneisses of the Kola  
series (with the exception of the Kola Peninsula). P. K.  
Stupin Trudy VGU 63:60-69 '65  
Relict features of primary sediments in the paragneisses  
of the Kola series in the northwestern part of the Kola  
Peninsula P. K. Stupin, Trudy VGU 63:97-106 '65

**KOLA PENINSULA—ROCKS, CRYSTALLINE AND  
METAMORPHIC—TESTING**  
Effect of high pressures on longitudinal wave velocities  
in gneiss and crystalline schist of the northwestern  
part of Kola Peninsula N. E. Gaidin Trudy Inst. fiz.  
Zem. no. 37:99-117 '66

**KOLA PENINSULA—ROCKS, IGNEOUS—ELECTRIC  
PROPERTIES**  
Electric conductivity of eruptive rocks of the Kola Pen-  
insula at high temperatures A. T. Bondarenko Trudy  
Inst. fiz. Zem. no. 37:102-109 '66  
Studying frequency dependence of electric properties of  
Kola Peninsula eruptive rocks M. P. Volozovich,  
A. T. Bondarenko Trudy Inst. fiz. Zem. no. 37:206-  
220 '66

**KOLAR REGION, INDIA—ORE DEPOSITS**  
Gold ore deposit of Kolar, southern India, state of  
Mysore L. S. Borikov Grol. iud. mest. v. 11, 8  
no. 6:9-15 N-D '65

**KOLAS, LAKUB, pseud. see Milskevich, Konstantin  
Mikhailovich, 1882-1956**

**KOLKHOZES** see Collective farms

**KOLKHIDA LOWLAND—CLOVER**  
Clover Trifolium apertum in the Kolkhida Lowland.  
N. V. Sedushkina Sbor. trud. asp. i mol. nauch. sot.  
VIR no. 2:169-176 '61  
Some biological characteristics of berseem. N. V.  
Sedushkina, Sbor. trud. asp. i mol. nauch. sot. VIR  
no. 2:176-181 '61

**KOLKHIDA LOWLAND—PLANT INTRODUCTION**  
Some biological characteristics of berseem N. V.  
Sedushkina Sbor. trud. asp. i mol. nauch. sot. VIR  
no. 2:176-181 '61

**KOLKHIDA LOWLAND—RECLAMATION OF LAND**  
Power supply for reclaiming new areas in the Kolkhida  
Lowland G. V. Kvishnadze Sbornik kult. no. 3:  
145-146 '66

**KOLOMNA—ARCHITECTURE**  
Feklin, M. V. Kolomna. 2. izd., dop. Moskva, Stro-  
izdat, 1966, 147 p. (Arkhitektura gorodov SSSR)

**KOLOMNA—MACHINE-TOOL INDUSTRY WORKERS—  
EDUCATION AND TRAINING**  
Youth came to the plant M. Buchkin Sov. profsoyuz  
22 no. 23:23 D '66

**KOMI A. S. S. R.—OAS, NATURAL—GEOLOGY**  
Outlook for finding oil and gas and tasks of oil and gas  
prospecting in southwestern regions of Komí A. S. S. R.  
A. V. Ivanov, D. A. Saar Geol. neft. i gaza 10 no. 11:7-  
9 N '66

**KOMI A. S. S. R.—PETROLEUM GEOLOGY**  
Outlook for finding oil and gas and tasks of oil and gas  
prospecting in southwestern regions of Komí A. S. S. R.  
A. V. Ivanov, D. A. Saar Geol. neft. i gaza 10 no. 11:7-  
9 N '66

**KOMI A. S. S. R.—THEATER**  
Uncorrigible merry fellow. A. Mikoshev. Teatr 24  
no. 7:53-54 Ji '63.

**KOMI A. S. S. R.—TRICHINA AND TRICHINOSIS**  
Outbreak of trichinosis in the Komí A. S. S. R. V. A.  
Golovko. Med. parazit. i parazit. bol. 32 no. 2:227 Mr-  
Ap '63.

**KOMI A. S. S. R.—REVOLUTIONISTS**  
Rasin, B. I. [A prison without gates] Tur'ma bez reshe-  
tok. [Syktyvkar] Komí knizhnoe izd-vo, 1966, 150 p.

**KOMINTERNOVSKOYE DISTRICT—FARMS—VALUATION**  
Evaluation of land in a district. M. Milner, Zemlede-  
lie 28 no. 12:67-59 D '66.

**KOMI-PERMYAK NATIONAL AREA—MINES AND  
MINERAL RESOURCES**  
Minerals of Komí-Permyak National Area P. V. Ivanov,  
D. A. Luninikov Nauch. trudy Perm. politekh. inst.  
no. 12:115-125 pt. 1 '62

**KOMMUNARKA (LUGANSK PROVINCE)—COAL  
PREPARATION PLANTS**  
Introduction of a new reagent in the coal preparation  
plant of the Kommunarskaya Coal and Coal Chemicals  
Plant. M. I. Bel'chikov, G. A. Mamchik, Kuzn.  
khim. no. 6:8-10 '62.

**KON', FEDOR SAVEL'EVICH**  
Some new data on the biography of F. S. Kon', V. N.  
Pishchepenko Sov. khim. 10 no. 1:207-210 '66

**KONDON (KHABAROVSK TERRITORY)—GOLDS**  
The old and the new in the life of Kondon Nantayev.  
V. A. Timokhin Izv. SO AN SSSR no. 9 Ser. obshch. i.  
nauk. no. 3:126-131 '66.

**KONIGSBERG, BATTLE OF, 1045**  
[Assault on Königsberg] Shturm Königsberga. [Kalinin-  
grad] Kaliningradskoe knizhnoe izd-vo, 1966, 253 p.

**KONOVALOV, IULII VENIAMINOVICH, 1896-**  
Iulii Veniaminovich Konovalev on his 70th birthday.  
Zhizn. i del. 66 no. 12:1879 '66.

**KOPETDAG—GEOLOGY, STRATIGRAPHIC**  
Presence of the Apscheron stage in the western Kopetdag.  
M. K. Mirzakhanov, Izv. AN Turk. SSR Ser. fiz.-tekhn.  
i khim. i geol. nauk. no. 6:57-62 '62.  
Sediments of Bakú and Apscheron stages in the Uzel'dag  
and Zirkik. M. K. Mirzakhanov Izv. AN Turk. SSR.  
Ser. fiz.-tekhn. i khim. i geol. nauk. no. 4:116-119 '62  
Stratigraphy of bordering layers of Palaeocene and Eocene  
in the eastern Kopetdag. S. P. Valbe, V. V. Dzhambazov,  
Izv. AN Turk. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk.  
no. 2:110-113 '61.

**KOPETDAG—MOLLUSKS, FOSSIL**  
Bivalve mollusks from the Upper Cretaceous in the  
central Kopetdag. M. M. Aliev, P. A. Aliev, Izv.  
AN Turk. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk. no. 2:  
75-86 '61.  
Emigration direction of the stenohaline Konka fauna.  
M. M. Aliev, Izv. AN Turk. SSR, Ser. fiz.-tekhn. i khim.  
i geol. nauk. no. 2:123 '61.

**KOPETDAG—PALEONTOLOGY**  
Emigration direction of the stenohaline Konka fauna.  
M. M. Aliev, Izv. AN Turk. SSR, Ser. fiz.-tekhn. i khim.  
i geol. nauk. no. 2:123 '61.

**KOREAN LANGUAGE—DICTIONARIES—RUSSIAN**  
Nikol'skiy, L. B., ed. [Korean-Russian military dictio-  
nary. Approximately 20,000 terms] Koreisko-russkii  
voennyi slovar'. Okolo 20 000 toimlov, Moskva,  
Voenizdat, 1966, 281 p.

**KORELICH DISTRICT—COOPERATIVE SOCIETIES—  
FINANCE**  
Careful use of funds I. Tishkov. Sov. potreb. koop. 10  
no. 12:31-36 D '66

**KOREN, VASILII**  
Portrait of the sun in the gravure by Vasilii Koren, the  
derivation of this portrait from A. Dux and its  
influence on V. Malakovskiy. D. M. Moldavskiy, Trudy  
ODRL 22:147-149 '66.

**KOSHEKIBAL DISTRICT—IRRIGATION FARMING**  
With our own resources. V. I. Belokhonov. Zemledelie  
28 no. 10:27-29 O '66

**KOSTROMA PROVINCE—SOCIOLOGY, URBAN**  
Qualitative evaluation of living conditions of the popula-  
tion of small towns B. S. Khorev Vest. Mosk. un. Ser. 5:  
Geog. 21 no. 6:52-55 N-D '66

**KOTLAS (ARCHANGEL PROVINCE)—CARGO HANDLING**  
Combined waterway and railroad transportation of coal  
through the port of Kotlas. V. Chikurin, Rechn. transp.  
25 no. 12:50 '66.

**KOTLAS (ARCHANGEL PROVINCE)—WOODPULP IN-  
DUSTRY**  
Our experience in the training of specialists. A. S. Shu-  
chenko. Bunn. prom. 37 no. 4:17-19 Ap '62

**KOTSIBYNS'KIY IURII MYKHAILOVICH, 1895-1937**  
A pioneer of Soviet Ukrainian diplomacy: the 76th anni-  
versary of I. U. Kotsibynskiy's birth. A. D. Iai-  
shenko, Ukr. ist. zhur. 10 no. 12:127-128 D '66.

**KOTSIBYNS'KIY, M.**  
Masal'skiy, V. I. [The language and style of the works  
of M. Kotsibynskiy] Mova i styl' tvoriv M. Kotsibyns'-  
koho, Kyiv, Radians'ka shkola, 1965, 123 p.  
(CAOTU)

**KOVDA RIVER—HYDROELECTRIC POWER STATIONS**  
Series of hydroelectric power stations on the Kovda River.  
S. G. Tsesarskiy, Gidr. stroit. 33 no. 7:1-2 Ji '63

**KRASHENINNIKOV, STEPAN PETROVICH, 1713-1755**  
Akademik nauk SSSR. Sibirskoe otdelenie. [S. P. Kra-  
sheninikov in Siberia; unpublished materials] S. P. Kra-  
sheninikov v Sibiri; neopublikovannye materialy. Pod-  
golovka teksta i vstup. slova N. N. Stepanova. Moskva,  
Nauka, 1966, 239 p.

**KRASIL'NIKOV, PAVEL ALEKSANDROVICH, 1903-1966**  
Pavel Aleksandrovich Krasil'nikov, obituary. Arkhiv. SSSR no. 12-63 '66.

Pavel Aleksandrovich Krasil'nikov; obituary. Zhil. stol. no. 12-31 '66

#### KRASNOBORSK DISTRICT—MANUSCRIPTS

Report on the archival expedition to the Krasnoborsk District, Archangel Province and the city of Izhma, Vologda Province in 1960. A. M. Panchenko. Trudy ODR 18-426-131 '62

#### KRASNODAR—ATHEISM

From the editor's mail. Agitator no. 2-55-50 Ja '62

#### KRASNODAR—HOTELS, TAVERNS, ETC.—DESIGN AND CONSTRUCTION

Hotel "Kavkaz" in Krasnodar. N. Sukhanovskaya. Arkhiv. SSSR no. 7-52 '66

#### KRASNODAR—INDUSTRIAL MANAGEMENT

Achievements and plans of an assistance committee. A. Zvada. Agitator no. 2-44-36 Ja '62

#### KRASNODAR TERRITORY—AGRICULTURE

Use natural gas more widely. G. Barakin. Ekon. sel'khoz. 42 no. 11-71-73 N '66.

#### KRASNODAR TERRITORY—BRUCELLOSIS

Epidemiology of brucellosis in Krasnodar Territory. F. V. Stukhanova and others. Trudy Gos. nauch. tsentr. p. otv. uch. inst. 15-127-132 '59

#### KRASNODAR TERRITORY—CONDENSATE OIL WELLS

Study of water condensates in wells of gas condensate fields in Krasnodar Territory. K. S. Zarembo and others. Gaz. prom. 11 no. 11-10-12 '66

#### KRASNODAR TERRITORY—DISTILLING INDUSTRIES

Experience in the processing of sugar beets in the distilleries of the Krasnodar Economic Council. A. V. Petkov. Spil. prom. 20 no. 1-11-34 '62.

#### KRASNODAR TERRITORY—DRAINAGE

Planning melioration operations. I. Romanov, N. Darskov. Zemledelie 26 no. 10-25-27 O '66

#### KRASNODAR TERRITORY—FIELD CROPS

Fundamental principle of large crops. N. Sorada. Zemledelie 28 no. 11-34-35 N '66

#### KRASNODAR TERRITORY—FINANCE

Financial organs of Krasnodar Territory under the new conditions. G. Timoshievskii. Fin. SSSR 10 no. 11: 65-69 N '66.

#### KRASNODAR TERRITORY—GAS, NATURAL

Use natural gas more widely. G. Barakin. Ekon. sel'khoz. 42 no. 11-71-73 N '66.

#### KRASNODAR TERRITORY—GRAPES—VARIETIES

The "Pobeda" grape variety in the eastern zone of Krasnodar Territory. N. I. Rakhova. Sbor. trud. asp. i mol. nauch. sotr. VII no. 2-260-283 '61

#### KRASNODAR TERRITORY—LAND

Total use of basic wealth. V. Denisenko, P. Sologub. Zemledelie 28 no. 11-52-53 N '66

#### KRASNODAR TERRITORY—OIL WELLS—MAINTENANCE AND REPAIR

They are using "bakinols" unit for repair work. V. Belyi. Nefitank 11 no. 11-26-27 N '60.

#### KRASNOYARSK—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

More on the unfinished work in housing construction. V. Chushnikov. Ekon. stroit. 8 no. 12-29-31 D '66.

#### KRASNOYARSK—PRECAST CONCRETE CONSTRUCTION

More on the unfinished work in housing construction. V. Chushnikov. Ekon. stroit. 8 no. 12-29-31 D '66.

#### KRASNOYARSK ECONOMIC REGION—WOOD-USING INDUSTRIES—COSTS

Some potentials for lowering the costs of production in the hydroelectric plants of the Krasnoyarsk Economic Council. I. I. Bakshiev, A. G. Nesterov, S. P. Berazhinov. Gidrotekhn. i lesokhim. prom. 15 no. 1-28-29 '62

#### KRASNOYARSK HYDROELECTRIC POWER STATION—DAMS

Importance of geological and structural studies as the basis for the plans of the high-pressure dams from the viewpoint of engineering geology as revealed by a study in the Krasnoyarsk Hydroelectric Power Station. V. S. Fedotenko. Izv. vys. ucheb. zav. geol. i izm. 6 no. 6 103-113 Ja '63.

#### KRASNOYARSK TERRITORY—HOURS OF LABOR

Efficient workweek schedules in industry. N. V. Grigor'ev. Izv. SO AN SSSR no. 8, Ser. obshchestv. nauk no. 3, 9-14 '66.

#### KRASNOYARSK TERRITORY—LABOR AND LABORING CLASSES—EDUCATION

Scientific labor organization and improving the cultural and technical level of industrial workers. A. G. Pospelov. SO AN SSSR no. 8, Ser. obshchestv. nauk no. 3 44-47 '66

#### KRASNOYARSK TERRITORY—MOTHERS—EMPLOYMENT

Part-time workday for mothers. L. D. Skuridina. Izv. SO AN SSSR no. 8, Ser. obshchestv. nauk no. 3 19-21 '66.

#### KRASNOYARSK TERRITORY—WAGES—BORING

The piecework wage system in prospecting. G. Iakovlev. Sotrud. 11 no. 12-124-125 D '66.

#### KRASNOYARSK TERRITORY—WOMEN—EMPLOYMENT

Conditions for improving the cultural and technical level of the working woman. N. A. Bakshova. Izv. SO AN SSSR no. 8, Ser. obshchestv. nauk no. 3 61-63 '66

KRESOL see Cresol

#### KRIVOY ROG—CONVERTERS

Experience in building oxygen-blown converter plant. V. K. Gud' V. I. Lepikhov, L. L. Parygin. Prom. stroit. 44 no. 11-1-7 '66

#### KRIVOY ROG—EFFICIENCY, INDUSTRIAL

The man of tomorrow is born today. B. Zhuk, L. Kagan. Agitator no. 2-14-17 Ja '62

#### KRIVOY ROG—INGOT MOLDS—MAINTENANCE AND REPAIR

Experience in reconditioning ingot molds at the Krivoy Rog Metallurgical Plant. I. A. Giatkii and others. Stal' 26 no. 12-1097-1099 D '66

#### KRIVOY ROG—IRON AND STEEL PLANTS—DESIGN AND CONSTRUCTION

Experience in building oxygen-blown converter plant. V. K. Gud' V. I. Lepikhov, L. L. Parygin. Prom. stroit. 44 no. 11-1-7 '66.

#### KRIVOY ROG—IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Operational improvement of 15-ton floor-type charging machines. V. P. Pogorelyi and others. Stal' 26 no. 12-1095-1097 D '66

#### KRIVOY ROG BASIN—BESSEMER PROCESS

Smelting of oxygen-blown converter metal for the manufacture of low-tensile steel. V. A. Shtal'nikov and others. Stal' 26 no. 12-1092-1093 D '66

#### KRIVOY ROG BASIN—GEOLOGY, STRUCTURAL

Structural relationship of Tsapako-Likhmanov anticline and far western zones of Krivoy Rog Basin. N. I. Baklanov. Dop. AN URSS no. 11-1461-1467 '66

#### KRIVOY ROG BASIN—IRON MINES AND MINING

Efficiency of breaking vertical ore layers in the sublevel caving system in Krivoy Rog Basin mines. P. N. Taran and others. Gor. zhur. no. 11-29-34 N '66.  
Influence of the intensity of mining mineral deposits in Krivoy Rog Basin upon labor productivity and cost of mining. I. I. Chirkov, A. I. Rudenko, G. S. Zymalev. Gor. zhur. no. 12-3-6 D '66.  
Manifestation of rock pressure during the process of massive caving of hanging wall rocks at "Tsentral'naya" Mine of the 20th Party Congress Mine Administration. D. Z. Shish, G. S. Shkrebko. Gor. zhur. no. 12-28-30 D '66.

#### KRIVOY ROG BASIN—IRON ORES

Oslapenko, P. E. [Practice of dressing iron ores in the Krivoy Rog Basin]. Praktika obogashchenia zheleznykh rud v Krivorozhskom basseine. Moskva, Nedra, 1966. 240 p.

Results of the revaluation of reserves of the "Iuzhnaya Mine" (Krivoy Rog Basin) iron ore deposit. I. K. Mirheeva. Mat. GKZ no. 4, 18-23 '66.

#### KRIVOY ROG BASIN—JET BORING—SAFETY MEASURES

Ways of improving sanitary and hygienic working conditions during jet boring. V. A. Mikhailov, A. I. Lebeda. Gor. zhur. no. 11-72-75 N '66.

#### KRIVOY ROG BASIN—MAGNETIC SEPARATION OF ORES

Increasing the efficiency of filtration of finely crushed magnetite concentrates. V. A. Chumakov and others. Gor. zhur. no. 12-54 D '66

#### KRIVOY ROG BASIN—ORE DRESSING

From work practices of the Krivoy Rog Southern Mining and Ore Dressing Combine. B. A. Blizniuk, I. A. V. Dubinskii. Bezop. truda v prom. 7 no. 5, 21-22 My '63.

#### KRIVOY ROG BASIN—ORE DRESSING PLANTS—EQUIPMENT AND SUPPLIES

Dewatering iron ore concentrates by automatic filter-presses. L. N. Kherasonets, E. D. Boguslavskii, B. V. Gishchuk. Obog. rud. 11 no. 3, 27-30 '66.

Increasing the wear resistance of cone crusher linings for coarse crushing at Novo-Krivoy Rog Mining and Ore Dressing Combine. V. M. Gurbach, P. I. Krupina. A. L. Malov. Obog. rud. 11 no. 3 33-36 '66

#### KRIVOY ROG BASIN—PRECAST CONCRETE CONSTRUCTION

We are reducing labor expenditures. V. S. Solov, I. Shestennikova, T. Orudnets. Ekon. stroit. 8 no. 12-31-33 D '66

#### KRIVOY ROG BASIN—PROSPECTING—GEOPHYSICAL METHODS

Problems of geophysical work in the study of the Krivoy Rog iron-ore basin. Z. G. Lunovskaya. Razv. tekhn. nauch. 29 no. 3, 37-42 M '63

#### KRIVOY ROG REGION—WORLD WAR, 1939-1945

Shaposhnik, V. N. [Intrepid soldiers]. Neustrashimye Moskva, Voenizdat, 1960. 83 p. (Geolicheskoe proshloe nashel rodiny)

#### KRUPSKAIA, NADEZHDA KONSTANTINOVA, 1860-1930

Great life. P. Gornostayev. Nov. ml. 30 no. 3 263-267 M '63.

N. K. Krupskaya on history classwork. M. I. Khubint. Ukr. ist. zhur. 10 no. 11-120-122 N '66.

#### KRYCHEVSKYI MYKOLA VASYL'OVYCH, 1898-1961

Ukrainian Artists Association in U.S.A. [Mykola Krychevskyi, an art exhibit]. Mykola Krychevskyi; mystetska vystavka. New York, Literaturno-mysleviskyi Klub, 1965. [8] p. illus. [In Ukrainian and English] (NN)

#### KUBALOV, BORIS GEORGEVICH, 1870-1906

Boris Georgievich Kubalov, obituary. S. I. Koval' and others. Izv. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 3 155-156 '66

#### KUBAN—PLANTS, FLOWERING OF

Some characteristics of the flowering of sorghum in the Northern Caucasus. B. N. Malinovskii. Sbor. trud. asp. i mol. nauch. sotr. VII no. 2 105-108 '61

#### KUBAN—RICE

Effect of the age of the field on the yield. A. Smelinin. Zemledelie 28 no. 11-24-26 N '66

#### KUBAN—SORGHUM BREEDING

Some characteristics of the flowering of sorghum in the Northern Caucasus. B. N. Malinovskii. Sbor. trud. asp. i mol. nauch. sotr. VII no. 2 105-108 '61

#### KUBAN VALLEY—LIBRARIES AND READERS

Kuban readers. S. Gubanov. Bibliotekar' 44 no. 1: 10-13 Ja '67.

#### KUBAN—WHEAT

Durum wheat. N. Irgorov. Zemledelie 28 no. 11-14 N '66

#### KUCHURGAN, LAKE—PHYTOPLANKTON

Phytoplankton of Kuchurgan Liman. V. M. Shatal', N. I. Liovtshchik. Biol. res. vod. Mold no. 1 1-13 '66

#### KUCHURGAN, LAKE—ZOOPLANKTON

Ecology of zooplankton of Kuchurgan Liman. A. I. Nahorovskii, O. I. Krivtsova, A. I. Rotari. Biol. res. vod. Mold no. 1 37-46 '66

#### KUGITANG—GEOLOGY, STRATIGRAPHIC

Secondary changes in the Upper Jurassic carbonate rocks of the Kugitang. K. Tomashov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim., i geol. nauk no. 6 68-73 '62

#### KUBYSHEV, VALERIAN VLADIMIROVICH, 1868-1935

An ardent fighter for communism. N. Khlebnikov. Komin. Vooruzh. Sil 3 no. 10 86-87 My '63

#### KUL'DZHUKTAV—ROCKS, IGNEOUS

Petrography of Shaydarnaz gabbroid intrusive in Kul'dzhuktau (central Kyrgyzia). G. G. Likhovtsov. Uzb. geol. zhur. 10 no. 5 40-46 '66

#### KULKOVO, BATTLE OF, 1380

Miniatures of "The Legend of the Rout of Mamay." L. A. Dmitriev. Trudy ODR 22-230-263 '66

#### KULUNDA STEPPE—ODONATA

Odonata of the northeastern part of the Kulunda Steppe. B. G. Belyshev. Izv. Vost.-Sib. old. Geog. ob.-va SSSR 60 60-66 '62

#### KUMROCH RANGE—PETROLEUM GEOLOGY

Natural seepage of petroleum in the Kumroch Range. O. K. Bazhenova, V. M. Kovalev, M. I. Khotin. Vop. geog. Kamch no. 3, 104-108 '65

#### KUN, BELA, 1886-1930

Kun, Bela. [Bela Kun; reminiscences. Translated from Hungarian]. Bela Kun; vospominaniia. [Moskva] Molodai gvardia, 1966. 311 p. (Zhizn' zamechatel'nykh liudel', Seriya biografii, no. 17(430))

#### KUNASHIR ISLAND—GEOLOGY, STRATIGRAPHIC

Stratigraphic characteristics of the Kunashir Island (Far East) in the context of the tectonic evolution of the island. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUNASHIR ISLAND—ROCKS, IGNEOUS

Characteristics of the igneous rocks of the Kunashir Island (Far East) in the context of the tectonic evolution of the island. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUNASHIR ISLAND—TROUT

Salmonids in the Kunashir Island (Far East) in the context of the tectonic evolution of the island. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUNASHIR ISLAND—VOLCANOES

Some characteristics of the volcanism in the Kunashir Island (Far East) in the context of the tectonic evolution of the island. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUPCHANOV, PEIR ALEKSANDR, 1893-

On the 70th anniversary of the birth of P. A. Kupchanov. *Khirurgiya* no. 2:33-41 '61

#### KURA LOWLAND—GAS, NATURAL—GEOLOGY

Characteristics of the natural gas in the Kura Lowland. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KURA LOWLAND—OIL FIELD BRINES—ANALYSIS

Characteristics of the brines in the Kura Lowland. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KURA LOWLAND—PETROLEUM GEOLOGY

Characteristics of the petroleum in the Kura Lowland. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KURA RIVER—OLIGOCHAETA

Characteristics of the oligochaeta in the Kura River. *Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KURBSKI, ANDREI MIKHAILOVICH, d. 1583

Kurbaki and his letters in the Pskov-Pechersky Monastery. *Trudy ODRL* 18:99-116 '62

#### KURDSH POETRY—HISTORY AND CRITICISM

The effect of the national liberation movement on modern Kurdish poetry abroad. *Ozhan Dzhallilov. Vest. oshchestva nauk* 14:34-37 '65

#### KURGAN PROVINCE—FARM MANAGEMENT

Pay more attention to agronomic theory. *V. F. Fichagin. Zemledelc* 20:10:55-56 '66

#### KURILE LAKE REGION—PUMICE

Origin of Lake Kurile and the pumices of this region. *O. A. Bratskaya, T. S. Kraevaya, V. S. Shchirich. Vop. geog. Karach* no. 3:40-57 '65

#### KURSK—THEATER

Days and affairs of the Kursk Theater. *V. Khuev. Teatr* 24:10:77-85 '63

#### KURSK MAGNETIC ANOMALY—MINING ENGINEERING

Experience in using a flat cotton chamber system of mining with ore haulage by explosion along inclined surfaces. *V. L. Terent'ev, and others. Gor. zhur* no. 12:21-24 '65

#### KURSK PROVINCE—ECONOMIC GEOGRAPHY

[Kursk Province, an economic and geographical study] *Kurskaya oblast, ekonomiko-geograficheskii ocherk. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 478 p.*

#### KURSK PROVINCE—SOCIAL GROUP WORK

A lecturer is finding heroes. *M. Pevzner. Agitator* 34:24:35-37 '66

#### KURSK PROVINCE—SUGAR BEETS—DISEASES AND PESTS

Results of testing herbicides in sugar beet fields of Kursk Province. *V. E. Lobanov. Khim. i sel. khoz* no. 12:39-42 '65

#### KURSK PROVINCE—TRICHINA AND TRICHINOSIS

Natural and zoonotic trichinosis foci in Kursk Province. *I. A. Zimorol. Med. paraz. i paraz. bol.* 32:2:177-180 '65

#### KUTITANG-TAU—GEOLOGY, STRATIGRAPHIC

Macrostructural indications of the terrigenous formation in Jurassic sediments of the Kutitang-Tau. *K. Kulicv. Izv. AN Turk SSR. Ser. fiz.-tekhn. i geol. nauk* no. 2:42-49 '61

#### KUTITANG-TAU—ROCKS, SEDIMENTARY

Post-orogenic dissection of the Kutitang-Tau in a new category of fragmental formations. *I. F. Kuvshinov. Izv. AN Turk SSR. Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUYBYSHEV—HARBOR—MANAGEMENT

The fleet should be in a continuous motion. *V. Str. gov. Rech. transp.* 25:10:12:55 '66

#### KUYBYSHEV HYDROELECTRIC POWER STATION

Volga Hydroelectric Power Station (Lenin)

#### KUYBYSHEV PROVINCE—GRAIN—FERTILIZERS AND MANURES

Effect of nitrogen supplements and band placement of superphosphates in Chernozems of Kuybyshev Province. *A. A. Pukhomenov. Khim. i sel. khoz* no. 12:15-17 '66

#### KUYBYSHEV PROVINCE—WHEAT—VARIETIES

Economic and biological evaluation of a collection of soft spring wheats in the trans-Volga region. *P. M. Chichurin. Sbornik dokl. i mol. nauch. soob. VVR* no. 2:84-89 '61

#### KUYBYSHEV RESERVOIR—ATMOSPHERIC TEMPERATURE

Autumn transition of air temperature over 10° on drainage basin of Kuybyshev Reservoir. *I. A. Kuvshinskaya. Sbornik dokl. Koms. GKO* no. 7:3-9 '66

#### KUYBYSHEV RESERVOIR—BIBLIOGRAPHY

*Komsomol'skii gidrometeorologicheskii observator. in. [Kuybyshev Reservoir, annotated index of published and manuscript works by members of the Communist Youth League Hydrometeorological Observatory from 1957 to 1964]. Kuybyshevskoe vodokanal'skoye amuetrovanniy ukazatel' opublikovannykh i rukopisnykh rabot sotsialisticheskoy Komsomol'skoy gidrometeorologicheskoy observatorii s 1957 po 1964 gg. Pod red. P. I. Nikulina i V. M. Shirokova. Tol'yatti, 1964. 97 p. [MICROFILM]*

#### KUYBYSHEV RESERVOIR—BREAM

Characteristics of growth of various bream generations in Kuybyshev Reservoir as related to feeding habits. *P. P. Sytyakov. Zool. zhur* 15:10:1733-1736 '66

#### KUYBYSHEV RESERVOIR—FOREST ECOLOGY

Hydrological role of types of forest cultivation conditions in drainage basin of Kuybyshev Reservoir. *R. A. Safinulin. Sbornik dokl. Koms. GKO* no. 1:82-87 '66

#### KUYBYSHEV RESERVOIR—HYDROLOGY

Evaluation of some methods of calculating waves produced by wind under conditions on Kuybyshev Reservoir. *P. M. Fedulova. Sbornik dokl. Koms. GKO* no. 7:58-73 '66

#### KUYBYSHEV RESERVOIR—HYDROMETEOROLOGY—MAPS

Level regime of Kuybyshev Reservoir and representation of it on reservoir maps. *P. I. Nikulin, L. V. Pitayev, A. P. Troitskaya. Sbornik dokl. Koms. GKO* no. 7:16-15 '66

#### KUYBYSHEV RESERVOIR—ICE ON RIVERS, LAKES, ETC.

Freezing and opening of Kuybyshev Reservoir based on aerial prospecting data. *G. A. Iasonov. Sbornik dokl. Koms. GKO* no. 7:101-125 '66

#### KUYBYSHEV RESERVOIR—ICE ON RIVERS, LAKES, ETC.—MAPS

Ways of mapping ice phenomena of drainage basin of Kuybyshev Reservoir. *M. V. Korbutskiy, G. N. Petrov. Sbornik dokl. Koms. GKO* no. 7:10-15 '66

#### KUYBYSHEV RESERVOIR—ICE ON RIVERS, LAKES, ETC.—MAPS

Ways of mapping ice phenomena of drainage basin of Kuybyshev Reservoir. *M. V. Korbutskiy, G. N. Petrov. Sbornik dokl. Koms. GKO* no. 7:10-15 '66

#### KUYBYSHEV RESERVOIR—RUNOFF

Determination of water resources of flood of unregulated rivers of drainage basin of Kuybyshev Reservoir. *R. S. Petrova. Sbornik dokl. Koms. GKO* no. 7:46-51 '66

#### KUYBYSHEV RESERVOIR—STORMS

"Diving" cyclones and storm activities on Kuybyshev Reservoir during navigation periods. *K. P. Chirgitsinskaya, N. N. Dzhizina. Sbornik dokl. Koms. GKO* no. 7:74-82 '66

#### KUYBYSHEV RESERVOIR—STREAM MEASUREMENTS

Runoff current in Kuybyshev Reservoir based on surveying data in 1963 and 1964. *P. F. Chigirinskii. Sbornik dokl. Koms. GKO* no. 7:83-100 '66

#### KUYBYSHEV RESERVOIR—WINDS

Evaluation of some methods of calculating waves produced by wind under conditions of Kuybyshev Reservoir. *P. M. Fedulova. Sbornik dokl. Koms. GKO* no. 7:58-73 '66

#### KUZIN, MIKHAIL IL'YICH, 1010-

Anniversary. *Khirurgiya* 12:10:1149 '66

#### KUZ'MIN-KARAVAEV, A. N.

A. N. Kuz'min-Karavaev's contacts with Polish revolutionary organizations. *A. I. Bortnikov. Vop. ist. slav.* no. 2:161-173 '66

#### KUZ'MIN, NIKOLAI VASIL'YEVICH

Kuz'min, N. V. [King Solomon's circle; page 6 from 11 part] King David in Solomon's, *Stranitsy bykha* 1:2:2, dep. Moskva, Sov. khudozhnik, 1966

#### KUZNETSK ALATAU—GEOLOGICAL TIME

Age of Murtygdykly granitoid complex and other of the Kuznetsk Alatau. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK ALATAU—GRANITE

Formation of Devonian and other granites of the Kuznetsk Alatau. *V. I. Bogdanov, A. N. Dmitriyev, V. N. Ivanov. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK ALATAU—ORE DEPOSITS

Age of Murtygdykly granitoid complex and other of the Kuznetsk Alatau. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL GEOLOGY—TABLES, CALCULATION, ETC.

Quality of material relating to the calculation of the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL GEOLOGY—TABLES, CALCULATION, ETC.

Quality of material relating to the calculation of the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MANAGEMENT

The five-day workweek in the Kuznetsk Basin. *M. I. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

#### KUZNETSK BASIN—COAL MINES AND MINING—MEASURES

Experience in forecasting sudden outbursts in the Kuznetsk Basin. *I. V. Alabin. Izv. AN SSSR Ser. fiz.-tekhn. i geol. nauk* no. 2:33-41 '61

## LABOR, COMPLICATED

Anesthesia and acceleration of births by ganglionic blocking and lytic mixtures in premature and early birthing of veters and in the coining of the umbilical cord. A. G. Guseinov. Azerb med zhur no 7:10-13 Ji '62.

The course of the placental stage in labor pathology using pericarpine, isovitin and promedol. N. R. Korkuntov. Sov. med 26 no 3:58-61 Mi '63.

## LABOR AND LABORING CLASSES

(see also subdivision under Africa, Daghestan, India, Kazakhstan, Leningrad, Poltava Province, Transcaucasia, Ukraine, United States, Ural Mountain region)

Manovich, E. L. [Problems of public labor in the U.S.S.R.] Problemy obshchestvennogo truda v SSSR. Moskva, Ekonomika, 1966, 188 p.

Prudenskii, G. A. [Time and labor] Vremia i trud. Moskva, Mysl', 1965 342 p.

Workers, enterprises, and society. N. I. Alekseev. Vop. filoz. 20 no. 12:11 '66.

Working people are a great force. Boris Leon'tev. Sov. professory 22 no. 2:12-13 D '66.

## LABOR AND LABORING CLASSES—EDUCATION

(see also subdivision under Krasnoyarsk Territory)

Improving workers' cultural and technical level during the postschool period. B. R. Rashchchenko. Uch. zap. I GU no. 2:23-25-12 '60.

Novgorodskii, I. U. F. [Technological progress and the labor supply] Tekhnicheskii progress i rabochie kadry. Moskva, Znanie, 1967, 31 p. (Novoe v zhizni, nauke, tekhnike, III Seriya: Ekonomika, no. 2)

## LABOR AND LABORING CLASSES—MEDICAL CARE

Protection of workers' health. S. Fieldin. Agitator no. 18:10-13 S '63.

## LABOR AND LABORING CLASSES—STATISTICS

(see also subdivision under Siberia; Soviet Far East)

Basic and auxiliary workers in industry. O. Shafranova. Sots. trud 11 no. 12:118-123 D '66.

## LABOR COURTS

Burnasheva, D. A. [To agricultural workers and employees on the settlement of labor disputes] Sel'skokhozyaistvennyye rabochie i sluzhashchii o razreshenii trudovykh sporov. 2. izd. [Moskva] Profizdat, 1965, 61 p. (MII-L)

## LABOR DISCIPLINE

Labor discipline and scientific organization of labor. Sots. trud 11 no. 12:3-8 D '66.

Modern technology, scientific organization of production, and labor discipline. The subject "Conscientious discipline and socialist organization of labor." Article 5. N. Filimonov. Agitator 31 no. 11:9-23 Ja '67.

Socialist discipline of labor and standards of the Soviet mode of life. The subject "Conscientious discipline and socialist organization of labor." Article 1. V. Markov. Agitator 31 no. 23:21-27 D '66.

We must improve the discipline of socialist labor. Polit. zhizn' no. 1:7-10 Ja '67.

## LABOR LAWS AND LEGISLATION

(see also subdivision under Estonia)

Decisions of the All-Union Central Council of Trade Unions] Shor. post. VTSSPS Ap-Je '66.

Leningradskii gosudarstvennyi universitet. [Soviet labor law] Sovetskoe trudovoe pravo. Leningrad, 1966, 374 p. (CSI-H) (InU)

Moskovskii gosudarstvennyi universitet. Kafedra trudovogo prava. [Labor law] Trudovoe pravo. Pod red. N. G. Aleksandrova. Moskva, Uid. lit-iz, 1966, 542 p.

Our information. Agitator 34 no. 11:40 Ja '67.

Panshuor, S. Kh. [Role of Soviet labor law in the defense of socialist property] Rol' sovetskogo trudovogo prava v okhane gosudarstvennoi sobstvennosti. Cherkessk, Stavropol'skoe knizhnoe izd-vo, 1965, 79 p. (CSI-H)

Remuneration for work on holidays. IU. TSodebaum. Sots. zakon. 43 no. 12:74-78 D '66.

The right of discharged employees to their annual leaves. IU. Gil'man. Sots. zakon. 43 no. 12:58 D '66.

Wage regulation. S. S. Karinskii. Sov. profsolyuzy 22 no. 23:44-46 D '66.

We shouldn't tolerate errors in the implementation of labor laws. A. Protseva'kyl. Rad. pravo 29 no. 12:29-33 D '66.

## LABOR MOBILITY

Point of the application of efforts. I. Melenevskii. Sov. profsolyuzy 22 no. 21:15-17 D '66.

## LABOR MOBILITY—STATISTICS

Studying the permanency of the labor supply in industry and construction. V. Bukolov. Vest. stat. no. 12:38-41 '66.

## LABOR PARTY (GREAT BRITAIN) see Great Britain—Labor Party

## LABOR PASSPORTS

Let us improve the recording of the labor activities of Soviet citizens. B. I. Morolev. Sots. zakon. 43 no. 12:27-29 D '66.

## LABOR PRODUCTIVITY

Organizing work of line walkers of city gas mains. V. A. Saitinov, A. Ia. Cherkasova. Gaz. prom. 11 no. 12:20 '66.

Prudenskii, G. A. [Time and labor] Vremia i trud. Moskva, Mysl', 1965 342 p.

Putalov, A. K. [The most important, the main thing] Samoe vazhnoe, samoe glavnoe. Frunze, Kirgizgostizdat, 1963, 49 p.

Study of efficiency. Teor. i prakt. fiz. kul't. 29 no. 11:15-16 N '66.

## LABOR SUPPLY see subdivision under Altai Territory, Turkmenistan

## LABORATORIES

Laboratories for special branches of industry in the institutions of higher education. V. V. Maloshuk, N. T. Pribytkovskaya. Vest. vys. shkoly 21 no. 12:11-13 D '66.

What are the advantages of interdepartmental laboratories. I. P. Skul'shin. Vest. vys. shkoly 24 no. 12:16-17 D '66.

## LABORATORIES—DESIGN AND CONSTRUCTION

National model for Scientific Research Institute building. S. Volkov. Arkhit. SSSR no. 11:33-36 '66.

## LABORATORIES, MEDICAL

Vinogradov, I. V., and A. S. Gureev. [Laboratory examinations in the practice of forensic medicine, reference book] Laboratornye issledovaniia v praktike sudobno-meditsinskoi ekspertizy, spravochnoe posobie. Moskva, Meditsina, 1966, 234 p.

## LABORATORY ANIMALS

Keeping animals in their early stages of postnatal development under conditions of a physiological experiment. L. I. Tank. Trudy I.P.M.I. no. 32:157-158 '65.

Measuring of temperature in laboratory animals with the use of electric thermocouples. I. M. P. Porolov. Lab. delo no. 1:54-55 '67.

Use of various laboratory animals in obtaining type-specific sera against group B Coxsackie viruses. N. M. Gordinenko, Z. F. Zubova, T. R. Borutskaya. Trudy Mosknouch. issl. inst. virus. prep. no. 3:201-208 '65.

## LABYRENTH (EAR)

Role of vestibular portion of labyrinth in postnatal changes in adrenalin and noradrenalin content in some tissues of white rats. A. A. Pushkarev. Dokl. AN SSSR 10 no. 10:803-807 O '66.

## LACQ REGION, FRANCE—GAS, NATURAL

Geography of the use of natural gas in France. V. B. Kotov. Vest. Mosk. univ. Ser. 5: Geog. 21 no. 6:75-82 N-D '66.

## LACTATES

Changes in the content of blood sugar and lactic acid in the blood of athletes during standard exertion in the process of acquiring a good form. N. N. Iakovlev and others. Fiziol. zhur. 48 no. 10:1265-1268 O '62.

## LACTIC ACID

Content of glycogen, lactic and pyruvic acid in the myocardium in compensatory hyperfunction. A. P. Bozhko. Biol. eksp. biol. med. 55 no. 6:69-71 Je '63.

## LACTIC ACID IN THE BODY

Lactic acid content in blood following physical exercises. I. K. Sivkov, M. A. Melikhova. Teor. i prakt. fiz. kul't. 29 no. 11:60-61 N '66.

## LACTIC DEHYDROGENASE

Separation of lactic dehydrogenase protein components in normal and pathological serum by DEAE cephadex. O. N. Abolomova, Kh. M. Rubina. Vop. med. khim. 12 no. 6:578-581 N-D '66.

Study of dissociation of lactic dehydrogenase from rabbit muscles. D. I. Kurganov, N. P. Sugrobova. Biokhimiia 31 no. 6:1084-1093 N-D '66.

## LACTONES

Determination of ester number of sterically hindered dialkylmalonic esters and  $\alpha$ -alkyl-substituted macrocyclic lactones. S. G. Polakova, A. B. Skvortsova. Trudy VNIISNDV no. 7:186-190 '65.

Lactones and the species independence of the Nakhichevan wormwood (Artemisia Nachitschevanica) R. A. Abbasov, N. M. Ismailov, K. S. Rybakov. Dokl. AN Azerb. SSR 19 no. 2:43-44 '63.

Structure and odor of some mono- and disubstituted lactones and tetrahydrofurane. V. M. Dashinin and others. Trudy VNIISNDV no. 7:77-85 '65.

Synthesis of  $\gamma$ ,  $\delta$ -substituted  $\delta$ -lactones. Report No. 3. A. L. Vozzechovskaya, V. N. Belov. Trudy VNIISNDV no. 7:25-29 '65.

## LADDERS

Standard ladders with a platform. Transp. stroit. 11 no. 11:55 N '61.

## LA FARGUE, PAUL, 1842-1911

The journalistic and propaganda work of P. Lafargue in the 1880's and 1890's. T. L. Artem'eva. Vop. ist. KPSS 11 no. 1:71-76 Ja '67.

## LAKE LABAZ—FISHERIES

Lake Labaz in the Khatanga basin. L. V. Lukhanchikov. Izv. Vost.-Sib. old. Geog. ob-va SSSR 60:88-91 '62.

## LAKE VANDA, ANTARCTICA

A "hot" and "salt" lake in Antarctica. I. Barenholtz. Inform. bul. Sov. antark. eksp. no. 59:82-85 '66.

## LAKES see subdivision under Altai Mountains

## LAMBS—DISEASES AND PESTS

Some regularities of the distribution of nematodes in the organism of lambs. G. A. Shabatkin, A. G. Nurazimov, M. Atoplan. Veterinariia 43 no. 12:55-57 D '66.

## LAMELLIBRANCHIATA

Growth of freshwater mollusk Sphaerium corneum L. I. P. Arabina. Dokl. AN SSSR 10 no. 12:978-981 D '66.

## LAMELLIBRANCHIATA, FOSSIL see subdivision under Siberia, Western

## LAMINAR FLOW

Steady laminar flow of an incompressible fluid in a plane channel and in a circular cylindrical tube, allowing for the heat friction and the temperature dependence of the viscosity. S. A. Kaganov. PMTF no. 3:66-69 My-Je '62.

## LAMPBLACK—SPECTRA

Effect on paramagnetic resonance of lampblack. G. S. Gal'cev and others. Zhur. fiz. khim. 40 no. 11:2814-2817 N '66.

## LAND

(see also subdivision under Central Chernozem region, Kaunas District, Kirghizistan, Krasnodar Territory, Moldavia)

Concern of the state. I. Danilov. Zemledelie 28 no. 11:47-49 O '66.

Land is the source of wealth in our society. V. Solnikov. Ekon. sel'khoz. 42 no. 11:46-59 N '66.

Observing legislation. IU. Zharikov. Zemledelie 28 no. 11:43-46 N '66.

Practices in the recultivation of land. A. Nakaeva. P. Ponomarev. Zemledelie 28 no. 11:49-53 N '66.

Return of land. Zemledelie 28 no. 11:55 N '66.

## LAND—PRICES see subdivision under Moldavia

## LAND TENURE

(see also subdivision under Burgundy; Caucasus, Northern China, Europe, Eastern, Great Britain, Hungary, Moldavia, Oxfordshire, Great Britain, Uzbekistan; Venezuela, Yugoslavia; Zakataly region, Azerbaijan)

The Great October Socialist Revolution and the solving of the agrarian problem. I. Pershin. Ekon. sel'khoz. 42 no. 12:7-20 D '66.

[Yearbook on the agrarian history of Eastern Europe for 1964] Ezhegodnik po agrarnoi istorii Vostochnoi Evropy, 1964 god. Kishinev, Karta Moldoveneske, 1966, 786 p.

## LANDFORMS

(see also subdivision under Kazakhstan)

Account of effect of relief on electric anomalies. A. A. Nepomniashchikh. L. V. Sokolov. Izv. AN Kazakh. SSR. Ser. geol. 23 no. 5:72-80 S-O '66.

## LANDLORD AND TENANT see subdivision under Moldavia

## LANDSCAPE ARCHITECTURE

(see also subdivision under Baku; Leningrad; Sevastopol)

City, nature, and man. V. Pavlichenkov. Arkhit. SSSR no. 11:5-16 '66.

## LANDSCAPE PAINTING

Shinina, M. K. [Seasons of the year; Russian landscape painting] Vremena goda; russkaia peizazhnaya zhivopis'. Moskva, Iskusstvo, 1966, 35 p., illus., plates. (NIC)

## LANGUAGE AND LANGUAGES

Important problems in the development of linguistics in the Soviet era. N. A. Baskakov, M. I. Isaev, S. K. Konebacev. Vest. AN Kazakh. SSR 19 no. 1:18-57 Ja '63.

## LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages





**LATVIA—POTATO WART**  
Control of potato wart in Latvia. Zashch. rast. 11 no. 11:51 '66.

**LATVIA—POTATOES—DISEASES AND PESTS**  
Virus diseases of potatoes. V. Duda. Zashch. rast. 11 no. 11:23 '66

**LATVIA—PUBLIC PROSECUTORS**  
What the figures tell us about the work of public prosecutors B. Dubovinskii. Sots. zakon. 13 no. 12:20-22 D '66.

**LATVIA—TRICHOGRAMMA**  
Use of Trichogramma in Latvia. I. A. Tshinovskii, A. Zilspine. Zashch. rast. 11 no. 11:21-22 '66.

**LATVIA—SECTS**  
Stahins, E. [Speaking in their own words; religious sects without their masks] Ar vinu vai diem, religiozais sektantisms bez maskas. Riga, Liesma, 172 p. [In Latvian]

**LATVIA—SEED PRODUCTION**  
Kundziņš, Aivars. [Forest tree seeds] Meža koku sēklas. Riga, Liesma, 1966. 114 p. [In Latvian] (DNAL)  
Veisteris, Pēteris. [Seed production of vegetables] Dārzumu sēkļkopība. 2., papildinātā un pārstrādātā izdevums. Riga, Liesma, 1966. 250 p. [In Latvian] (DNAL)

**LATVIA—SUGAR BEETS**  
[Sugar beets] Cukurbietes. Riga, Liesma, 1966. 220 p. [In Latvian] (DNAL)

**LATVIA—VEGETABLE GARDENING**  
Veisteris, Pēteris. [Seed production of vegetables] Dārzumu sēkļkopība. 2., papildinātā un pārstrādātā izdevums. Riga, Liesma, 1966. 250 p. [In Latvian] (DNAL)

**LATVIA—WAGES—TRANSPORTATION, AUTOMOTIVE**  
Drizhins, T. Z. [Incentives for increasing labor productivity of automotive vehicle drivers, as exemplified by the Latvian S.S.R.] Stimuli paaugstinātā ražošanai—nostādītā shēma, na pārmērā Latvijas SSR, Riga, Zinātne, 1966. 57 p.

**LATVIA—WAR CRIMES**  
[Don't forget Audriņi!] Neaizmirsti Audriņus! [By] K. Šausnītis un citi. Riga, Liesma, 1966. 220 p. [In Latvian]

**LATVIAN COOKERY** see *Cookery, Latvian*

**LATVIAN LANGUAGE—WORD FREQUENCY**  
Latvijas Padomju Sociālistiskās Republikas Zinātņu akadēmija. Valodas un literatūras institūts. [Frequency dictionary of the Latvian language] Latvian valodas biežuma vārdnīca. [By] T. Jakubāte un citi. Riga, Zinātne [In Latvian]  
Vol. 1. [Technology and industry] Tehnika un rūpniecība. Pt. 1. 1966. 620 p.

**LATVIAN S.S.R.—CLIMATE**  
[Handbook on the climate of the U.S.S.R.] Spravočnik po klimatu SSSR. Leningrad, Gidrometeoizdat. No. 5. [Latvian S.S.R.] Latvijas kara SSR. Pt. 1. [Solar radiation, radiation balance, and sunshine] Sola radiācija, radiācijas balanss, un solnečnais silums. 1966. 48 p.

**LATVIAN S.S.S.R.—SOLAR RADIATION**  
[Handbook on the climate of the U.S.S.R.] Spravočnik po klimatu SSSR. Leningrad, Gidrometeoizdat. No. 5. [Latvian S.S.R.] Latvijas kara SSR. Pt. 1. [Solar radiation, radiation balance, and sunshine] Sola radiācija, radiācijas balanss, un solnečnais silums. 1966. 48 p.

**LAUNCHES**  
Launches for the national economy. N. A. Makarov. Sudostroenie 58 no. 11:62-66 '66.

**LAUREL**  
Use of laurel preparations in canned fish production. V. G. Prud'ko, N. A. Kekelidze. Ryb. khoz. 42 no. 11:67-68 '66.

**LAVA** see subdivision under *Armenia*

**LAW**  
Fuks, S. L. [Soviet law from the period of the transition to the new economic policy to the beginning of the advance of socialism on a broad front, 1921-1929, a summary of lectures] Sovetskoe pravo v period perekhoda k novoi ekonomicheskoj politike do nachala nastupleniya sotsializma po vsemu frontu, 1921-1929 gg; konspekt lektsii. Khar'kov, Khar'kovskii iurid. in-t, 1965. 60 p. (CS1-II)

**LAW—BIBLIOGRAPHY** see *Bibliography—Law*

**LAW—CASES**  
(see also subdivision under *Ukraine*)  
[Bulletin of the Supreme Court of the R. S. F. S. R.] Blui. Verkh. Suda RSFSR no. 10 '66, no. 1 '67.

How public prosecutors supervise the observance of laws. Rad. pravo. 29 no. 12:97 D '66.

How public prosecutors supervise the observance of laws. Sots. zakon. no. 11:87-91 N '66

How public prosecutors supervise the observance of laws. Sots. zakon. 13 no. 12:80-82 D '66

**LAW—PERIODICALS**  
A story of enthusiasts. M. Sverdlov. Sots. zakon. no. 11:61-62 N '66.

**LAW—STUDY AND TEACHING**  
(see also subdivision under *Perm Province, Ulan-Ude, Ust'-Kamenogorsk*)  
Let us disseminate the knowledge of law among schoolchildren. V. Rubashkin, I. U. Stuchalev. Rad. pravo. 29 no. 12:81 D '66.

A "radio lecture hall" N. Rykhalina. Sots. zakon. 43 no. 12:73 D '66.

**LAW AND ETHICS**  
Communist ethics and Soviet law. Sots. zakon. 43 no. 12:13-19 D '66.

**LAW SCHOOLS** see subdivision under *Uzbekistan*

**LAWYERS** see subdivision under *Senegal*

**LEACHING**  
Leaching of muds through hydrogarnets. M. M. Goldman and others. Trudy Inst. metal. i oleg. AN Kazakh. SSR 16:111-117 '66.

Solid residue of hydrochemical processing of aluminum-silicate slag. G. S. Mal'nev and others. Trudy Inst. metal. i oleg. AN Kazakh. SSR 16:167-175 '66

**LEAD—METALLURGY**  
Valuable work on the hydrometallurgy of nonferrous metals. E. A. Buketov. Vest. AN Kazakh SSR 19 no. 1:64-66 Ja '63.

**LEAD ARSENATES—TOXICOLOGY**  
Toxicity of lead arsenate to goats. V. A. Semenov, M. N. Smirnova. Veterinariia 13 no. 12:145 D '66

**LEAD NIOBATE CRYSTALS—GROWTH**  
Growing lead niobate single crystals by zone refining. O. P. Kramarov. Rost. krist. 6:226-228 '65

**LEAD POISONING**  
Specificity of the effect of lead on spermatogenesis. G. M. Egorova, N. G. Ivanov, I. V. Samotski. Toks. nov. prom. khim. veshch. no. 8:33-11 '66

**LEAD SELENIDE CRYSTALS—GROWTH**  
Growing lead selenide single crystals. I. A. S. Budzhak. Rost. krist. 6:229-230 '65

**LEAD SULFATES**  
Effect of surface-active substances on structure of passivating layer of lead sulfate. E. G. Lampovskaya and others. Elektrokhimia 2 no. 11:1327-1330 N '66.

**LEAD SULFIDE CRYSTALS—GROWTH**  
Electron-microscope study of structure and mechanism of formation of lead sulfide microcrystals. S. A. Dartsheva, G. I. Distler. Rost. krist. 5:228-232 '65.

**LEAD SULFIDES—THERMOELECTRIC PROPERTIES**  
Electrical and optical study of PbS. I. U. V. Mal'nev and others. Fiz. tver. tela 8 no. 7:2154-2162 Ji '66

**LEAD TELLURIDE CRYSTALS—GROWTH**  
Growing PbTe single crystals by Czochralsky's method. P. M. Startik, P. I. Voronuk. Rost. krist. 6:281-283 '65

**LEAD TELLURIDES**  
Growing of high-alloy lead telluride n-type single crystals and the determination of distribution coefficients of iodine, chlorine, and bromine. V. I. Kaidanov, R. B. Mol'nik, E. Sh. Fedorenko. Izv. AN SSSR. Neorg. mat. 2 no. 12:2248-2247 D '66.

**LEAD TELLURIDES—THERMOELECTRIC PROPERTIES**  
Thermoelectric properties of n-PbTe at high temperatures. T. S. Stavitskaya, V. A. Long, B. A. Efimova. Izv. AN SSSR. Neorg. mat. 2 no. 12:2098-2102 D '66.

Using method of thermoelectric measuring in strong magnetic fields in studying nonparabolic shape of PbTe valence band. I. N. Dubrovskaya and others. Fiz. tver. tela 8 no. 7:2247-2248 Ji '66

**LEAF MINERS**  
Elm bucculatrix, Bucculatrix ulmicola Kuznetz, sp. n. (Lepidoptera, Bucculatricidae) a pest of elms of Transcaucasia and Central Asia. V. I. Kuznetsov. Dokl. AN Arm. SSR 35 no. 2:81-83 '62.

**LEAF ROLLERS**  
Toxicity of some insecticides to the hemp leaf roller. Grapholita lineana G. N. Tsybul'skaya. Khim. v sel. khoz. 1 no. 12:26-26 D '66

**LEGAL PHOTOGRAPHY** see *Photography, Legal*

**LEARNED INSTITUTIONS AND SOCIETIES—ANNIVERSARIES, ETC.**  
One hundredth anniversary of Russian scientific technological societies. D. A. Smol'tsin. St. 11 '66 no. 12:1063-1067 D '66

One hundredth anniversary of scientific technological societies. A. G. Gruzdenko. Khim. i tekhn. no. 12:55-57 '66

One hundredth anniversary of Scientific Technological Societies. M. P. Filatov. Shkht. st. 10 no. 11:29-30 N '66

Scientific technological societies of the U. S. S. R. are 100 years old. U. T. Skormakov. Gor. zhur. no. 11:3-7 N '66

**LEARNING, PSYCHOLOGY OF**  
Conception of internalization. P. A. Gal'perin. Vop. psikh. 12 no. 6:25-32 N-D '66.

Development of concepts in the theory of learning. N. M. Verzin. Sov. pedagog. 30 no. 12:53-63 D '66

Formation of skill while solving specific practical and educational problems. I. V. Butskaf. Vop. psikh. 12 no. 6:111-152 N-D '66.

Generalization problem in L. S. Vygotskii's works. V. V. Davydov. Vop. psikh. 12 no. 6:12-54 N-D '66.

Internal and external stimuli to learning. A. A. Rozenberg. Sov. pedagog. 30 no. 8:51-56 Ag '66.

Novosibirskii pedagogicheskiy institut. [Problems of psychology] Voprosy psikhologii. [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 119 p.

Problem of learning and development in L. S. Vygotskii's works. D. B. El'skonin. Vop. psikh. 12 no. 6:33-41 N-D '66.

The question of interrelation between scientific cognition and learning. S. A. Shapovalov. Sov. pedagog. 30 no. 12:43-52 D '66

Solving of psychological problems as a method of teaching students. F. I. Ivanchenko. Vop. psikh. 12 no. 6:172-175 N-D '66.

Some typologically specified characteristics of the individual style of learning activity in upper classmen. A. K. Baimetov. Vop. psikh. 12 no. 6:129-140 N-D '66.

**LEARNING AND SCHOLARSHIP**  
Excerpts from B. I. Shkman's unpublished work "Characteristics of the production of spiritual riches." Vop. filos. 20 no. 12:113-123 '66.

**LEAST SQUARES**  
Determining the coefficients for power functions using the method of least squares. I. L. Reznik. A. 14. Shetlin. Mor. shoi. 49 no. 10:66-67 O '66

**LEATHER**  
Effect of oiling and kneading on the corrected volumetric output of chrome-tanned leather. L. V. Konopel'kina, M. P. Kotov. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:68-74 '66

Effect of the copolymer of styrene and maleic anhydride on the properties of leather. L. B. Sankin, I. P. Stuklov. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:16-53 '66

Increasing the thickness of stiff pig leather. H. V. Livyi and others. Lek. prom. no. 2:66-69 Ap-Je '62.

Mechanical properties of Russian leather processed with synthetic oiling materials. I. A. I. Peskin. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:51-62 '66

Properties of chrome-tanned leathers made from pig hides and dried by gluing them on glass plates. Sh. I. Nasyrov, I. U. L. Kavkazov. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:75-80 '66.

Study of the effect of the variation of relative air moisture on the deformation of leather parts during the manufacturing process and the storage of footwear. G. S. Klimchuk, I. U. P. Zybina. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:103-116 '66

**LEATHER INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
For you, leather industry workers! Prom. Bel. 9 no. 12:30 D '66.

**LEATHER—LUBRICATION**  
Fat-lubricating of shoe-upper leather with synthetic fats. A. M. Akseil'band, M. I. Il'f, O. N. Nozhenko. Lek. prom. no. 2:55-58 Ap-Je '62.

**LEATHER—TESTING**  
Dependence of residual elongations on the residual stresses of chrome leather uppers kept in a deformed state for various periods of time. A. Ratutas, N. Majausklone. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:63-67 '66.

Relation between the indices of average thickness and the thickness of hard leathers at the standard point. B. L. Elon, G. N. Kuprianova, M. P. Kuprianov. Izv. vys. ucheb. zav. tekhn. leg. prom. no. 5:80-87 '66

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#### LENINGRAD—BUSINESS ENTERPRISES

**Tsapkin, N. V., ed.** [Firms and economics, from the work practice of Leningrad industrial combines] *Fhmy i ekonomika, iz opyta raboty leningradskikh proizvodstvennykh ob'edineniy*. Sbornik statei [Leningrad] Leningrad, 1966. 228 p.

#### LENINGRAD—CARGO HANDLING

New technology for the servicing of the fleet. V. G. G. Rech. transp. 25 no. 12-15 '66.

#### LENINGRAD—CITY PLANNING

Areas of greenery and sports of facilities. L. M. Lebedeva. Stroitel' arkhitekt. Len. 28 no. 11-23 N '66.

Between two main arteries. V. N. Shcherbin. Stroitel' arkhitekt. Len. 28 no. 10, 22-23 O '66.

Development of general municipal center and problem of Leningrad's outlet to Gulf of Finland. V. A. Kamenskii. Stroitel' arkhitekt. Len. 28 no. 11-10-15 N '66.

Experimental block. O. N. Bashinskii. Stroitel' arkhitekt. Len. 28 no. 11-10-32 N '66.

Great experiment in municipal construction, new seaside developments in Leningrad. N. B. Baranov. Stroitel' arkhitekt. Len. 28 no. 11-5-9 N '66.

Main arteries and transport. N. N. Baranov, M. S. Ivanova. Stroitel' arkhitekt. Len. 28 no. 12-21-25 N '66.

The new Neva waterfronts. A. V. Maklakovskaya. Stroitel' arkhitekt. Len. 25 no. 5-16-23 My '61.

New system of housing construction. S. I. Evdokimov. Stroitel' arkhitekt. Len. 28 no. 11-16-18 N '66.

Our Vasilii. V. V. Blinov. Stroitel' arkhitekt. Len. 28 no. 11-1-3 N '66.

#### LENINGRAD—CONSTRUCTION INDUSTRY

Increase life of apartment houses. Stroitel' arkhitekt. Len. 28 no. 10-1 O '66.

#### LENINGRAD—CONSTRUCTION INDUSTRY—MANAGEMENT

Concentrate attention on solution of principal problems. E. V. Shcherbin. Stroitel' arkhitekt. Len. 28 no. 10-21 O '66.

#### LENINGRAD—HISTORY

**Progov, E. P.** [Vasilii Island] Vasil'evskii ostrov. [Leningrad] Leningrad, 1966. 180 p. (Iz istorii raionov Leningrada)

#### LENINGRAD—HOURS OF LABOR

A new work schedule and the law. A. K. Kliev, I. Ivanov. Sov. profsoyuzy 22 no. 23-32-35 D '66.

#### LENINGRAD—ILLEGAL LIBRARIES

A library on Nevsky Prospekt. O. I. Salkin. Voprosy 41 no. 12:208-209 D '66.

#### LENINGRAD—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Industrial structures in the building of Leningrad. V. D. Kirzhogian. Stroitel' arkhitekt. Len. 25 no. 9-6-8 S '63.

#### LENINGRAD—INDUSTRIAL MANAGEMENT

Potentials of the growth of production and their utilization. E. V. Maralov. Uch. zap. Kaf. sov. ekon. Vys. shkoly no. 3-102-108 '64.

#### LENINGRAD—INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

At the Kirov Plant; new departments for the manufacture of extremely powerful tractors. S. P. Chaburin. Stroitel' arkhitekt. Len. 25 no. 9-9-11 S '63.

For the Leningrad turbine builders; plan of the engineering building. Stroitel' arkhitekt. Len. 25 no. 9-12-13 S '63.

#### LENINGRAD—INSTRUMENT INDUSTRY—MANAGEMENT

**Menshutin, A. A.** [Scientific labor organization and economics] *NOT i ekonomika*. [Leningrad] Leningrad, 1966. 36 p. (Shkola sotsialisticheskogo khoziaistvoivaniia)

#### LENINGRAD—LABOR AND LABORING CLASSES

Influence of technological progress upon changes in the nature of workers' labor. V. P. Veselov. Uch. zap. LGU no. 293:64-74 '60.

**Semenov, S. N.** [The workers of St. Petersburg on the eve of the first Russian revolution] *Peterburgskie rabochie na khatune pervoi russkoi revoliutsii*. Moskva, Nauka, 1966. 180 p.

#### LENINGRAD—LANDSCAPE ARCHITECTURE

Landscaping new areas. Stroitel' arkhitekt. Len. 25 no. 5-21-25 My '63.

#### LENINGRAD—MACHINERY INDUSTRY—MANAGEMENT

Economics and the collective. A. Demeshko. Sov. profsoyuzy 22 no. 23:4-6 D '66.

#### LENINGRAD—MANUSCRIPTS—CATALOGS

Catalogs of the collection of manuscripts published by the Library of the Academy of Sciences of the U.S.S.R. A. I. Kopanev. Sov. bibl. no. 5:82-90 '64.

#### LENINGRAD—METAL INDUSTRIES—MANAGEMENT

Indices of the volume of production and their significance in the mobilization of internal potentialities. I. Sh. Shaitov. Uch. zap. Kaf. sov. ekon. Vys. shkoly no. 3-31-38 '64.

#### LENINGRAD—MILITARY MUSEUMS

[Short guidebook to the Military History Museums of Artillery, Engineer Troops, and Signal Troops] *Voenno-Is-toricheski muzei artillerii, inzhenernykh voisk i voisk svyazi*. *Kratkii putevoditel'*, 5 izd. Pod obshch. red. A. A. Bumagin. Leningrad, 1966. 231 p.

#### LENINGRAD—MOTORBUS LINES—PASSENGER TRAFFIC

Passenger traffic in Leningrad. G. N. Kiforov. Avi. transp. 14 no. 12-10-20 D '66.

#### LENINGRAD—MUNICIPAL SERVICES

System of municipal services. E. M. Syrkin. Stroitel' arkhitekt. Len. 28 no. 11-26-29 N '66.

Utilities installation. L. M. Zelnikman. Stroitel' arkhitekt. Len. 28 no. 11-30 N '66.

#### LENINGRAD—PILING (CIVIL ENGINEERING)

Pile foundations for construction on Vasilii Island. A. E. Kriantseva. Stroitel' arkhitekt. Len. 28 no. 11-39 N '66.

#### LENINGRAD—POLICE SERVICES FOR JUVENILES

Lieutenant Kashkarova's friends and assistants. I. U. Luk'ianov. Sov. profsoyuzy 22 no. 24-27-28 D '66.

#### LENINGRAD—PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION

Public buildings. A. I. Lazarev and others. Stroitel' arkhitekt. Len. 28 no. 11-33-36 N '66.

#### LENINGRAD—RATS

Some data on the reproduction of the brown rat in the Leningrad commercial port. N. S. Kluchnik. Trudy Gos. nauch.-issl. profsoyuzn. inst. 16:253-257 '58.

#### LENINGRAD—RECLAMATION OF LAND

Where once was sea. P. A. Boiadshev, Z. I. Lavrovich. Stroitel' arkhitekt. Len. 28 no. 11-37-38 N '66.

#### LENINGRAD—RECREATION AREAS

Areas of greenery and sports of facilities. L. M. Lebedeva. Stroitel' arkhitekt. Len. 28 no. 11-23 N '66.

#### LENINGRAD—RESTAURANTS, LUNCHROOMS, ETC.—ACCOUNTING

Centralization of accounting in public dining. V. Labinshvili, E. Murav'antsyeva. Bukhg. uch. no. 11:20-22 N '66.

#### LENINGRAD—REVOLUTION, 1917-1921

**Erykalov, E. F.** [The October armed uprising in Petrograd in 1917] *Oktabr'skoe vooruzhennoe vosstanie v Petrograde v 1917 godu*. Moskva, Znanie, 1966. 41 p. (Novoe v zhizni, nauke, tekhnike. I Seriya: Istoriia, no. 11)

MH

#### LENINGRAD—SCHOOL LIBRARIES

School library is a part of universal elementary education. A. Iutina, I. Shvarts. Bibliotekar' 44 no. 1:30-40 Ja '67.

#### LENINGRAD—SCIENTIFIC LIBRARIES

The Library of the Academy of Sciences of the U.S.S.R. as a coordinating center of bibliographical work in the field of natural sciences, physics, and mathematics. A. I. Mankevich. Sov. bibl. no. 5:60-68 '64.

May our 250-year-old library attain further successes! Sov. bibl. no. 5:10-28 '61.

Our greetings to the Library of the Academy of Sciences of the U.S.S.R. Sov. bibl. no. 5:15-16 '64.

The Sector of Information of the Library of the Academy of Sciences of the U.S.S.R. and its bibliographical service to readers. A. D. Aleksandrova, G. N. Pankova. Sov. bibl. no. 5:60-75 '61.

The 250th anniversary of the Academy of Sciences of the U.S.S.R. M. S. Filippov. Sov. bibl. no. 5:20-42 '61.

The 250th anniversary of the Academy of Sciences of the U.S.S.R. Sov. bibl. no. 5:16-18 '64.

Work of the Library of the Academy of Sciences of the U.S.S.R. in the field of the bibliography of science. S. P. Luppov. Sov. bibl. no. 5:14-59 '64.

#### LENINGRAD—SOVIETS

"Bolshovization" of the Petrograd Soviet and its class and party structure. M. N. Potekhin. Trudy LPI no. 261:16-31 '65.

#### LENINGRAD—STEAM TURBINES—DESIGN AND CONSTRUCTION

The 300,000 kw capacity steam turbine developed by the Leningrad Metalworks passed the factory tests. A. V. Levin. Energomashinoostroenie 7 no. 1:44 Ja '61.

#### LENINGRAD—TECHNOLOGICAL INNOVATIONS

The councils of innovations, a form of the participation of public-spirited workers in technological progress, based on the material of Leningrad. T. I. D. Ieva. Trudy LPI no. 261:91-102 '66.

#### LENINGRAD—TECHNOLOGY

Influence of technological progress upon changes in the nature of workers' labor. V. P. Veselov. Uch. zap. LGU no. 293:61-71 '60.

#### LENINGRAD—TELEVISION—TRANSMITTERS AND TRANSMISSION

A unique metal tower. G. M. Tolstobrov. Stroitel' arkhitekt. Len. 25 no. 5-10-12 My '63.

#### LENINGRAD—TELEVISION BROADCASTING

How we illustrate the television broadcasts. I. Tarasov. Sov. radio i tel. 8 no. 3:4 '59.

#### LENINGRAD—TELEVISION STATIONS

What the television workers have to say. Stroitel' arkhitekt. Len. 25 no. 5-13-14 My '63.

#### LENINGRAD—TELEVISION STATIONS—DESIGN AND CONSTRUCTION

How the studio and control-room building was erected. N. E. Plotkin. Stroitel' arkhitekt. Len. 25 no. 5-6-9 My '63.

The Leningrad Television Station. G. A. Levinson. Stroitel' arkhitekt. Len. 25 no. 5-2-5 My '63.

#### LENINGRAD—TOURIST CAMPS, HOTELS, ETC.

Tourist center in Repin. V. D. Kirzhogian. Stroitel' arkhitekt. Len. 28 no. 10-29-31 O '66.

#### LENINGRAD—TRACTOR INDUSTRY

At the Kirov Plant, new departments for the manufacture of extremely powerful tractors. S. P. Chaburin. Stroitel' arkhitekt. Len. 25 no. 9-9-11 S '63.

#### LENINGRAD—TRAFFIC ENGINEERING

Main arteries and transport. N. N. Baranov, M. S. Ivanova. Stroitel' arkhitekt. Len. 28 no. 11-24-25 N '66.

#### LENINGRAD—VEGETABLE TRADE—COSTS

Causes of great losses. E. Koisman. Sov. torg. 40 no. 1:13-14 Ja '67.

#### LENINGRAD—VEGETABLE TRADE—MANAGEMENT

"Vasileostrovets" and "Primolets". I. Kashtan. Sov. torg. 40 no. 1:25-27 Ja '67.

#### LENINGRAD—WATERFRONTS

The new Neva waterfronts. A. V. Maklakovskaya. Stroitel' arkhitekt. Len. 25 no. 5-16-20 My '63.

#### LENINGRAD ECONOMIC REGION—CONSTRUCTION INDUSTRY

At a new stage. K. A. Glukhovskoi. Stroitel' arkhitekt. Len. 25 no. 9-2-5 S '63.

The items of immediate necessity should receive the main attention. Stroitel' arkhitekt. Len. 25 no. 5-15 My '63.

#### LENINGRAD ECONOMIC REGION—MAPS

General geographical atlas of the Leningrad Administrative Economic Region. A. G. Durov. Mat. Otd. mat. geogr. i kart. Geogr. ob-va SSSR no. 2-30-41 '62.

#### LENINGRAD ECONOMIC REGION—TECHNOLOGICAL INNOVATIONS

Introduction and use of new equipment are important conditions for increasing labor productivity. I. V. Semenov. Uch. zap. Kaf. sov. ekon. Vys. shkoly no. 3-10-58 '64.

#### LENINGRAD PROVINCE—AGRICULTURAL WORKERS—EDUCATION AND TRAINING

**Danilova, A. A.** [School of progressive practice on a state farm] *Shkola poudovogo opyta v sovkhioze*. [Moskva] Profizdat, 1966. 28 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 11(59))

#### LENINGRAD PROVINCE—CLUBROOT

Some morphological characteristics of the root system of turnips. I. A. Galandova. Sbor. trud. asp. i mol. nauch. sot. VIR no. 2-144-150 '61.

#### LENINGRAD PROVINCE—DRAINAGE

Mellioration on farms in Leningrad Province. G. I. Kozlov. Zemledelie 26 no. 10-22-24 O '66.

#### LENINGRAD PROVINCE—FORESTS AND FORESTRY

Moosa feeding habits and its role in forestry of north-eastern Leningrad Province. E. K. Tmofeeva. Biol. i prom. lesia, no. 2-136-158 '65.

#### LENINGRAD PROVINCE—IRRIGATION

Mellioration on farms in Leningrad Province. G. I. Kozlov. Zemledelie 26 no. 10-22-24 O '66.

#### LENINGRAD PROVINCE—MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING

Long-range planning for training engineering and technical personnel in industrial enterprises. V. R. Polozov. Uch. zap. LGU no. 293:43-63 '60.





#### LIGHT-SCATTERING

Light scattering and viscosimetry of polyvinyl methylsilane solutions. A. B. Dushkova and others. Vysokomol. soed. 8 no 10:1814-1817 '66

Methodology of studying scattering of light in cloudy fluids. M. I. Shakhmatov. Vest. Mosk. univ. Ser. 2. Khim. 17 no 5-3-6 S-O '62

#### LIGHT-TRANSMISSION

Diffusion of radiation in plane layer with nons isotropic scattering. I. N. Minin. Astron. zhur. 13 no. 6:1241-1260 N-D '66

#### LIGHTNING PROTECTION

Consideration of lightning corona in the calculation of lightning protection of substations using digital computers. V. S. Shatalin, V. V. Bazutkin. Izv. vuz. ucheb. zav., energ. 9 no 11:20-25 N '66

#### LIGHTWEIGHT CONCRETE

Controlling the process of the structure formation of gas concrete and gas silicates. A. A. Krzhemynskii, B. B. Krzhemynskii. Sbornik trudov ROSSNIMS no 21:28-39 '62

Increasing the quality of air-entrained silicates by the vibration of frothed mass. E. P. Sidorov. Izv. AN. Tekhn. SSR, Ser. fiz.-tekhn. Khim. i geol. nauk. no 2:94-99 '61

Method of experimental determination of stresses on cellular concrete in autoclave treatment. A. I. Avakov, I. T. Iakovlev, K. G. Gritanov. Izv. vuz. ucheb. zav., stroitel'sk. 9 no 9:133-137 '66

Practices in manufacturing the expanded concrete wall panels and blocks with lime-sash binders. N. V. Ivakino. Sbornik trudov ROSSNIMS no 24:73-80 '63

Study of the formation of porous structure in gas concretes. S. G. Danilova, I. U. M. Rutt, N. S. Paulina. Trudy MKHIM no. 11:118-120 '63

#### LIGNIN

Activation of carbonized lignin. G. A. Malakhov, F. T. Nizhegaitova. Gidroliz i tsekhim. prom. 19 no. 8:10-12 '66

Determination of acid groups in lignins by means of high-frequency conductometry. V. M. Reznikov, O. N. Chudnovskaya. Zhur. anal. khim. 21 no. 10:1243-1247 '66

Lignin destruction in alkali medium. G. V. Opol'nova, M. I. Arkhipov, V. K. Shmirev. Gidroliz i tsekhim. prom. 15 no 1:15-18 '62

Modifying and plasticizing hydrolytic lignin. S. I. Sukhanovskii and others. Gidroliz i tsekhim. prom. 19 no. 8:7-9 '66

#### LIGNITE

Seipion properties of brown coal components and accumulation of xenanthum. L. N. Semashova, I. S. Sofov. Lit. i pol. tekhn. no 6:134-136 N-D '66

Strengthening of the coked granules of brown coal by secondary carbon. V. I. A. Tsenov, K. I. Sykov, I. U. G. Koi olev. Trudy MKHIM no 12:12-15 '63

Studying the lumping of brown coal. V. I. A. Tsenov, K. I. Sykov. Trudy MKHIM no. 42, 5-11 '63

Use of humic fertilizers made from brown coal. N. A. Oveselov. Pochv. ust. i efek. udob. no 1:102-105 '63

#### LIGNOSULFONIC ACIDS

Change of the acid composition of lignosulfonic acids during thermal treatment. R. K. Botasakala, M. N. Tsykina. Trudy VNIIB no 51:3-8 '65

Thermal stability of cation exchangers based on lignosulfonates. M. N. Tsykina and others. Trudy VNIIB no 51:9-13 '65

#### LIGNOSULFONIC ACIDS—SPECTRA

Absorption of ultraviolet rays by sulfite wastes. I. U. V. P. Kovalev. Sbornik trudov, UkrNIIB no. 7:93-101 '66

#### LIKHACHEV, BORIS MIKHAILOVICH, 1906-1962

Khrenkov, D. T. [My friends, verse] Druzhba moi — sluzhbi. [Leningrad] Lentsad, 1968. 165 p.

#### LIKHACHEV, DMITRII SERGEEVICH—BIBLIOGRAPHY

Akademiia nauk SSSR, Dmitrii Sergeevich Likhachev, Vstup. stat'ia V. P. Adrianovoi-Porets. Bibliografiia sost. G. N. Pnashinai I M. A. Salimov, Moskva, Nauka, 1968. 104 p. (Materialy k bibliografii uchenykh SSSR. Seriya literaturny iazyka, no. 7)

#### LIKHTMAN, VLADIMIR IOSIFOVICH

Vladimir Iosifovich Likhman; obituary. Porosh. met. 6 no. 11:33 N '66

#### LILIES

Grol, V. A. [Lilies and their cultivation] Lili i ikh kultura. [Moskva] Izd-vo Mosk. univ., 1966. 90 p. (Sredi prirody, no. 59)

#### LIME

Behavior of feldspars in sintering with lime. G. R. Bozovik, K. P. Kaleva. Min. syr. i no. 13:78-82 '66

Effect of the Fe<sub>2</sub>O<sub>3</sub> content on the kinetics of assimilation of lime by clinker. S. M. M. Nikolaev, I. U. M. But, V. V. Timashev. Trudy MKHIM no. 41:144-148 '63

More accurate formula for calculating the coefficient of saturation of Portland cement clinker with lime. V. V. Volkov, I. U. M. But, V. V. Timashev. Trudy MKHIM no 11:155-157 '63

#### LIME—MATHEMATICAL MODELS

Physical modeling of the lime slaker for its mathematical description. A. I. Glazunov. Trudy VNIIB no. 51:160-175 '65

#### LIME INDUSTRY

State of the lime industry and prospects for its development. F. M. Berk, A. P. Kornushina. Sbornik trudov ROSSNIMS no 21:94-99 '62

#### LIMESTONE

(see also subdivision under Carpathian Mountains)

Use of limestone aggregate for high strength concrete. A. I. Kalishuk, V. N. Ginzuk, V. D. Khodz. no. 4:172-179 '66

#### LIMING OF SOILS

Chemical molleration. Zemledelie 28 no 10-37 O '66

Yield and quality of corn grain as related to the rates of fertilizers and liming. M. M. Eutsorga, I. U. P. Kuzmenko. Khim. v sel'. khoz. 4 no 12:6-10 '66

LINEAR DIFFERENTIAL EQUATIONS see Differential equations, Linear

#### LINEAR EQUATIONS

Accuracy in the solution of normal equations. V. I. Salnikov. Izv. vuz. ucheb. zav., geod. i aerol. no. 3:43-52 '62

Approximate solution of linear equations. M. B. Gagun. Trudy Vych. tsentra AN Gruz. SSR 3:27-47 '62

A class of approximate methods for solving operator equations with nondifferentiable operators. O. I. Zinchenko. Dop. AN URSR no. 7:852-856 '63

Solution of improperly stipulated linear algebraic equations. F. I. Filippovich. Vych. nat. [Kiev] no 2:76-88 '66

#### LINEAR PROGRAMMING

Application of linear programming in the planning of fuel engineering. L. I. Istomin. Trudy IGI 18:149-161 '62

Application of the distribution method of linear programming in the solution of fuel engineering problems. L. I. Istomin, V. M. Popov, A. K. Shubnikov. Trudy IGI 18:173-178 '62

Application of the method of resolving factors of linear programming for the solution of fuel engineering problems. L. I. Istomin, V. M. Popov, A. K. Shubnikov. Trudy IGI 18:165-172 '62

Application of the methods of linear programming in selecting fuel mixtures. L. I. Istomin, V. M. Popov, A. K. Shubnikov. Trudy IGI 18:179-189 '62

Globov, V. V. [Accounting for related production and interrelationship in calculating the economic efficiency of manufacturing lumbering industry products] Uchet smozhnykh proizvodstv i vzaimozamoshennosti pri raschete ekonomicheskoi effektivnosti izgotovleniia produktov lesnoi promyshlennosti. Moskva, TSentr. nauchno-issl. i in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tseluluzno-bumazhnoi, derevoobrabatvatel'skoi promyshli. i lesnomu khoz., 1965. 47 p. (Lesoskeplualistika)

#### [MICROFILM]

Linear programming and the scientific organization of labor. I. B. Lekhno. Put' i put. khoz. 10 no. 8:15-18 '66

Popov, I. G. [Linear programming in economic calculations for agriculture] Lineinnoe programirovanie v ekonomicheskikh raschetakh po sel'skomu khozaiastvu; uchebnoe posobie. Moskva, In-t nar. khoz., [1961] 102 p.

Selection of the optimal set of machinery in livestock farming. V. Edemskii, I. Burobkin, V. Afanas'ev. Ekon. so'khodz. 42 no 12:57-62 D '66

Solution of transport problem with time criterion. G. Kaimov. Dokl. AN Tadzh. SSR 9 no. 12:7-10 '66

Use of linear programming in solving certain problems of agricultural geography. A. V. Gorkhova, M. R. Kamenetski, A. I. Shvartsberg. Dokl. Inst. geog. Sib. i Dal'. Vost. no. 10:52-58 '65

Vasiliev, V. V., A. N. Klepikova, and A. G. Timoshenko. [Solution of problems in optimum planning using analog computers] Reshenie zadach optimal'nogo planirovaniia na elektronnykh modelnikh. Kiev, Naukova dumka, 1966. 163 p.

#### LINKOV, IAKOV IOSIFOVICH, 1906-1968

I. I. Linkov; an obituary. Ist. SSSR 10 no. 6:225 N-D '66

#### LINOLEIC ACID

Hydrogenation of ethyl ester of linoleic acid on Raney catalysts. N. S. Samsonova, D. V. Sokol'skii. Trudy Inst. khim. nauk. AN Kazakh. SSR 14:159-168 '66

#### LIPETSK PROVINCE—COLLECTIVE FARMS—PENSIONS

Confident step. I. Kovalev. Sois. chesep. 41 no. 12:12-13 D '66

#### LIPETSK PROVINCE—MATHEMATICS—STUDY AND TEACHING

Work of progressive-minded mathematics teachers in Lipetsk province. A. I. Pospelov, Z. I. Slesmanova. Ucheb. zap. Ped. inst. Gerts. 260:150-167 '65

#### LIPID METABOLISM

Atherosclerosis of the aorta, blood lipids and cholesterolinemia. D. M. Abdulov. Azerb. med. zhur. 40 no. 4:11-54 Ap '63

Effect of "atherogenic" diet on lipid metabolism indices and oxidation processes in rats of various ages. A. A. Chirpkin. Dokl. AN BSSR 10 no 9:687-690 S '66

Effect of the pituitary preparation Adipozine on the lipolytic activity of fatty tissue and the content of nonesterified (free) higher fatty acids in the adipose tissue. S. M. Letiche, N. K. Davtian. Biol. eksp. biol. med. 55 no 5:60-67 My '63

#### LIPIDOSES

Noninfectious reticuloendotheliosis, xanthomatosis and eosinophilic granuloma. A. Ozols, Z. I. A. Khvostantsova. Trudy Novokav. GIDUVA 32:107-110 '65

#### LIPIDS

Role of lipids in protein synthesis. N. M. Slankian and others. Biokhimiia 28 no 2:326-333 Mr-Apr '63

Studies in the field of lipids. Report No. 38: Synthesis of  $\alpha$ -O-(11-pentadecenyl)- $\beta$ ,  $\phi$ -distearoylglycerine. G. A. Serubrenitova and others. Khim. prirod. soed. no 3:305-310 '66

#### LIPOMATOSES

Multiple symmetrical lipomatosis. S. S. Zhuravskii. Vop. onk. 9 no 3:112-115 '63

#### LIPOMYCELES

Study of lipomycetes in Podzol soils. A. I. A. Tribunskaya. Mikrobiologiya 31 no 2:307-313 Mr-Apr '62

#### LIPOMYCELES—CULTURES AND CULTURE MEDIA

Two types of spores for raising in lipomycetes. I. P. Bab'eva, Khassan Mevand. Mikrobiologiya 35 no 5:824-828 S-O '66

#### LIPOPOLYSACCHARIDES

Hexosamine-containing compounds of the lipopolysaccharide type in the leaves of higher plants. B. N. Gladyshev. Biokhimiia 28 no. 2:210-215 Mr-Apr '63

#### LIPOPROTEIN LIPASE

Lipoprotein lipase as a humoral agent of the physiological anticoagulating system. B. A. Kudriashov and others. Biol. eksp. biol. med. 55 no 5:20-25 My '63

#### LIPOPROTEINS

Blood proteins and lipoproteins in patients with chronic deep pyoderma. L. I. A. Petrova. Vest. derm. i ven. no. 12:36-40 '62

Lipoproteins in the lysoplasm of liver cells in acute radiation sickness. V. D. Blokhina, E. M. Belinaeva. Biokhimiia 28 no 2:272-276 Mr-Apr '63

#### LIPOPROTEINS—OPTICAL PROPERTIES

Optical properties of artificial pigment-lipoprotein complex. I. U. E. Giller, L. T. Khatova. Dokl. AN Tadzh. SSR 9 no 12:32-36 '66

#### LIPS

Liksum of Hemiptera (Heteroptera). L. V. Puchkova. Dop. AN URSR no. 7:104-107 '63

#### LIPS—CANCER

Isakov, A. I. [How to prevent cancer of the lower and upper lip] Kak predupredit' i kak izbezit' i verkhnei i gubny. Alma-Ata, "Kazakhstan," 1966. 24 p. (DNLM)

#### LIPS—DISEASES

Pemphigoid form of lichen ruber plans on the red margin of the lower lip. T. N. Antonova. Vest. derm. i ven. 37 no. 3:60-61 Mr '63

#### LIQUEFIED PETROLEUM GAS

Liquefied gases as fuel for internal combustion engines. V. P. Davydov, V. M. Popov. Trudy IGI 18:128-134 '66

Performance study of liquefied gas pipeline. S. A. Abdurashitov, A. A. Tupchenkov, P. S. Solntkov. Gaz. prom. 11 no. 11:18-21 '66

#### LIQUID CRYSTALS

Molecular structure and growth of liquid crystals. B. K. Vainshtein, I. G. Chistikov. Ros. fiz. 5:163-172 172 '66

#### LIQUID FUELS

Effect of pressure and of composition of air blast on gas formation process during the gasification of liquid fuels. V. S. A. It'shuter, O. V. Khitkov. Trudy IGI 18:119-127 '62

#### LIQUID HELIUM

Condensation of rotating helium II. R. A. Bahldze, N. S. Gavrilidi. Zhur. eksp. i teor. fiz. 51 no 5:1341-1343 N '66

**LIQUID HELIUM (Continued)**  
Propagation of fourth sound in helium reservoirs. D. G. S. Zhuravskiy, Zhuravskiy, 11 no 5:150-156 N '66

**LIQUID HELIUM, EFFECT OF TEMPERATURE ON**  
Condensation of rotating helium II and its density jump in phase transition point. L. L. Dzhuravskiy, Zhuravskiy, 11 no 5:154-157 N '66

**LIQUID LEVEL INDICATORS**  
Device for recording the levels of mudflow inundations. I. P. S. Zhuravskiy, Zhuravskiy, 11 no 3:30-35 '54  
Photometric threshold level indicator. L. G. Ushakov, V. G. Pavlov, Mashinostroyeniye, 9:33-36 '65  
Remote control of gauging of liquid levels in tanks using radio transmission. N. M. Sarkisov, I. I. Chubov, V. G. Ushakov, Trudy Akad. Nauk SSSR, 10:10-12 '66

**LIQUID METALS**  
Diffusion of impurity atoms in liquid Ga and Sn. H. I. Oshimenko, P. P. Kuznetsov, IEI Khim. fiz. Upr. fiz. khim. 11 no 11:1264-1265 N '66  
Glass annealing in metallic melts. S. I. Silvestrovich, V. M. Firov, Stal, 23 no 12:6-9 D '66

**LIQUIDS**  
Laboratory apparatus of continuous action for studying liquid phase reactions. V. A. Prokhorovskiy, A. M. Gukhman, M. S. Furman, Khim. fiz. Upr. fiz. khim. 11 no 12:15-18 D '66  
Structure of liquids. A. A. Shchegolev, Rost. list, 5:179-186 '65

**LIQUIDS—OSCILLATIONS**  
Kolesnikov, K. S. [Oscillations of a liquid in a cylindrical vessel, methods manual in the course "Dynamics of articles"] Kolesnikov, K. S. [Dinamika izdelii, 1954, 97 p. (MICROFILM)]

**LIQUIDS—THERMAL PROPERTIES**  
Nomogram for the determination of the Prandtl criterion of liquids on the saturation line. A. K. Chernyshev, Khim. i tekhn. topl. i masel, 11 no 11:57-60 N '66

**LIQUIDS—THERMODYNAMICS**  
Relation between thermodynamic stability and structural characteristics of liquid. V. B. Baskakova, Zhuravskiy, 10 no 11:2922-2924 N '66

**LISICHANSK REGION (UKRAINE)—WATER, UNDERGROUND—POLLUTION**  
Hydrogeological characteristics and contamination of underground waters of the Lisichansk-Rubezhnoye industrial region of the Donets Basin. A. F. Chaykin, A. D. Sokolov, Z. A. Chaykin, Vod. res. i gidr. stroit. 1:132-139 '66

**LISITSYN, PETR IVANOVICH, 1877-1948**  
Outstanding scientist-biologist, breeder, and seed grower. M. K. Kompanets, Sel'khoz. biol. 1 no 6, 929-935 '66

**LISTERIOSIS**  
Epidemiology of listeriosis in the U.S.S.R. 1, 4, 21-23 D '66  
Fleas of the Jerboa Sciripoda lefumi and a case of their spontaneous infection by a listeriosis agent. V. I. Urkina, Dop. AN URSR no 71:970-972 '63

**LITERARY CALENDARS** see subdivision under Canada

**LITERARY STYLE** see Style, Literary

**LITERATURE—BIBLIOGRAPHY** see Bibliography—Literature

**LITERATURE—COMPETITIONS**  
Literary olympics. F. Fridland, Nar. obr. no 12:64-66 D '66

**LITERATURE—HISTORY AND CRITICISM**  
Tolstol, L. N. [L. N. Tolstol on literature, articles, letters, diaries] L. N. Tolstol on literature, slat'i, pis'ma, dnevniki. Moskva, Gos. izd-vo khudozh. lit-ry, 1965, 783 p. (OCIW)

**LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY** see Bibliography—Literature—History and criticism

**LITERATURE—STUDY AND TEACHING**  
Literary olympics. F. Fridland, Nar. obr. no 12:64-66 D '66  
Literature lessons in the light of sociological research. L. S. Aizerman, Sov. pedagog. 30 no 6:136-145 Je '66  
Rivers start from springs. D. Belousov, Sem'ia i shkola 21 no 12:39 D '66

**LITERATURE AND COMMUNISM** see Communism and literature

**LITHIUM—ANALYSIS**  
Absorption flame photometric method for the determination of lithium. I. V. Zelubova, M. P. Nikonova, N. S. Poluektov, Zhuravskiy, 21 no 12:1404-1413 '66

**LITHIUM ALLOYS**  
Effect on paramagnetic resonance in lithium containing admixtures of group II B metals. N. S. Galitskiy and others, Pis'ma v red. Zhuravskiy, 11 no 1:24-25 Ja '67

**LITHIUM BORATES**  
Chain structure of lithium tetraborate. G. S. Melnikov, V. V. Tarasov, Trudy MKHTI no 41:8-9 '63

**LITHIUM FLUORIDE CRYSTALS**  
Effect of ultrasonic waves on etch of LiF single crystals. Part 2. I. A. Hindin and others, Uchiye zhurn. 11 no 11:1245-1246 N '66

**LITHIUM FLUORIDE CRYSTALS—GROWTH**  
Growth of LiF crystals strengthened by addition of titanium and study of their properties. L. M. Balaev and others, Rost. list, 6:129-132 '65

**LITHIUM IODIDE—THERAPEUTIC USE**  
Experience in using lithium iodide for the treatment of some psychotic states. K. V. Moskat, G. M. Bel'skaya, I. D. Muratova, Zhuravskiy, 11 no 1:102-105 '63

**LITHOSPERMUM** see Gnomwell

**LITHUANIA—AGRICULTURE**  
A section of the council of specialists. M. Grigaliunas, Zemledie 28 no 12:63-64 D '66

**LITHUANIA—ATHEISM—EDUCATION**  
Developing a system of atheistic education in the Lithuanian S.S.R. P. P. Mishutis, Vop. nauch. ateiz., 1:200-229 '66

**LITHUANIA—COURTS**  
We should improve the organization of work of the people's courts of the Lithuanian S.S.R. A. Likas, Seta, zakon. 11:50-51 N '66

**LITHUANIA—MILK HYGIENE**  
Veterinary control in the dairy industry of the Lithuanian S.S.R. R. Bricklen, Veterinarija 13 no 11:10-12 N '66

**LITHUANIA—NONWOVEN FABRICS—RESEARCH**  
Method for modeling the pilling of semiwoolen stitched-knit nonwoven fabrics. A. Kuchingis, Irs. vs. ucheb. zav. tekhn. leg. prom. no 5:3-7 '66

**LITHUANIA—PLANT DISEASES—RESEARCH**  
Development of phytopathology in Lithuania. A. Minkевичius, Zashch. rast. 11 no 11:17-18 '66

**LITHUANIA—PLANT DISEASES—STUDY AND TEACHING**  
Development of phytopathology in Lithuania. A. Minkевичius, Zashch. rast. 11 no 11:17-18 '66

**LITHUANIA—PLANTS, PROTECTION OF**  
In Lithuania. V. Kela, V. Siauta, Zashch. rast. 11 no 11:2-5 '66  
Our comrades. I. Paulekas, Zashch. rast. 11 no 11:15 '66

**LITHUANIA—PLANTS, PROTECTION OF—RESEARCH**  
From the history of plant protection in Lithuania. S. Mastauskis, Zashch. rast. 11 no 11:19-20 '66

**LITHUANIA—RADIO IN AGRICULTURE**  
Great and useful conversation. V. Zemskova, Sov. radio 1 tel. 12 no 6:22 Je '63  
Our principal goal. S. Vilkas, Sov. radio 1 tel. 12 no 6:16 Je '63

**LITHUANIA—RADIO JOURNALISM**  
Inviting you to "The Journalistic Thursday." J. Jurevicius, Sov. radio 1 tel. 12 no 6:20 Je '63

**LITHUANIA—ROTATION OF CROPS**  
How to take into consideration the mastering of crop rotations. B. Gurinovich, Zemledie 28 no 11:67-69 N '66

**LITHUANIA—TEACHERS, TRAINING OF**  
Combining the "comprehensive" and "faster" forms of raising the qualification. J. J. Lazauskas, Vesti, vys. shkoly 24 no 12:60-63 D '66

**LITHUANIA—TELEVISION IN AGRICULTURE**  
Great and useful conversation. V. Zemskova, Sov. radio 1 tel. 12 no 6:22 Je '63

**LITHUANIA—VODKA**  
Production of "Kalvados" vodka in the Lithuanian S.S.R. Spirt. prom. 28 no 5:45 '62

**LITHUANIA—WEED CONTROL**  
Herbicides in Lithuanian fields. J. Monstvilas, Zashch. rast. 11 no 11:46 '66

**LITHUANIAN FOLK SONGS** see Folk songs, Lithuanian

**LITTER (BLINDING)**  
Aleksaeva, V. A., and N. N. Kul'ba. [Use of test for litter; as exemplified by the "Gononovskii State Farm"] Ispol'zovanie testov na podstikh, na opyte goskhoz'iz'montov. Leningrad, Kolos, 1965, 47 p. (DNAI)

**LIVER**  
Degradation of tetrachloro, heptachloro, aldrin, and heptachloro by liver enzymes. I. S. Lukashuk, Biokhimiya 27 no 5:875-881 S-O '66

**Diagnostic significance of radioisotope scanning of the liver in acute endotoxemia and other diseases.** Trudy I-go MMI 13:165-170 '65

**Fragmentation of liver DNA as related to animal age.** V. V. Litvinova, B. I. Golubchik, B. I. R. P. 1:1-10 biokhim. 38 no 6:580-581 '66

**Insulin-inactivating ability of the liver under conditions of a changed insulin supply.** V. G. Shul'gina, Vychisl. endokrinologiya 9 no 1:51-51 Ja '67

**Isolation of acetyl and ethyl cholinesterases from the liver following transformation of the liver.** M. I. Ilyin, T. M. Prodanova, Biokhimiya 28 no 1:11-17 '66

**Lipoproteins in the hyaloplasm of liver cells in acute radiation sickness.** V. D. Hlokhina, B. I. R. P. 1:1-10 biokhim. 28 no 2:272-276 Ma-Apr '66

**LIVER—CANCER**  
Content of free amino acids in the liver and tumors in rats and mice. T. A. Golubchik, Vop. onk. 9 no 3:2-31 '63

**Diagnostic significance of the determination of specific alpha globulin in the blood serum of patients with hepatoma.** I. S. Tatarova, A. M. Neykova, V. I. Onk. 13 no 1:26-28 '66

**Isotopic characterization of the liver in man.** M. A. Idrakovich, T. Kh. Abdlov, Vop. onk. 12 no 3:1-5 '66

**LIVER—DISEASES**  
Effect of methionine choline on protein metabolism in liver and on blood serum protein fractions in experimental hepatoma. N. Kh. Abdullayev, Vop. med. biol. 12 no 6:627-632 N-D '66

**Effect of streptomycin on the oxidation-reduction processes in myoglobin and hemoglobin preparations.** G. A. Alimov, A. V. Med. zhurn. 40 no 5:53-57 '63

**Hexokinase activity in cellular fractions of the liver in healthy and in hexam-diabetic rabbits.** M. I. Ilyin, B. I. R. P. 1:1-10 biokhim. 28 no 2:232-237 Ma-Apr '66

**Rare case of an aplanthorochosis complication.** N. A. Zubov, Med. paraz. i paraz. bol. 31 no 5:579-581 Ja '62

**Use of testosterone and its synthetic analogs in the treatment of severe chronic hepatitis and liver cirrhosis.** I. K. Bakulov, Sov. med. 26 no 3:79-81 Ma '63

**LIVER—HYDATIDS**  
Diagnosis of rupture of hepatic suppurative hydatid cysts into bile ducts causing obstructive jaundice. M. A. Tugueva, Khirurgiya 12 no 11:133-136 N '66

**Diagnostic criteria in extensive liver echinococcosis, data on our observations.** P. I. Mitrova, A. V. Med. zhurn. 40 no 1:71-73 Ma '63

**Disorders in the protein composition of the liver caused by alveolar hydatids in the liver and in the blood in relation to specific and pathogenetic therapy.** N. A. Ozeretkovskaya, M. I. Alekseeva, Med. paraz. i paraz. bol. 31 no 5:543-551 S-O '62

**LIVER—SURGERY**  
Liver regeneration in monkeys. Z. A. Rubinina, I. R. Ustinov, Biokhimiya 27 no 5:877-881 Ja '66

**LIVER—TUMORS**  
Comparative study of apparatus aminotransferase in mitochondria and in soluble part of liver cell of mice and some mouse hepatomas. T. N. Kopylova, Vychisl. endokrinologiya 9 no 1:51-51 Ja '67  
V. L. Nemchinskaya, TSitologiya 8 no 5:472-475 S-O '66

**Electron microscopic study of cell contacts in healthy and solid hepatomas.** I. S. Chentsov, I. V. Oshchepkov, TSitologiya 8 no 5:604-609 S-O '66

**Ultrastructure of transplanted hepatomas of C57A mice.** Report No. 2. Electron microscopic study of cirrhotic hepatoma 22 and hepatoma 48. E. I. Pyklyuk, V. A. Bresler, TSitologiya 8 no 5:557-563 S-O '66

**LIVER—WOUNDS AND INJURIES**  
Use of collagen hemostatic sponge for the closing of wounds on liver surface. A. M. Khil'min and others, Trudy I-go MMI 40:324-332 '66

**LIVER FLUKE**  
Rare case of an aplanthorochosis complication. N. A. Zubov, Med. paraz. i paraz. bol. 31 no 6:550-561 S-O '62

## LIVER FUNCTION TESTS

- Changes in the function of the liver and kidneys in dogs following replantation of a transplanted; preliminary report. A. A. Gaidarovich, G. S. Lipovetskii, L. M. Sabina. Trudy I-go MMI 19:207-216 '66.
- Effect of microcirculation on tyrosine retention in the liver and its level in dog and rat blood. T. N. Prizlasova, V. P. Fedotov. Biol. eksp. med. 55 no. 5:63-66 '63.
- Effect of thyroid hormone on glucose-6-phosphatase activity in the liver and blood. G. A. Dotsa. Biol. eksp. med. 55 no. 6:59-61 Ju '63.
- Effects on microscopic study of the liver in experimental sinus. V. B. Vitulin. Eksp. khim. i med. 8 no. 6:39-43 N-D '63.
- Functional state of the liver in combined analgesic anesthesia according to M. A. Topilskiyev's method. A. R. Ailev, F. M. Akhmedov, T. A. Raitkova. Azerb. med. zhur. no. 7:21-28 Ji '62.
- Functional state of the liver in patients with postoperative decompensation of digestion (dumping syndrome). S. P. Maslavin, R. G. Nikitina. Khirurgiya 12 no. 11:17-33 N '66.
- Notes on computation in Quick's test. O. L. Sokolova. Lab. delo no. 145 '67.

## LIZARDS

- Analysis of the generalized reactions in the electrogram of the cortex of the anterior brain in lizards. V. I. Gusev, I. I. Polotskaya. Fiziol. zhur. 48 no. 10:1195-1202 O '62.

## LOADING AND UNLOADING

- Conditions for rhythmic operation of railroads and railroad enterprises. I. P. Povai. Zhel. dor. transp. 48 no. 7:30-32 Ji '66.
- Distribution of freight installations on sorting stations. V. P. Laroshevich. Zhel. dor. transp. 48 no. 10:36-38 O '66.
- How to improve technical standardization of service. I. M. Morozovskii. Zhel. dor. transp. 48 no. 10:26-30 O '66.
- Improving transport and expediting service. G. M. Misyagina. Zhel. dor. transp. 48 no. 10:32 O '66.
- Mechanized distances increase freight processing. P. P. Gorban', M. I. Melik-Guseinov. Zhel. dor. transp. 48 no. 10:30-31 O '66.
- Organization of local work in a section. M. L. Vysotskii. Zhel. dor. transp. 48 no. 11:12-14 N '66.
- Unused possibilities of mechanizing loading and unloading operations. V. P. Mudrov. Zhel. dor. transp. 48 no. 7:23-27 Ji '66.

## LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

- Motor loader with a jaw grab. N. T. Goncharenko. Shod. dor. mash. 8 no. 01:1-14 Ag '63.

## LOADING AND UNLOADING—MECHANIZATION

- Exchange of experience in freight work mechanization. Zhel. dor. transp. 48 no. 10:81-82 O '66.
- High-efficiency machines for loading and unloading operations. F. A. Pindis. Zhel. dor. transp. 48 no. 10:5-10 O '66.

## LOAM SOILS

(see also subdivision under Tomsk Province)

- Some data on laboratory research on the sorption capacity of loams. M. I. Bedusenko. Vod. kan., gidr., geom. no. 1:139-146 '66.

## LOCAL TRANSIT

- Cities need new type of public rapid transit. G. Dolonov, A. Afonina. Arkhi. SSSR no. 12:46-52 '66.

## LOCATION OF INDUSTRIES see Industries, Location of

## LOCOMOTIVE ENGINEERS

- Handling of electric train by one engine driver. V. I. Sergeev. Zhel. dor. transp. 48 no. 11:74-75 N '66.

## LOCOMOTIVES

- Using autonomous-type traction on non-electrified suburban sections (to be concluded). N. I. Beshcheva. Zhel. dor. transp. 48 no. 11:22-26 N '66.

## LOCOMOTIVES—DESIGN AND CONSTRUCTION

- Handling a locomotive without the assistant engine driver. Zhel. dor. transp. 48 no. 7:88 Ji '66.

## LOCOMOTIVES—MAINTENANCE AND REPAIR

- Raising locomotive efficiency. Zhel. dor. transp. 48 no. 7:83-84 Ji '66.

## LOCOMOTIVES—PERFORMANCE

- Locomotive performance capacity is increasing. A. V. Okhromchik. Zhel. dor. transp. 48 no. 10:15-19 O '66.

## LOCUSTS—EXTERMINATION see subdivision under Tajikistan; Turkmenistan

## LODZIEVSKII, ISAAK GRIGOR'EVICH, 1905-1968

Isaak Grigor'evich Lodzhevskii obituary. Geol. nefit. i gaza 10 no. 11:64 N '66.

## LOESS

(see also subdivision under Angara Valley, Ukraine; White Russia)

Proizvodstvennyi i nauchno-issledovatel'skii institut po izucheniyu lyssaniam v stroitel'stve. [Loess of the U.S.S.R.] Lessovyye porody SSSR. Moskva, Nauka, 1966. 234 p.

V. A. Obuchev's letters on loess. M. I. Lomonovich. Izv. AN Kazakh SSR Ser. geol. nauk. no. 6:10-17 '63.

## LOGGING (GEOLOGY)

- Table of values of the function  $\Gamma(\tau, \rho_0)$  for theoretical calculations on gamma logging. A. G. Abazov. Zap. LGI 50 no. 2:69-73 '66.
- Theory of electric logging probes. S. I. Vesenchuk. Nauch. zap. LPI no. 8:3-20 '62.

## LOGIC

- Deontic logic. A. A. Ivina. Vop. filos. 20 no. 12:160-171 '66.

## LOGICAL POSITIVISM

- Two stages in the development of Ludwig Wittgenstein's subjective idealism. V. V. Pichashkov. Vest. Mosk. univ. Ser. B. Filos. 21 no. 3:73-83 My-Je '66.

## LOKHVITSKA (POLTAVA PROVINCE)—DISTILLING INDUSTRIES

- Results of the work of the Lohvitsa Distilling Combine during 1961 and its immediate tasks. I. V. Vasil'ev. Spirt. prom. 28 no. 4:14 '62.

## LOMONOSOV CURRENT

- History of discovery on equator of Atlantic Ocean of powerful subsurface current named for great Russian scientist, M. V. Lomonosov. G. P. Ponomarenko. Trudy Mor. gidrofiz. inst. AN URSSR 37:131-140 '66.

## LONGEVITY

- Busygina, N. A. [Secret of longevity]. Sekret dolgozhenosti, Perm', Pormskoe knizhnoe izd-vo, 1966. 38 p. [MICROFILM]

## LONGSHOREMEN see subdivision under Kazan

## LOOMS

- New method of fastening the picker stick to the shoe on automatic looms. P. S. Tishin. Tekst. prom. 26 no. 12:31-32 D '66.

- Some methods of improving the quality of a fabric during weaving on a loom with a side vest fork. I. P. Blinov. Izv. vys. ucheb. zav. tekhn. tekst. prom. no. 5:90-94 '66.
- Starting the loom from the picking position. V. K. Gaid'kov. Izv. vys. ucheb. zav. tekhn. tekst. prom. no. 5:70-76 '66.

## LOOMS—EXHIBITIONS see subdivision under Great Britain, Switzerland

## LOONS—PARASITES see Parasites—Loons

## LORI PLATEAU—CLOVER—FERTILIZERS AND MANURES

- Problems of fertilizers for clover. G. B. Babalon, S. A. Korngulian. Soob. Lab. agroklim. AN Az. SSR no. 4:63-70 '61.

## LOTUS

- Seed production of lotus species. S. V. Afrikian. Rast. res. 2 no. 4:549-556 '66.

## LOVE LETTERS

- Love letters of the clerk Arefa Matavinskii. N. P. Pankratova. Trudy ODRL 18:364-369 '62.

## LOW TEMPERATURE RESEARCH—CONGRESSES

- Problems in low temperature physics; international conference in Moscow. N. B. Brannit, I. A. Pomin. Vest. AN SSSR 36 no. 12:40-44 D '66.

## LOW TEMPERATURES

- Normal component density of concentrated helium isotope solutions. V. N. Grigor'ev and others. Zhur. eksp. i teor. fiz. 51 no. 4:1059-1063 O '66.

## LUBRICATION AND LUBRICANTS

- Adsorption purification of lubricants with recirculation of the desorbed lubricant. T. M. Bagir-Zade and others. Azerb. nefit. khoz. 42 no. 5:35-37 My '63.

- Dovzhik, O. I., and V. B. Ratinov. [Efficient lubricants for forms in the production of precast reinforced concrete] Effektivnye smazki dlia form v proizvodstve sbornogo zhelezobetona. Moskva, Stroiizdat, 1966. 137 p.

- Effect of free alkalies and acids on the structure and properties of hydrated calcium-thickened greases. I. L. Ishchuk, V. V. Sintsev, V. A. Prokopcuk. Dokl. AN SSSR 171 no. 5:1145-1147 D '66.

- Lubrication as a field of research. B. Vasil'ev. Izobr. i rate, no. 12:5-6 '66.

Polyviskoprozheniya na antifrictional and antistatic additive to petroleum lubricant oils. G. V. Vinogradov, N. S. Narnet-Fin, M. I. Nosov. Neftekhimiya 3 no. 5:792-798 S-O '63.

Redesigning automatic lubricators of mine hoisting machines. A. I. Borokhovich, I. N. Latspov. Gor. zhur. no. 12:66 D '66.

Study of the bond of concrete with the surface of molds, and choosing mold lubricants. R. N. Matseinskii, I. M. Linn'kov. Trudy NIIZHR no. 30:112-162 '61.

Vainshtok, V. V., ed. [Lubricating greases] Konsistentnye smazki. [By] D. S. Velikovskii et al. Moskva, Khimiya, 1966. 255 p.

## LUBRICATION AND LUBRICANTS—ADDITIVES

- Possibility of the use of tetramethylthiophenol as an additive to lubricating oils. I. A. M. Shcheglov, S. G. Rozenberg. Khim. i tekhn. i masel. 11 no. 11:47-49 N '66.

## LUGANSK—BAKERIES—EQUIPMENT AND SUPPLIES

Tsentral'nyi institut nauchno-tekhnicheskoi informatsii pishchevo i promyshlennosti. [Advanced work practices in the Lugansk Bakery No. 2]. Peredovoi opyt raboty Luganskogo khlebozavoda No. 2. [By] I. M. Panastuk et al. Moskva, 1965. 10 p.

[MICROFILM]

## LUGANSK—WOOLEN AND WORSTED MANUFACTURE—EQUIPMENT AND SUPPLIES

- Modernization of equipment in the Lugansk Woollen and Worsted Combine. S. M. Katsnel'son, M. I. Kremenchukiy. Loh. prom. no. 2:38-43 Ap-Je '62.

## LUGANSK PROVINCE—COAL MINES AND MINING—ACCIDENTS

- Dynamics of industrial traumatism in coal enterprises of the Lugansk Province and measures for reducing it. A. A. Kravchenko. Travmatologiya no. 1:9-15 '65.

## LUGANSK PROVINCE—COAL MINES AND MINING—SAFETY MEASURES

- Dynamics of industrial traumatism in coal enterprises of the Lugansk Province and measures for reducing it. A. A. Kravchenko. Travmatologiya no. 1:9-15 '65.

## LUGANSK PROVINCE—SAND

- Sand vegetation of Lugansk Province and its significance for the binding of sands. A. H. Konstantinova. Ukr. bot. zhur. 20 no. 1:73-78 '63.

## LUGANSK PROVINCE—SOIL BINDING

- Sand vegetation of Lugansk Province and its significance for the binding of sands. A. H. Konstantinova. Ukr. bot. zhur. 20 no. 1:73-78 '63.

## LUGANSK PROVINCE—SUNFLOWERS

- Sunflower in crop rotation. I. Ivashkin, V. Kadoshnikov. Zemledelie 38 no. 11:26-27 N '66.

## LUGANSK PROVINCE—WAGES—MACHINERY INDUSTRY

- Where was Comrade Korablev wrong? V. Khokhlov. Agitator 31 no. 23:16-18 D '66.

## LUGOVSKOI, INNOKENTII STEPANOVICH, 1904-

- Innokentii Lugovskoi. L. Kharbekov. V mne kulg. 6 no. 12:26-27 D '66.

## LUMBER

- New developments in reworking wood. Sel. stroi. 16 no. 11:17-18 N '61.

## LUMBER—DRYING

- High-temperature drying chamber. M. V. Rakhov, V. V. Miasnikov. Transp. stroi. 11 no. 11:45 N '61.

## LUMBER—TRANSPORTATION

- Complete mechanization of operations on landing and lifting grounds and cleaning of roadsides. O. P. Khalkin. Bum. prom. 37 no. 4:10-11 Ap '62.

- Improve the organization of combined railroad and waterway transportation of timber cargoes. V. Moshkin. IU. Aksekov. Rech. transp. 25 no. 12:11-12 '66.

- Some characteristics of traction calculations for a timber skidding tractor. S. P. Zorin. Trakt. i sel'khozmash. no. 12:10-11 D '66.

## LUMBERING

(see also subdivision under Khatanga Autonomous Province; Valdai Hills)

- Pobedinskii, A. V. [Organization of tree felling in cuttings with young growth] Organizatsia lesosechnykh rabot na lesoskakh s podrostom. [Moskva] Vses. nauchno-issl. i lesosovetskii i mekhanizatsii lesnogo khoziaistva, 1956. 18 p.

## LUMBERING—ACCOUNTING

- Gletov, V. V. [Accounting for related production and interchangeability in calculating the economic efficiency of manufacturing lumbering industry products] Uchet smeznykh proizvodstv i vzaimozamenimosti pri raschete ekonomicheskoi effektivnosti izgotovleniya produktov lesnoi promyshlennosti. Moskva, TSentr. nauchno-issl. i informatsii i tekhniko-ekon. issledovaniy po lesnoi, ispol'zovano-bumazhnoi, derevobrabatvyvushchei promyshl. i lesnomu khoz., 1965. 47 p. (Lesoskaphuizatsia)

[MICROFILM]



**LYMPHATICS (Continued)**  
 Anatomy of the lymphatic and blood vessels and capillaries of the wall of the human rectum. S. Abdykeimov. Arkh anat., gist. i embri. 11 no 3 48-61 Mh '63.

**Dynamics of changes in the intragastric lymphatic system of the canine stomach in experimental ulcer.** N. A. Krotkova. Arkh anat., gist. i embri. 11 no 3 109-111 Mh '63.

**Effect of physical stress on collateral lymphatic ducts.** M. G. Privess. Arkh anat., gist. i embri. 11 no 3 103-107 Mh '63.

**Effect of regional lymph nodes on the state of a skin homotransplant.** I. D. Kirpatovskii. N. A. Rykova. Trudy I-go VMI. 49-9-18 '66.

**Examination of the endothelium of the lymphatic capillaries and vessels of the rabbit diaphragm.** G. G. Aminova. Arkh anat., gist. i embri. 44 no 3 81-90 Mh '63.

**Lymphatic capillaries and vessels in the treatment of tumors.** M. Bittedzall. I. Donini. I'ksp. i klin. i med. 2 no 6 28-31 N-D '63.

**Intragastric lymphatic system of the human penis.** B. A. Zglin. Arkh anat., gist. i embri. 44 no 3 68-70 Mh '63.

**Local characteristics of the lymphatic and blood vessels of the jejunum and ileum in man.** A. Kukharov. Arkh anat., gist. i embri. 44 no 3 128-17 Mh '63.

**Lymphatic capillaries and vessels in the milk spots of the greater omentum of man.** A. V. Borisov. Arkh anat., gist. i embri. 44 no 3 115-120 Mh '63.

**Nidostones in the evolution and homology of lymph nodes in the human abdominal cavity.** M. S. Spivov. Arkh anat., gist. i embri. 44 no 3 91-102 Mh '63.

**Scientific legacy of G. M. Iosifov and problems in the development of anatomy of the lymphatic system.** D. A. Zhdanov. Arkh anat., gist. i embri. 44 no 3 3-18 Mh '63.

**Structure of perineural spaces and ducts abducting lymph from the cerebri spinal nerves.** N. A. Kuchimov. Arkh anat., gist. i embri. 44 no 3 121-128 Mh '63.

**Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting.** Report No. 1. Study of the duration of taking of skin homotransplants, dynamics of humoral antibodies and reactions of lymphoid tissue. M. V. Bilenko and others. Trudy I-go VMI. 49-35-40 '66.

#### LYMPHATICS—CANCER

**Development of methodology for using ionizing radiations in the general complex of the operative measures for preventing and treating relapses and metastases of lymph node cancer.** L. I. Shchurhenko, P. Ia. Nikitsov. Klin. onk. no. 3:20-33 '65.

**Lymphogonit metastasis and its significance for rational planning of the treatment of breast cancer.** S. A. Kholidin, L. I. Dymarskii. Vop. onk. 9 no. 3:96-102 '63.

**Technique of the radiologist in treating metastases in the lymphatic glands in tumors of the head and neck.** M. A. Volkova. Med. rad. 7 no. 8:32-37 Ag '62.

#### LYMPHATICS—RADIOGRAPHY

**Structure of lymph nodes in experimental X-ray picture.** I. D. Bogatina. Trudy Novokuz. GIDUVA. 32 39-41 '65.

#### LYMPHOCYTES

**Effect of anoxia during and after irradiation on radiation damage of lymphocytes.** I. B. Smirnov. Radiobiologiya. 6 no 6:826-832 '66.

#### LYMPHOID TISSUE

**Effect of cytotoxic antilymphatic serum on the cellular composition of lymph nodes.** E. M. Kiselevskii. Pat. fiziol. i eksp. terap. no. 3:49-53 '64.

#### LYMPHOMA

**Aerobic glycolysis and Crabtree effect on NK/ly lymphoma cells.** M. I. Fedrenko. Dop. AN URSR no 11:448-1501 '66.

#### LYOPHILIZATION

**Lymphophilic drying of a thrombocyte mass.** G. Ia. Rozenberg and others. Probl. gemat. i perel. krovi. 8 no. 3:12-46 Mh '63.

**Simple method of preserving transplantable cells by freezing.** V. I. Marchenko, S. N. Rudneva, L. N. Pokidysheva. Vop. virus. 11 no 8:751-753 N-D '66.

#### LYSERGIC ACID

**Effect of d-lysergic acid diethylamide on higher nervous activity in monkeys.** N. I. Lagutina and others. Zhur. vys. nerv. deint. 13 no. 4:638-645 Ji-Ag '63.

#### LYSINE

**Biochemical characteristics of L-lysine concentrate.** S. I. Auzan, R. F. Plainiece. Prikl. biokhim. i mikrobiol. 2 no 6:732-734 N-D '66.

**Effect of nutrient medium components on lysine biosynthesis by Brevibacterium 22 culture.** L. S. Kutsaeva, N. M. Kliueva. Prikl. biokhim. i mikrobiol. 3 no. 6:728-731 N-D '66.

**Effect of raw material quality on L-lysine biosynthesis by M. glutamicus homoserine strain 95.** S. I. Alkhanian and others. Prikl. biokhim. i mikrobiol. 2 no 6:655-660 N-D '66.

#### MABILLON, JEAN, 1632-1707

Unknown letters of Mabillon. I. G. Katushkina. Sred. veka no 20:26-288 '66.

#### MacARTHUR, DOUGLAS, 1880-1964

The reminiscences of MacArthur. B. G. Sapozhnikov, V. B. Volontsev. Vop. ist. 11 no 12 66-81 D '64.

#### MACEDONIA—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

History of the organs of the people's-democratic regime in the Macedonian part of the Vardar Valley, 1941-August 1941. I. Janu. Vop. ist. slav. no 2 208-220 '66.

#### MACHINE ACCOUNTING

Centralization of accounting for labor and wages. Ia. Zinovinev, M. Rozenberg. Bukh. uch. no. 11:30-12 N '66.

Centralization of accounting in communications enterprises. P. Stobozhanskii. Bukh. uch. no. 11:15-17 N '66.

Centralization of accounting in synthetic fiber enterprises. A. Samsonov. Bukh. uch. no. 11:17-20 N '66.

Centralized accounting offices in trade. A. Iamyshtko, I. Dufolzhetskii. Bukh. uch. no. 11:7-15 N '66.

Processing of telegraphic reports on the gross output at the Central Computing Station of the Central Statistical Association of the U. S. S. R. V. Blagov, A. Ivanov. Vest. stat. no 12 33-39 '66.

#### MACHINE ACCOUNTING—CONGRESSES

Conference on the work problems of district and city computing centers of the Central Statistical Administration of the U. S. S. R. N. Fretlianov. Vest. stat. no. 12 65-71 '66.

#### MACHINE MOLDING (FOUNDING)

Automatic mold conveyor made by the Kunkel-Wagner firm and mixer made by the Jungerath firm. G. M. Gaflov. Lit. proizv. no. 11:1-13 N '63.

Chill mold machine for the casting of cylindrical grinding mill pulleys. F. A. Litmanov. Lit. proizv. no. 11:39-40 N '63.

Cost of manufacturing and pieces of molding machines. A. M. Molin, N. T. Romanovskii. Lit. proizv. no. 11:18-21 N '63.

Improving the technology of casting car brake shoes. I. P. Nedosek. Lit. proizv. no. 11:41-12 N '63.

Machines for shaking out molds. M. T. Dubinskii. Lit. proizv. no. 11:43-48 N '63.

Mechanization of mold filling with remote control. Ia. M. Ryvkis. Lit. proizv. no. 12:14-15 D '66.

Mechanization of the removal of flasks with hooks of precision casting molds from heat treating furnaces. A. F. Patsenik. Lit. proizv. no. 11:41 N '63.

#### MACHINE MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES

Founding machine with a device for the opening of chills. K. F. Rogozhin. Lit. proizv. no. 11:39 N '63.

#### MACHINE PARTS—DESIGN AND CONSTRUCTION

**Rizhskii politekhnicheskii institut. Kafedra organizatsii i ekonomiki proizvodstva.** [Economic efficiency of improving articles] Ekonomicheskaya effektivnost' soveshchestvovaniia izdelii [By] L. I. Gannat-Kurek. Izh. Riga, 1966. 60 p.

#### MACHINE PARTS—MAINTENANCE AND REPAIR

**Sterebogen, Iu. A., F. V. Khorunov, and M. Ia. Giletskii.** [Welding and build-up welding of cast iron.] Svarka i naplavka chuguna. Kiev, Naukova dumka, 1966. 210 p.

#### MACHINE PARTS—TESTING

Machine for investigating the effect of phase shift on the durability of parts. G. V. Shechepkin. Vest. mashinost. 46 no. 12 12-43 D '66.

#### MACHINE-SHOP PRACTICE

Overall mechanization of fitting operations in ship repair. V. P. Mardenski. Trudy LVT no 62 5-10 '66.

#### MACHINE-SHOP PRACTICE—HANDBOOKS, MANUALS, ETC.

**Krupskii, E. I.** [Handbook for the young fitter.] Spravochnik molodogo stesaria. Moskva, Vysshiaia shkola, 1966. 311 p.

#### MACHINE THEORY

Classification and statistical check of hypotheses. Iu. P. Leonov. Avtom. i telem. no. 12:81-87 '66.

Construction of elastic asynchronous sequential machines using standard cells. A. A. Tsai. Avtom. i telem. no. 12:94-111 '66.

Information model of nonreliable combinational networks. Iu. D. Ivas'kiv, O. M. Itskun. Kibernetika no. 6:1-146 N-D '66.

Language of pseudoregular expressions. B. G. Mitkin. Kibernetika no. 6:8-11 N-D '66.

Optimal selection of parameters for controlling systems with complex queuing sequence. O. G. Alekseev, V. G. Storozelev. Avtom. i telem. no. 11:107-114 '66.

Selection of input components of a finite automaton. L. S. L'vovskii. Avtom. i telem. no. 12:88-93 '66.

Some properties of a set of automatic experiments. M. A. Spil'at. Kibernetika no 6:1-7 N-D '66.

#### MACHINE THEORY—CONGRESSES

Seminar held in Moscow by several branches of industry on problems of increasing the potentials of automation. I. B. Machuk. Avtom. i telem. no. 11:181-182 '66.

#### MACHINE-TOOL INDUSTRY—MANAGEMENT

(see also subdivision under Ukraine)

In the Ministry of the Machine-Tool and Metal-Cutting Tool Industry. Vest. mashinost. 16 no 12 80 D '66.

The technical, industrial, and financial plan in the conditions of the new system of planning. A. Busko. Plan. khoz. 13 no 1 58-65 Ji '67.

#### MACHINE-TOOL INDUSTRY WORKERS—EDUCATION AND TRAINING

see subdivision under Koltunna

#### MACHINE TOOLS

Branches for machining rollers of insert and semi-insert bits. V. S. Gombey. Mash. i elekt. obr. no 9-22-21 '66.

**Volchkevich, L. I.** [Machine-tool units and automatic lines; methods manual for teachers of technical schools.] Agregativnye stanki i avtomaticheskie lini; metodicheskoe posobie dlia prepodavatelei tekhnikumov. Moskva, Uchebno-metodicheskii kabinet Mosgorsovnarkhiza, 1965. 58 p. [MICROFILM]

#### MACHINE TOOLS—EXHIBITIONS

**Sheptsov, V. I., M. V. Kalinkov, and K. F. Romanov.** [Machine tools and metal-cutting tools at the Leningrad Fair in March 1965.] Metallovozhishchie stanki i instrumenty na pokazanii v Leningradskoi tsel'noy izbi. Moskva, NIMash, 1965. 84 p. (Series S-1: Stanokostroenie)

#### MACHINE TOOLS—NUMERICAL CONTROL

Advanced method for the installation of control boards on machine tools. I. P. Demidov, B. G. Vol'govol'skii. Prom. B. 9 no 12 22 D '66.

**Puining, J. A.** [Fundamentals of electric driving and electric control of machine tools.] Metallogizmas dazigadu elektropiedzina un elekt. automaika, pamall, 21, parstardatals un papildinatals izdevums. Riga, Liesma, 1966. 173 p. [In Latvian]

#### MACHINE-TRACTOR STATIONS

see subdivision under Chivashla

#### MACHINERY—DESIGN AND CONSTRUCTION

**Belov, I. M., and V. G. Mikhailov.** [Solution of practical problems in designing machinery.] Reshenie prakticheskikh zadach pri konstruirovanii mashin. Moskva, Mosk. tekhnologicheskii in-t, 1965. 473 p.

Calculation and design of gearboxes for automatic spring coiling machines. A. I. Kiylov. [Nauch. study] ENIK. Mash. no. 11 113-150 '66.

Design of the body parts of machinery. A. L. Khushevska. Shoi. nauch. iad. Bel. politekh. inst. no 79, 39-95 '59.

**Trushkin, V. P.** [Error? or How to prevent it; an aid to the young designer.] Oshibki? Kak ee predotvratit', y pomoshchi' molodomu konstrukturu. [Moskva] Mosk. inzh. in-t, 1966. 107 p.

#### MACHINERY—FOUNDATIONS

Study of free vibrations of solid foundations under machines. M. I. Zabylin. Izv. vyz. ucheb. zav., fiziol. i arkhit. 9 no. 9:17-20 '66.

#### MACHINERY—RELIABILITY

Economic problems of improving the reliability of equipment. A. P. Vavilov. Uch. zap. Kaf. nov. ukon. Vys. part. shkoly no 3 50-70 '64.

General problems of the reliability of machinery. It. V. Kugel'. Stroitel. mash. 8 no. 8:2-4 Ag '63.

#### MACHINERY, AUTOMATIC

From Cato to electronics. O. Krasavin. V mite knizh. 6 no 12 20 D '66.

**Volchkevich, L. I.** [Machine-tool units and automatic lines; methods manual for teachers of technical schools.] Agregativnye stanki i avtomaticheskie lini; metodicheskoe posobie dlia prepodavatelei tekhnikumov. Moskva, Uchebno-metodicheskii kabinet Mosgorsovnarkhiza, 1965. 58 p. [MICROFILM]

#### MACHINERY INDUSTRY

(see also subdivision under Moldavia; Moscow, Novosibirsk)

The economy in the center of attention of the party committees. R. Kozlov. Agitator. 34 no. 23 28-30 D '66.

**Prokhorov, G. A.** [Isotopes in the machinery industry.] Izotopy v mashinostroenii. [Perm] Permskoe knizhnoe izd-vo, 1963. 38 p. (Molodomu mashinostroitelu)

#### MACHINERY INDUSTRY—ACCOUNTING

Problems of improving business accounting. I. Zaikin. Plan. khoz. 43 no 1 38-42 Ja '67.

**Sergeev, M. A.** [Organization of business accounting in a machinery manufacturing enterprise.] Organizatsiia khoznaislennogo rascheta na mashinostroitel'nom predpriatii. Moskva, Mashinostroenie, 1960. 227 p.



**MACHINERY INDUSTRY—AUDITING AND INSPECTION**  
Vasil'ev, G.A. [Economic efficiency of automatic lines in machinery manufacturing] Ekonomicheskiy effektivnost' avtomaticheskikh liniy v mashinostroyeni, Moscow, Mashinostroyeniye, 1966. 115 p.

**MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES**  
(see also subdivision under Moldavia, West Siberian Economic Region)

Bartosh, N. T. [Industrial containers and their use in the machinery industry] Proizvodstvennaya tara i ee primeneniye v mashinostroyeni Leningrad, 1966. 35 p. (Leningradskiy dom nauchno-tekhnicheskoy promyshlennosti) Seriya Mekhanizatsiya i avtomatizatsiya transportnykh i skladnykh zabor v promyshlennosti

1. List of brands of metal for the machinery industry I. Gol'tenberg. Izv. vuzov no. 11 46-47 '63

**MACHINERY INDUSTRY—MANAGEMENT**  
(see also subdivision under Latvia, Leningrad, Novosibirsk, Podolsk, Moscow Province, Ukraine) Erlikov, S. I. [The new conditions. B. Mikhayev, L. V. Mikhayev, Sots. trud II no. 12 22-42 D '66]

In miniature and experiments Sots. trud II no. 12 137-138 D '66

In the use of the volume of production and their significance in the utilization of internal potentials F. Sh. Shabatov. Izv. vuzov no. 11 46-47 '63

Organization of the inspection in the machinery industry abroad M. I. Mikhayev. Izv. vuzov no. 6 57-66 D '62

Scientific labor organization in an industrial enterprise Organization of the maintenance of workers' station Sots. trud II no. 12 67-76 D '66

Some problems in the specialization of production in the machinery industry L. V. Piskunov. Vest. mashinostroyeniya 46 no. 12 11-12 D '66

Urgent objectives of the machinery industry in the new five-year plan S. I. Semina. Vest. mashinostroyeniya 46 no. 12 3-8 D '66

**MACHINERY INDUSTRY—PRODUCTION STANDARDS**  
Provide substantiated norms for all types of work. L. Shapiro. Sots. trud II no. 12 97-106 D '66

**MACHINERY INDUSTRY—QUALITY CONTROL**  
Economics and quality of machinery. I. U. Borodina. Voprosy no. 12 133-143 D '66

**MACHINERY INDUSTRY—RELIABILITY** see subdivision under White Russia

**MACHINERY INDUSTRY—STATISTICS**  
[Export of machinery and equipment by developed capitalist countries, a statistical manual] Eksport mashin i oborudovaniya razvityimi kapitalisticheskimi stranami, statisticheskiy spravochnik Moscow, 1966. 583 p. (Bulletin inostrannoy kommercheskoy informatsii, proizhenie, no. 12)

**MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
Soviet inventions in the machinery industry. Vest. mashinostroyeniya 46 no. 12 81 D '66.

**MACHINERY INDUSTRY WORKERS** see subdivision under Sverdlovsk

**MACHINERY INDUSTRY WORKERS—EDUCATION AND TRAINING** see subdivision under Leningrad Province

**MACROGLOBULES**  
Clinical picture of Waldenstrom's macroglobulinemia V. K. Polenko, M. V. Orlov, V. V. Rutkovskiy. Sov. med. 26 no. 5 127-131 M '63

**MACROMOLECULAR COMPOUNDS**  
Akademika nauk USSR. [Synthesis and physical chemistry of polymers] Sintez i fiziko-khimiya polimerov, Kiev, Naukova dumka, 1966. 165 p. (Respublikanskiy mezhdunarodnyy sbornik. Seriya "Sintez i issledovaniye polimerov")

Composition of gases obtained in the high-speed pyrolysis of some high molecular weight substances I. F. Bogdanov, M. L. Mischenko, I. L. Faibarov. Izv. vuzov no. 12 29-33 '62

Concentration dependence of the size of polymer coils in poor solvents V. E. Eshkin, A. E. Nesterov, Koll. zhur. 28 no. 6 904-909 N-D '66

Hydrodynamics of polymer solutions. Part 5: Intrinsic viscosity of semirigid macromolecules. I. U. E. Eshkin, O. B. Pilsyn. Vysokom. soed. 4 no. 11 1725-1731 N '62.

Macrocyclic compounds. Part 5: Directional inner-molecular cyclization of  $\alpha,\omega$ -acetylene derivatives E. P. Zinkevich, I. K. Sarycheva, N. A. Prokhorovskiy. Zhur. org. khim. 2 no. 11 2021-2025 N '66

Macrocyclic compounds. Part 6: Synthesis of macrocyclic ketones E. P. Zinkevich, I. K. Sarycheva, N. A. Prokhorovskiy. Zhur. org. khim. 2 no. 11 2026-2028 N '66.

Preparation and properties of ethylene-propylene-acetylene copolymers E. E. Matkovskiy and others. Vysokom. soed. 8 no. 10 1712-1716 O '66.

Shui, A. M. [Macromolecular compounds] Vysokomolekulyarnyye soedineniya. Moscow, Vysshaya shkola, 1966. 502 p.

Use of acetylene as raw material for the production of high molecular compound E. P. Babits, B. O. Rukhovich. Khim. prom. [Ukr.] no. 3 31-36 JI-S '62

**MADDER**

3-Parapropylpencarboxylic acid in Rubia tinctorum L. stems. V. I. Krivitskiy, L. V. Kislova. Izv. AN Turk. SSR Ser. fiz.-khem. i geol. nauk no. 1 114-116 '62

**MAGNESIUM-ALUMINUM ALLOYS** see Aluminum-magnesium alloys

**MAGNESIUM-COBALT-NICKEL ALLOYS**

Crystal structure of the compound  $MgCoNi$  P. L. Krivitskiy. Dop. AN USSR no. 11 1460-1463 '62.

**MAGNESIUM COMPOUNDS**

Change of short-range order structure in melts formed by magnesium compounds with group IV elements on heating V. M. Glazov, N. N. Givagova, L. A. Romanovskiy. Izv. AN SSSR Neorg. mat. 2 no. 11 1953-1956 N '66

Oxidation of succinate in the structural elements of Micrococcus lysodeikticus in relation to deoxyribonucleic acid and magnesium ions M. A. Fokanov, N. S. Gel'man, A. I. Opatin. Biokhimiya 28 no. 2 334-339 M '66

**MAGNESIUM OXIDE**  
Effect of magnesium oxide on phase constitution and structure of aluminum-silicate slags V. S. Mal'kov, D. N. Abishev, A. K. Mikhaylov. Izv. vuzov no. 11 152-161 '66

**MAGNESIUM OXIDE—ELECTRIC PROPERTIES**  
Some special features of field dependent shot-through secondary electron emission N. L. Anisimovskiy, A. P. Balashov, N. S. Lozhkina. Radiotekhnika i elektronika 11 no. 12 2259-2260 D '66

**MAGNESIUM SALTS**  
Triangular diagram of the marine-type quaternary system. I. U. M. Alaberdiev. Izv. AN Turk. SSR. Ser. fiz.-khem. i geol. nauk no. 4 119-121 '62

**MAGNESIUM SILICATE** see subdivision under Karaimazar Mountains

**MAGNESIUM SULFATE—PHYSIOLOGICAL EFFECT**  
Effect of calcium chloride and magnesium sulfate on the rate of ligo-motility S. V. Ostrova. Biol. eksp. i med. 55 no. 5 82-84 M '63

**MAGNESIUM SULFATE CRYSTALS—GROWTH**  
Relationship between right-hand and left-hand forms of  $MgSO_4 \cdot 7 H_2O$  crystals grown from aqueous solutions. E. D. Rogacheva, A. V. Belitskiy, Rost. khim. 5, 7 33-236 '65

**MAGNESIUM-TIN-GERMANIUM ALLOYS**  
System  $Mg_2Sn - Mg_2Ge$ . E. S. Makarov and others. Izv. AN SSSR Neorg. mat. 2 no. 12 2116-2119 D '66

**MAGNETIC AMPLIFIERS**  
Transient processes and self-oscillations in d.c. magnetic amplifiers with self-saturation and active capacitive load. I. B. Negnevitskiy. Teor. elektrotekh. no. 1 67-76 '66.

**MAGNETIC ANOMALIES**  
Applying harmonic analysis in studying magnetic anomalies M. M. Ivanov, M. A. Efendieva. Geomag. i aer. 6 no. 6 1135-1137 N-D '66.

**MAGNETIC CIRCUITS**  
Approximate calculation of electromagnetic sheave-type separators K. I. Vashchenko and others. Elektrotekhnika 37 no. 12 40-50 D '66

Calculation of unit slot conductance of the magnetic wedge of an induction motor. O. D. Gol'dberg, F. K. Makarov, L. P. Tsvetova. Elektrotekhnika 37 no. 12 14-17 D '66

Magnetic field of a stator in the air gap of a synchronous salient-pole machine N. D. Monushko. Izv. vuzov, ucheb. zav. elektrotekh. 9 no. 11 1237-1245 '66.

Parameters of ribbon cores remagnetized by an a.c. source with rectangular wave form P. L. Aleksandrov. Elektrotekhnika 37 no. 12 36-38 D '66.

Ring ferrite core as a circuit element of a pulse transformer. I. P. Ionov, A. I. Pirogov, I. U. M. Shamaev. Teor. elektrotekh. no. 1 148-153 '66.

**MAGNETIC FIELDS**  
Analysis of spatial distribution of magnetic field as method of studying subsurface structure of earth's crust. G. I. Kruglikova. Blud. MOIP, Otd. geol. 41 no. 1 146-147 JI-Ag '66.

Azimuthal drift of charged particles in axially symmetric magnetic field with mirrors V. M. Babanov, N. N. Semashko. Atom. energ. 21 no. 6 500-501 D '66

Calculation of the internal diamagnetic field in atoms V. S. Korol'kov. Dokl. AN SSSR 6 no. 6 967-969 JI '62

Cyclotron resonance in inclined magnetic field. M. A. Azbel', V. G. Panchinskii. Fiz. vuzov, ucheb. i teoret. fiz. 5 no. 1 26-29 JI '67

Cyclotron waves in inclined plasma in presence of strong "collateral" dispersion I. A. Berezin, R. Kh. Kaitumaliev. Fiz. gori i plazmy no. 3 11-16 '66

Effect on escape in magnetic fields and volt-ampere characteristics I. B. Levinson. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 1 26-29 JI '67

Extensive photoconductivity of n-type in strong magnetic fields T. M. Lifshits, I. A. Nad' I. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 1 26-29 JI '67

Fluctuation-dissipation ratio for nonequilibrium systems O. H. Sytenko. Usp. fiz. nauk 11 no. 11 1161-1166 JI '65

Galvanomagnetic properties of molybdenum crystals in large effective fields V. I. Stashev, N. V. Volkovskiy, N. A. Novoselov. Zhur. eksp. i teoret. fiz. 51 no. 4 1311-1316 N '66

Kinetic theory of stratified plasma wave guide in strong magnetic field A. N. Kondratenko. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 1 1065-1072 '66

Magnetic properties of  $MnCrO_2$  in strong magnetic fields I. A. Zavadskiy, I. G. Pakidov. Zhur. eksp. i teoret. fiz. 51 no. 4 1317-1320 N '66

Radial focusing of electrons by transaxial alternating magnetic fields. P. L. Sydenko. Usp. fiz. nauk 11 no. 11 1231-1234 N '66.

Significance of epigenetic curves for interpretation of spatial distribution of geomagnetic field V. V. Kruglikov, G. I. Kruglikova. Sov. geol. 9 no. 11, 68-77 N '66

Some effects due to the diamagnetism of a superconductor in solenoid winding V. F. Tsvetkovskiy. Dokl. AN SSSR 171 no. 5 1081-1087 D '66.

Studying magnetic characteristics of two-band superconductors in vicinity of upper critical field V. A. Mikhaylenko. Zhur. eksp. i teoret. fiz. 51 no. 4 1173-1175 JI '66

Thermoelectricity in semiconductors in strong magnetic fields. R. G. Tarhantsev. Izv. AN Arm. SSR. Fiz. 1 no. 2 66-74 '66.

Using method of thermoelectric measurement in strong magnetic fields in studying nonuniform shape of 1s-1s valence band E. N. Dubovskiy and others. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 1 2247-2248 JI '66

Using the electromagnet method in the excitation of standing sound waves in H<sub>2</sub> V. F. Gantmakher, V. I. Dolgoplov. Fiz. vuzov, ucheb. i teoret. fiz. 5 no. 1 17-20 JI '67.

**MAGNETIC FIELDS—MEASUREMENT**  
Analysis of measuring errors with TSM-3 apparatus A. B. Lomakin. Metod. i tekhn. izv. no. 5 29-30 '65.

Apparatus TSM-1 for borehole measurement of three components of a magnetic field vector. I. A. Babin, B. M. Mikhlin. Metod. i tekhn. izv. no. 5 7-10 '65

Borehole measurement of increments to the vertical component of a magnetic field using TSM-3 apparatus I. A. Babin, B. M. Mikhlin. Metod. i tekhn. izv. no. 5 2-5 '65

Low-frequency RC self-oscillator as an indicator of weak permanent magnetic fields V. P. Chukovskiy. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 1 67-70 JI '67

Using data of surface measurements of a magnetic field to estimate ore reserves in magnetic deposits A. A. Popov. Metod. i tekhn. izv. no. 5 66-70 '65

**MAGNETIC FIELDS—PHYSIOLOGICAL EFFECT**  
Biological action of magnetic fields; conference in Moscow. I. U. A. Kholodov, I. U. Novitskiy. Vest. AN SSSR 36 no. 12 87-89 D '66

**MAGNETIC FIELDS (COSMIC PHYSICS)**  
Effect of cosmic magnetic field on movements of earth and on elements of terrestrial magnetism. N. I. Sigachev. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 1 108-109 '66.

Mean Sq-fields according to data for September 1959 E. B. Afrimovich and others. Sbornik III razd. prog. MGG no. 8 31-51 '66

Method of analytic representation of "instantaneous" fields of magnetic variations. A. D. Bazan-zhaporov and others. Sbornik III razd. prog. MGG no. 8 5-22 '66

U1-component in Sq variations according to Kiy data E. I. Nemlova. Sbornik III razd. prog. MGG no. 8 12-17 '66

**MAGNETIC MATERIALS**  
Dependence of the remagnetization of thin magnetic films on the rise time of a remagnetizing field I. A. Miroshnikov, G. I. Rudenko. Izv. vuzov, ucheb. i teoret. fiz. 5 no. 6 783-785 N-D '66.

Growing and some properties of ferromagnetic single crystals of  $Bi_{1-x}Co_xFe_{2-x}V_{x-1}O_{12}$  garnets. A. G. Titova, A. P. Belskaya, R. A. Peltov, Izv. AN SSSR. Neorg. mat. 2 no. 12 2260-2261 D '66.

Incoherent neutron scattering in ferromagnets and problem of restoration of magnon spectrum. I. U. A. Kholodov, M. V. Medvedev. Zhur. eksp. i teoret. fiz. 51 no. 5 1423-1429 N '66.

## MAGNETIC MATERIALS (Continued)

- Interaction between electromagnetic and spin waves in elliptical magnetic structures. V. G. Bar'yakhtar, M. A. Savchenko, K. N. Stepanov. Fiz. tverd. tela 8 no. 7:2189-2192. 1966.
- Magnetic impurity levels in antiferromagnets. A. G. Guseinov, R. M. Seidov. Zhur. eksp. i teor. fiz. 51 no. 4:1081-1089. 1966.
- Physals of magnetic materials. S. V. Vonsovskii. Usp. fiz. nauk 90 no. 3:191-511. 1966.

Theory of a rectangular hysteresis loop in ferromagnetics. N. S. Avulov, P. I. Galenko. Dokl. AN SSSR 6 no. 9:551-555. 1962.

## MAGNETIC MATERIALS—MAGNETIC PROPERTIES

- Studying magnetic structure of ferromagnets with help of magneto-optical unit with micrometric resolution. G. S. Kitchuk, A. N. Vekhorin. Zhur. eksp. i teor. fiz. 51 no. 5:1321-1327. 1966.

## MAGNETIC MATERIALS—THERMAL PROPERTIES

- Temperature dependence of magnetic anisotropy, constants of ferromagnets and ferrites. A. I. Dvorkin, L. I. Shchegolev. Zhur. eksp. i teor. fiz. 51 no. 4:1023-1029. 1966.
- Theory of resistance anisotropy in ferromagnetic metals. V. D. Shchukin, A. N. Zhur. eksp. i teor. fiz. 51 no. 5:1176-1182. 1966.

## MAGNETIC MATERIALS—THERMODYNAMICS

- Thermodynamic theory of magnetic aftereffect in ferromagnets and ferrites. L. B. Rozenbaum. Fiz. tverd. tela 8 no. 7:2197-2204. 1966.

## MAGNETIC MATERIALS, EFFECT OF TEMPERATURE ON

- Character of magnetization curves of samarium orthoferrite single crystals near reorientation temperature. K. P. Belov, A. M. Kudomtseva, R. Z. Levitin. Zhur. eksp. i teor. fiz. 51 no. 5:1306-1310. 1966.

## MAGNETIC MEASUREMENTS

- Automatic shift of magnetization curves and hysteresis loops. V. A. Kadkin. Avtometriya no. 3:53-55. 1966.

## MAGNETIC MOMENTS

- Character of magnetization curves of samarium orthoferrite single crystals near reorientation temperature. K. P. Belov, A. M. Kudomtseva, R. Z. Levitin. Zhur. eksp. i teor. fiz. 51 no. 5:1306-1310. 1966.
- Magnetic moments of even nuclei in phenomenological models of collective quadrupole excitations. D. N. Grechukhin. Izd. fiz. 1 no. 5:937-957. 1966.

## MAGNETIC PROSPECTING

- Application of borehole magnetic prospecting in iron ore deposits of Western Siberia. P. A. Barinov, A. A. others. Metod. i tekhn. razved. no. 52:11-55. 1965.
- Certain techniques for interpreting second and higher derivatives of a magnetic potential. Nauch. zap. LPI no. 80:126-133. 1962.

## MAGNETIC PROSPECTING—COSTS

- Economic efficiency of borehole magnetic prospecting. P. A. Barinov, A. B. Lomakin, B. M. Mukhin. Metod. i tekhn. razved. no. 52:71-74. 1965.

## MAGNETIC PROSPECTING—EQUIPMENT AND SUPPLIES

- Apparatus TSM-1 for borehole measurement of three components of a magnetic field vector. E. A. Barinov, B. M. Mukhin. Metod. i tekhn. razved. no. 52:7-18. 1965.
- Borehole measurement of increments to the vertical component of a magnetic field using TSM-3 apparatus. E. A. Barinov, B. M. Mukhin. Metod. i tekhn. razved. no. 52:25-28. 1965.
- Modernized variant of a three-component borehole magnetometer. E. A. Barinov, B. M. Mukhin, A. A. Popov. Metod. i tekhn. razved. no. 52:19-24. 1965.

## MAGNETIC RECORDERS AND RECORDING

- Characteristics and design of Hall-type magnetic recording heads. R. R. Anisimov, L. I. U. Makovitch. Trudy VNIIRT no. 1:56-71. 1961.
- Choice of optimal magnetizing system for continuous automatic devices checking the metal surfaces in magnetic recording. V. M. Mogilevskii. Avtometriya no. 3:37-46. 1966.
- Compensation of nonlinear distortions in magnetic recording. V. G. Kozlov. Trudy VNIIRT no. 1:3-21. 1964.
- Effect of the frequency characteristics form on the noise of the reproducing amplifier of a tape recorder. L. G. Lishin. Trudy VNIIRT no. 1:100-108. 1961.
- Increasing accuracy in establishing working gap positions in magnetic recording heads. V. G. Kozlov. Trudy VNIIRT no. 1:119-122. 1961.
- Measurement of flutter speed of the carrier in magnetic recording. E. V. Troitskaya. Trudy VNIIRT no. 1:100-113. 1964.
- Methods for physical and mechanical tests of magnetic recording tapes. M. S. Kalantarova. Trudy VNIIRT no. 1:146-167. 1964.
- Prospects for using variators in the winding stages of tape elutriating mechanisms. A. V. Mikhovitch. Trudy VNIIRT no. 1:114-118. 1964.

Solov'ev, E. K. [Miniature secretarial tape recorder] Miniatyurny magnitofon-sekretar'. Moskva, Energiya, 1966. 47 p. (Massovaya radiobiblioteka, no. 614)

- Stetskov, B. N., and L. L. Lishits. [Magnetic tape recording in technology and everyday life] Magnitnaya zapis' v tekhnologii i bytu. Moskva, Znanie, 1966. 31 p. (Novoye v zhenii, nauka, tekhnika. IV Seriya Tekhnika, no. 24)
- Study of Kopley effect occurrence in magnetic recording. I. A. Maza, N. I. Astashebnikova. Trudy VNIIRT no. 1:22-55. 1964.

## MAGNETIC SEPARATION OF ORES

- (see also subdivision under Krivoy Rog Basin)
- Monograph concerning contemporary methods of magnetic ore dressing. I. N. Plakien and others. Izv. vuz. ucheb. zav. gos. zhur. 6 no. 5:198-203. 1963.
- Rotary magnetic filter separators for wet concentration of finely ground, weakly magnetic ores. V. G. Derkach, T. N. Galeyshina, M. L. Leichen. Gos. zhur. no. 11:62-65. 1966.

## MAGNETIC STORMS

- Energy of magnetic storms. B. C. Brinell, M. I. Padavkin. Geomag. i aer. 6 no. 6:1083-1088. N-D. 1966.
- Field of DR currents in radiation belt. B. C. Brinell. Geomag. i aer. 6 no. 6:1076-1082. N-D. 1966.
- Graphic catalog of magnetic storms for 1950. P. A. Melsuadze and others. Sbor. st. III razd. prog. MGQ no. 8:105-109. 1966.
- Ionospheric current system of initial phase of geomagnetic storm of September 4, 1957. M. G. Antalevich, L. A. Sofienko. Geomag. i aer. 6 no. 6:1126-1128. N-D. 1966.
- Shortwave radio communication on main lines of the radio center of Dickson Island during magnetic storms of various types. I. A. Feldshstein, L. A. Iudovich. Probl. Arkt. no. 7:91-101. 1959.

## MAGNETISM, TERRESTRIAL

- (see also subdivision under Black Sea region, Yakutia)
- Comparison of coefficients of harmonic analysis of daily variations of K-indexes and equivalent amplitudes. V. D. Ushakov, I. Sh. St. III razd. prog. MGQ no. 8:89-93. 1966.
- Daily variation of magnetic activity in period of IGY (disturbed days). A. D. Bazarzhiapov and others. Sbor. st. III razd. prog. MGQ no. 8:83-87. 1966.
- Daily variations of magnetic activity in period of IGY (quiet days). O. A. Troshchikov. Sbor. st. III razd. prog. MGQ no. 8:82-88. 1966.
- Distribution of magnetic activity in high latitudes. V. M. Mishin, O. A. Troshchikov, V. D. Ushakov. Sbor. st. III razd. prog. MGQ no. 8:94-101. 1966.
- Effect of cosmic magnetic field on movements of earth and on elements of terrestrial magnetism. N. I. Sigachev. Trudy Mor. gidrofiz. inst. AN SSSR 37:189-196. 1966.
- Effects of outer sources of magnetic field at altitudes of F2 layer. Part I. Sh. St. Sh. Dolgova and others. Geomag. i aer. 6 no. 6:960-982. N-D. 1966.
- Gradients composing the geomagnetic field components of a vertical scarp bench. M. I. Mel'nikova. Nauch. zap. LPI no. 80:134-138. 1962.
- Irregular variations of earth's velocity of rotation and effect of solar corpuscular streams on trail of earth's magnetosphere. V. I. Afanasieva. Geomag. i aer. 6 no. 6:1094-1095. N-D. 1966.

Penetration of solar wind into geomagnetic field. M. V. Samokhin. Geomag. i aer. 6 no. 6:983-990. N-D. 1966.

Plasma perturbation behind fast-moving body in magnetic field. V. V. Ves'kov. Geomag. i aer. 6 no. 6:1104-1107. N-D. 1966.

Quiet solar day magnetic variations in Alma-Ata in 1964, their variability from day to day, and relation to state of ionosphere. N. M. Rudnova. Geomag. i aer. 6 no. 6:1124-1126. N-D. 1966.

Relation between electron concentration at altitude of 100 and 110 km. and perturbation of earth's magnetic field. L. P. Korzunova and others. Geomag. i aer. 6 no. 6:1114-1116. N-D. 1966.

Selection of spectrum of Legendre polynomials approximating observed Sq-field. V. M. Mishin, A. D. Bazarzhiapov. Sbor. st. III razd. prog. MGQ no. 8:23-30. 1966.

Space-time distribution of geomagnetic perturbation. V. M. Mishin. Sbor. st. III razd. prog. MGQ no. 8:102-104. 1966.

Stable geomagnetic microimpulsations and solar corpuscular streams. O. V. Bol'shakova. Geomag. i aer. 6 no. 6:1090-1093. N-D. 1966.

Tectonic zoning of Transcarpathia on basis of rated values of magnetization intensity. V. I. Khomenko. Nauch. zap. LPI no. 80:163-170. 1962.

## MAGNETITE

- (see also subdivision under Turgay Gates)
- Nomogram for determining the absolute magnetite and hematite content of hematite-magnetite ores and rocks on the basis of the data of chemical analysis. N. A. Plakienko. Trudy VGU 83:117-119. 1965.

## MAGNETOHYDRODYNAMIC GENERATORS

- Symposium on magnetohydrodynamic generators. A. V. Nedospasov. Vest. AN SSSR 36 no. 12:45-47. 1966.

## MAGNETOHYDRODYNAMICS

- Intensity and spectrum of hydromagnetic emission at frequency of 1 cps. A. V. Gul'el'mi. Geomag. i aer. 6 no. 6:1120-1130. N-D. 1966.

## MAGNETOMETER—DESIGN AND CONSTRUCTION

- Modernized variant of a three-component borehole magnetometer. E. A. Barinov, B. M. Mukhin, A. A. Popov. Metod. i tekhn. razved. no. 52:19-24. 1965.

## MAGNETO-OPTICAL EFFECT

- Gas laser in magnetic fields. M. I. Diankov, S. A. Fridrikhov. Usp. fiz. nauk 80 no. 4:565-600. 1966.

## MAGNETRONS

- Bystritskii, N. P. [Magnetron amplifiers (amplifiers)] Magnitronnye ustroystva (amplifikatory). Moskva, Sov. radio, 1966. 75 p. (Elementy radioelektronnoi apparatury, no. 4)

Contribution to the theory of a relativistic magnetron. V. N. Danilov. Radiotekh. i elektron. 11 no. 12:2169-2173. 1966.

## MAGNETOGORSK—COKE OVENS—EQUIPMENT AND SUPPLIES

- Reducing ash content of coal tar during smokeless charging of coke ovens. T. P. Vaishevskii and others. Koks i khim. no. 10:22-24. 1966.

## MAGNETOGORSK—ELECTRODES, CARBON

- Influence of high-temperature pitch upon microstructure formation of graphitized electrodes. G. V. Dmitriyeva, M. A. Ryss, A. S. Smirnova. Koks i khim. no. 12:25-29. 1966.

## MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1893-1930

- Everyone to work! Time is money! Nikolai Oshlopov. Teatr 24 no. 7:10-12. 1963.
- Friend of the era. Valentina Popova. Teatr 24 no. 7:21-22. 1963.

Malakovskii in the theaters of the world. Teatr 24 no. 7:147-149. 1963.

Malakovskii on the stage. A. Goltman. Teatr 24 no. 7:129-130. 1963.

Malakovskii's feeling. Igor' Il'inski. Teatr 21 no. 7:19-21. 1963.

Malakovskii's theatricality. K. Rudnitskii. Teatr 21 no. 7:23-30. 1963.

Meetings with Malakovskii. Nikolai Peltov. Teatr 24 no. 7:13-17. 1963.

Portrait of the sun in the gravure by Vasilii Koron; the devaluation of this portrait from A. Dürer and its influence on V. Malakovskii. D. M. Moldavskii. Trudy ODRL 22:17-449. 1966.

Three years with Malakovskii's characters. Nikolai Chernyshev. Teatr 24 no. 7:17-18. 1963.

## MASURIAN, NIKOLAI ALEKSANDROVICH, 1896-

- Outstanding Soviet plant breeder. Zemledelie 20 no. 1:63. 1966.

## MAIZE see Corn (Maize)

## MAKEYEVKA—COKE INDUSTRY—BY-PRODUCTS

- Behavior of admixtures during naphthalene production. B. M. Pats, M. K. Pakter. Koks i khim. no. 10:49-53. 1966.

Removing thiophene from narrow benzene fraction by sulfuric acid. D. P. Dubrovskaya, V. A. Sapunov. Koks i khim. no. 12:30-33. 1966.

## MAKEYEVKA—INDUSTRIAL ACCIDENTS

- Industrial traumatism in raising of schoolchildren of Makeyevka, Donetsk Province. T. I. A. Uskova. Travmatologiya no. 1:27-29. 1965.

## MAKEYEVKA—SKIN—DISEASES

- Incidence of skin diseases in Makeyevka from 1958 to 1960. Vest. dermat. i ven. 37 no. 3:54-55. 1963.

## MAKEYEVKA—STUDENTS—HEALTH AND HYGIENE

- Industrial traumatism in training of schoolchildren of Makeyevka, Donetsk Province. T. I. A. Uskova. Travmatologiya no. 1:27-29. 1965.

## MAKHARADZE DISTRICT—CITRUS FRUITS—COSTS

- Problems of the cost and profitability of state tea and citrus farms in Makharadze District. L. G. Kazanishvili. Subtrop. kul't. no. 3:133-144. 1966.

## MAKHARADZE DISTRICT—TEA—COSTS

- Problems of the cost and profitability of state tea and citrus farms in Makharadze District. L. G. Kazanishvili. Subtrop. kul't. no. 3:133-144. 1966.

## MALARIA

- (see also subdivision under Yuzgulem Valley)
- Duration of the course of quaternary malaria: survey of the foreign literature. V. V. Ermakov. Med. paraz. i paraz. bol. 31 no. 5:590-605. S-O. 1962.
- Electrocardiogram in tertian malaria treated with quinine. N. A. Tiburskaya, O. S. Vrublevskaya, G. E. Gvozdeva. Med. paraz. i paraz. bol. 31 no. 5:575-581. S-O. 1962.



#### MARINE DIESEL ENGINES (Continued)

- Pulse gas turbine supercharge of two-cycle engines. V. G. Kuz'min. Trudy Kal. ikh inst. yb. prom. 15 32-47 '62
- Radioactive indicator methods of studying the effectiveness of technological measures in increasing the wear resistance of marine engine parts. D. G. Tschit'nikov. Sudostroenie 56 no. 11 18-52 '66
- Remote automatic control of the drive of the ship's generator. V. N. Antonov, M. D. Izak. Sudostroenie 56 no. 11 27-31 '66
- Temperature of the piston rings of marine internal combustion engines in the course of operation. V. M. Zamoruev. Trudy LITV no. 82 66-70 '65

#### MARINE DIESEL ENGINES—COOLING

- Performance of the 6L100PNS diesel with evaporation cooling of the pressure-charged air. V. Kapustin. Rech. transp. 25 no. 12 28-30 '66

#### MARINE DIESEL ENGINES—FUEL SYSTEMS

- Preheating of fuel in the diesels of the river fleet. V. Ermakov. Rech. transp. 25 no. 12 22-23 '66

#### MARINE DIESEL ENGINES—LUBRICATION

- Outlook for the use of molybdenum disulfide to increase the durability of ship engines. N. N. Roslov. Trudy LITV no. 82 47-53 '65
- Radioactive indicator method of studying the effectiveness of the use of the M12-V oil in reducing the wear of diesel piston rings and cylinder bushings. D. G. Tschit'nikov. Trudy LITV no. 82 21-27 '65

#### MARINE ENGINEERING

- Characteristics of working up initial statistical data on the reliability of a ship's means of automation and electric equipment. S. A. Popov, I. A. Svetlikov. Trudy LITV no. 82 28-39 '65

- Malyshov, E. I. [Preparation for storage, storage, and poststorage treatment of the electrical equipment of ships] Konei vatsila, kharaktere i raskonsei vatsila sudovogo elektrooborudovaniia. Moskva, Transport, 1966. 26 p.

- Studying the characteristics of the numbers of failures of the ship's means of automation and electric equipment. I. A. Svetlikov. Trudy LITV no. 82 10-46 '65

#### MARINE ENGINES

- Revolution irregularity of high-momentum radial-piston hydraulic motors. A. I. Puzhnikov. Sudostroenie 28 no. 12 28-29 '62

#### MARINE ENGINES—FOUNDATIONS

- Design of ship foundations. L. A. Pozin. Sudostroenie 28 no. 12 51-63 D '62

#### MARINE ENGINES—FUEL CONSUMPTION

- DO 0, 3-2 fuel consumption meters. A. S. Ponomarev. Sudostroenie 56 no. 11 37 '66
- More attention to the operational and technical indices of mass-produced steamships. A. Aleksandrov. Rech. transp. 21 no. 7 20-23 JI '62

#### MARINE ENGINES—LUBRICATION

- Use of molybdenum disulfide in ship machinery manufacture. R. V. Fichtel'. Sudostroenie 56 no. 11 60-61 '66

#### MARINE ENGINES—MAINTENANCE AND REPAIR

- Working out the optimal composition of the salt bath for sulfocyaniding the friction disks of the ship's reverse reduction gear. A. V. Khril'm. Trudy LITV no. 82 60-65 '65

#### MARINE FAUNA

- (see also subdivision under Barents Sea, Sovyastopol region)
- Color of sea inhabitants at various depths. N. N. Kondakov. Trudy Okean. kom. 14 39-42 '62

#### MARINE FLORA

- (see also subdivision under Barents Sea)
- Third Plenum of the Section of Submarine Investigations of the Oceanographic Commission of the Academy of Sciences of the U. S. S. R. and the All-Union Scientific Research Institute of Marine Fisheries and Oceanography. M. S. Kireeva. Rast. res. 2 no. 4 586-587 '66

#### MARINE FOULING

- Fouling of marine petroleum industry constructions and its control. R. K. Nazirov and others. Trudy Okean. kom. 13 19-25 '62
- Modern methods of controlling fouling. E. V. Iskra. Trudy Okean. kom. 13 3-6 '62
- Tests of means of controlling fouling. N. I. Tarasov. Trudy Okean. kom. 13 26-34 '62

#### MARINE FOULING—CONGRESSES

- Resolution of the Plenum of the Section of the Oceanographic Commission on the Control of Marine Fouling and Boreers. Trudy Okean. kom. 13 42-44 '62

#### MARINE GAS TURBINES

- Pressure losses due to the suction of air through an immobile axial flow compressor. F. I. Gol'dborg, I. A. Rabinovich. Sudostroenie 56 no. 11 24-26 '66

#### MARINE MICROBIOLOGY

- (see also subdivision under Black Sea)
- Biochemical activity of heterotrophic microorganisms isolated from various regions of the world ocean. A. I'. Kuz'min, I. G. Mikhailova, L. V. Zemtsova. Mikrobiologiya 31 no. 2 311-323 Apr-Apr '62

#### MARINE PIPE FITTING

- Taking into consideration the method of pipe fastening in calculating the vibration insulation of expansion pieces. S. A. Dvornov, M. N. Raskin. Trudy LITV no. 82 121-126 '63

#### MARINE PIPING

- Standardization and centralized fabrication of marine pipe fittings. S. Bronshteyn. Rech. transp. 25 no. 12 32 '66

#### MARINE PUMPS

- Ways of increasing the productivity of centrifugal pumps handling viscous petroleum products. G. Sizov. Rech. transp. 25 no. 12 18-19 '66

#### MARINE RAILWAYS

- Some methods of automatic load distribution between the supports of the building slip cradles and transporting ship lifting devices. B. V. Kolomoiev. Sudostroenie 56 no. 11 52-57 '66

#### MARINE REFRIGERATION

- Lugovoy, V. A. [Electric equipment of marine refrigerating units; maintenance and care] Elektrooborudovaniye sudovykh kholodilnykh ustanovok, obsluzhivaniye i ukhod. Pod red. G. M. Nikitina. Moskva, Transport, 1966. 47 p.

- Refrigerating systems of the whaling factory ships "Sovetskaya Ukraina" and "Sovetskaya Rossiya". V. A. Tolmachev, V. I. Gurevich. Sudostroenie 28 no. 12 16-19 D '62

#### MARINE SEDIMENTS

- (see also subdivision under Atlantic Ocean, Black Sea; Indian Ocean)
- Comparison of the radiometric scale of the continental Pleistocene with chronological schemes of deep-water sediments and the curve of solar radiation. V. A. Zubakov. Dokl. AN SSSR 171 no. 5 1151-1155 D '66

- MARINE SEDIMENTS—MAPS see subdivision under Atlantic Ocean

#### MARITIME TERRITORY—BOTANY

- Recent floristic discoveries from the southern Maritime Territory. M. G. Pimenov, A. P. Khokhrinov, R. L. Pimenova. Izv. Glav. bot. sada no. 53 78-79 '66

#### MARITIME TERRITORY—HELMINTHOSPORIUM

- Resistance of oaks to crown rust and helminthosporiosis in the Maritime Territory. A. F. Grachev. Sbor. trud. asp. i mol. nauch. sot. VNR no. 2 98-104 '61

#### MARITIME TERRITORY—LICHENS

- Kind of Schizmatomma perleum in the Maritime Territory. D. K. Ges'. Dokl. AN BSSR 6 no. 8 521-522 Ag '62

#### MARITIME TERRITORY—OATS—DISEASE AND PEST RESISTANCE

- Resistance of oats to crown rust and helminthosporiosis in the Maritime Territory. A. F. Grachev. Sbor. trud. asp. i mol. nauch. sot. VNR no. 2 98-104 '61

#### MARITIME TERRITORY—ORE DEPOSITS

- Genesis of hydrothermal mineralization; as revealed by study made in cassiterite-sulfide deposits in Kaval'yevskoye ore zone (Maritime Territory). E. P. Saprykin. Sov. geol. 9 no. 11 128-138 N '66

#### MARITIME TERRITORY—PHYSICAL GEOGRAPHY

- Akademika nauk SSSR, Dal'nevostochniy filial. [Abstracts of reports from the session of the Council of the Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U. S. S. R. on the results of research in 1964. Section of the Biological and Geographical Sciences] Tezisy dokladov iz sessii Soveta Dal'nevostochnogo filiala Sibirskogo otdeleniya Akademii nauk SSSR po itogam nauchnykh issledovaniy 1964 goda, Sektsiya biologicheskikh i geograficheskikh nauk, Vladivostok, 1965. 25 p.

[MICROFILM]

#### MARITIME TERRITORY—RUSTS (FUNGI)

- Resistance of oaks to crown rust and helminthosporiosis in the Maritime Territory. A. F. Grachev. Sbor. trud. asp. i mol. nauch. sot. VNR no. 2 98-104 '61

#### MARITIME TERRITORY—TRADE UNIONS

- A meeting of trade-union activists. Part. zhizni' no. 1 52 Ja '67
- Work with personnel and activists is the main thing. Sov. profsoyuz 22 no. 24 15-18 D '66

#### MARKING OF INSECTS see Insects, Marking of

#### MARMOTS

- Structure of ossa penta in marmots. V. P. Chervyakov. Zool. zhur. 45 no. 11 1712-1719 '66

#### MARROW

- Characteristics of the accumulation of radioactive phosphorus in megakaryocytes. N. D. Gracheva. Vop. radiobiol. 1 262-266 '61
- Effect of whole-body X-ray irradiation on mitotic phosphorylase system of glycogen synthesis in marrow cells. V. N. Filippova, L. I. Soldatenkova. Radiobiologiya 6 no. 6 804-806 '66
- Marrow devastation as a quantitative criterion of radiation damage. Report No. 1. Time activation for plotting curves dose-effect. E. N. Kobakov, N. N. Pestovskiy, V. G. Gorbunova. Radiobiologiya 6 no. 6 779-782 '66
- Mechanism of the origin of spontaneous and radiation-induced chromosome breakage in mammalian marrow cells. I. M. Rukavishnikov. Radiobiologiya 6 no. 6 869-874 '66

#### MARROW—CANCER

- Experience in radioactive phosphorus ( $P^{32}$ ) treatment of 28 patients with Rostitskiy's myeloma. G. A. Alekseev, E. K. Kozlov. Probl. gemat. i perel. krovi 8 no. 2 13-19 F '63
- Results of immunological examination of 30 patients with myeloma. V. P. Pygin, A. S. Mishchenko. Probl. gemat. i perel. krovi 8 no. 2 20-23 F '63

#### MARROW—TRANSPLANTATION

- Effect of bone marrow implantations on the development of radiation sickness in pregnant animals and their progeny. E. I. Ivanova, P. A. Parshina, P. I. Akhmedovich. Med. rad. i no. 8 52-59 Ag '62
- New method for preparation of cadaver bone marrow designated for transplantation. A. G. Fedotenkov and others. Probl. gemat. i perel. krovi 8 no. 2 28-31 F '63
- Transplantation of homologous bone marrow in mice following induction of DL-98 and colchicine. N. I. Hichenko. Vop. onk. 12 no. 11 62-67 '66

#### MARS (PLANET)

- New estimate of the quantity of water on Mars. A. K. Suvlov. Astron. zhur. 43 no. 6 1322-1324 N-D '66
- Possibility of formation of iron hydroxides on the Martian surface. N. M. Strakhov. Astron. zhur. 43 no. 6 1267-1273 N-D '66

#### MARS (PLANET)—EXPLORATION

- Preliminary results of studying photographs of Mars taken by Mariner-1. V. A. Bronshteyn. Astron. zhur. 43 no. 6 1261-1266 N-D '66

#### MARSHAK SAMUIL IAKOVLEVICH, 1887

- Marshak's Lyrica, N. Korzhavina. Nov. mir 39 no. 3: 239-241 M '63

#### MARX, KARL, 1818-1883

- Marx on the theoretical and logical in analytical methods. K. I. Shiba. Vest. Most. un. Ser. 2: Filoz. 21 no. 3: 64-72 My-Je '66
- Tsentral'noye Obshchestvenno-Politicheskikh Emigrantov iz SSSR. [Marx on Russia, analysis of unknown articles. Marks o Rossii, analiz neizvestnykh statei. [Munich, TsOPK] 1961. 58 p.

#### MARY, VIRGIN—MAY DEVOTIONS

- Ivanov, M. [Holy Virgin, save us; a reader for the month of May] Presvyataya Bogoroditsa spasay nas, chylanka na mislatsi' (traven'). Prudentopol', Vyd-vo oo. Vasy-llian, 1932. 115 p.

#### MARY OASIS see Margab Oasis

#### MASS SPECTROMETRY

- Mass spectrum and composition of vapors of silver chloride. A. V. Gusev, L. N. Gorokhov. Vest. Most. un. Ser. 2: Khim. 17 no. 5: 14-15 S-O '62
- Pollakova, A. A., and P. A. Khmel'nitskii. [Introduction to the mass spectrometry of organic compounds] Vvedenie v mass-spektrometriyu organicheskikh soedinenii. Pod red. A. A. Petrova. Moskva, Khimika, 1963. 202 p.

#### MASS TRANSFER

- Kinetics of mass transfer in rectification of multicomponent mixtures. L. N. Cherkalov, A. N. Pionovskii. Khim. prom. 42 no. 12 923-925 D '66
- Kinetics of water sorption on zeolites. I. U. S. Lezin, M. M. Dubinin. Dokl. AN SSSR 171 no. 2 382-384 N '66
- Mass transfer equation for a biological field. A. G. Temkin. Dokl. AN BSSR 6 no. 6 447-449 Ag '62
- Mass transfer in the process of bottle washing. G. S. Kodin. Sprit. prom. 28 no. 5: 9-12 '62
- Some regularities of mass transfer in a box extractor. N. I. Gupperin and others. Khim. prom. 42 no. 12: 919-923 D '66

#### MASSAGE

- Verbov, A. F. [Fundamentals of therapeutic massage] Osnovy lechebnogo massazha, Izd. 5., perer. i dop. Moskva, Meditsina, 1966. 303 p.

- MALEIC ACID**  
Polarographic determination of maleic acid diesters  
V. K. Vinnik and others. Zhur anal khim 21 no 10  
1248-1252 '66
- MALEIC ANHYDRIDE**  
Funct of the copolymer of styrene and maleic anhydride  
on the properties of leather. L. R. Sankin. Izv. Sankh  
L'v. v. khim. zav. tekhn. prom. no 5:46-53 '66  
Synthesis and properties of biologically active copolymers  
of maleic anhydride, vitamin and L. d. monomers.  
D. A. Kochin and others. Vest. A. F. zhur. SSR 22  
no 10:43-52 '66
- MALEVINSKII, AREF**  
Four letters of the cloth tieff. Malevinskii, A. P.  
P. N. Ratova. Trudy ODRI 18:364-365 '62
- MALGOBEK REGION (CHECHEN-INGUSH A. S. S. R.)—  
PETROLEUM PRODUCTION**  
Field team awarded an order. V. Tagurov. Neftnik  
II no 11:5-6 N '66
- MALGOBEK REGION (CHECHEN-INGUSH A. S. S. R.)—  
PETROLEUM WORKERS**  
Field team awarded an order. V. Tagurov. Neftnik  
II no 11:5-6 N '66
- MAL—APATITE**  
Phosphorite deposits in the Republic of Tadjikistan.  
Grigorovich Razvi. Zhur. tekhn. prom. 25 no 3:62-64 '63
- MALIGNANT LEUCOPENIA** see Agranulocytosis
- MALLEIN**  
History of the discovery of tuberculin and mallein in  
Russia. V. I. Kalugin. Voen. med. 43 no 11:115-  
117 N '66
- MALONIC ACID**  
Determination of ester number of sterically hindered  
diacylmalonate esters and  $\alpha$ -alkyl-substituted malonate  
lactones. S. G. Polina. A. B. S. Zhur. tekhn. prom.  
Trudy VNIISNDV no 7:186-190 '65
- MALONONITRILE**  
Interaction of metallic derivatives of compounds having  
mobile hydrogen atoms with  $\alpha$ -halo ketones. Reaction of  
 $\alpha$ -halo ketones with Na-malononitrile. T. I. Tsimokov,  
I. A. Shatunin. Zhur. tekhn. prom. 2 no 11:2018-2020  
N '66
- MALT**  
Change in free amino acid content in maling. G. I. Fert-  
man, A. N. Lazareva. Prikl. biokhim. i mikrobiol. 2  
no 6:682-686 N-D '66
- MALT—DRYING**  
Ash agitator and feeder for vertical dryers. P. T.  
Rumyantsev. Spiri. prom. 28 no 4:39-40 '62
- MALTA—DESCRIPTION AND TRAVEL**  
Malta in the world of today, travel notes. S. Kulik. Nov  
vrem. 25 no 3:26-28 Ja '67
- MALYSHEV, IVAN STEPANOVICH, 1902-1966**  
I. S. Malyshev; obituary. Vest. stat. no 12:3 '66.
- MALYSHEV, VLADIMIR IVANOVICH**  
On Vladimir Ivanovich Malyshev's 50th birthday.  
Trudy ODRI 18:489 '62
- MAMA REGION (IRKUTSK PROVINCE)—PEGMATITES**  
Characteristics of inner structure of pegmatites in Mama  
mica-bearing area. P. N. Suchkov. Min. syr. no 14:  
19-43 '66
- MAMMALS** see subdivision under Dnieper Valley
- MAMMALS—PARASITES** see Parasites—Mammals
- MAMMARY GLANDS**  
Effect of radiation on the development of the mammary  
glands in pregnant animals. G. S. Strelin, I. V. Shifrei.  
Vop. radiobiol. 4:189-207 '61
- MAMMARY GLANDS—TRANSPLANTATION**  
Growth mechanisms of mammary gland tissue cultured  
in vivo. Z. S. Khlystova. Biol. eksp. biol. i med. 55  
no 5:101-103 My '63
- MAMMARY GLANDS—TUMORS**  
Frequency of the development of mammary gland tumors  
in mice as related to the dose of external irradiation.  
R. V. Smirnov. Vop. radiobiol. 4:337-346 '61
- MAN—ORIGIN**  
The exhibition "Origin of Man" in the Ismailov Park of  
Culture and Recreation in 1958-1959. T. N. Dunayevskaya.  
Vop. antr. no 4:150-151 '60
- Typical patterns of cranial structure in man and mon-  
keys as related to anthropogenesis. S. I. Uspenski.  
Vop. antr. no 4:34-61 '60
- MAN, PREHISTORIC** see subdivision under China;  
Chuvashia, Dnieper Valley; Kama Valley; Siberia;  
Vologda Province
- MANCHURIA—RAILROADS**  
Efforts of American diplomacy to establish U. S. control  
over the Chinese Eastern Railroad at the Washington  
Conference of 1921-1922. N. S. Indukayev. Trudy TGU  
180:71-82 '65
- MANGANESE—EFFECT ON PLANTS** see Plants,  
Effect of manganese on
- MANGANESE ARSENIDE—ELECTRIC PROPERTIES**  
Effect of pressure on magnetic transformations of  
manganese arsenide. N. P. G. Zhidankina, I. U. S. Borisenov.  
Zhur. eksp. i teor. fiz. 51 no 1:1052-1058 O '66
- MANGANESE COMPOUNDS—ELECTROMAGNETIC  
PROPERTIES**  
Synthesis and electric properties of  $MnO_2$  single crys-  
tals. M. V. Rozhdavitskaya, V. A. Mordukhai, V. A.  
Stegova. Kristallografiya II no 1:003-009 N-D '66
- MANGANESE CRYSTALS**  
Effect of impurities on optical and paramagnetic prop-  
erties of divalent manganese in sodium chloride. K. K.  
Sviridov, V. B. Laitan, A. F. Lushina. Radiotekhn.  
5:361-367 '63
- MANGANESE-GERMANIUM ALLOYS—MAGNETIC  
PROPERTIES**  
Magnetic properties of  $Mn_2Ge_2$  in strong magnetic fields.  
C. A. Zavadskii, L. G. Pavlov. Zhur. eksp. i teor. fiz.  
51 no 5:1317-1320 N '66
- MANGANESE IN THE BODY**  
Manganese in the tubular bones of human fetuses. L. A.  
Pribluda. Dokl. AN BSSR 6 no 6:529-530 Ag '62.  
Manganese in the tubular bones of rats at various stages  
of pregnancy. L. A. Pribluda. Dokl. AN BSSR 6 no 6:  
387-388 Je '62.
- MANGANESE MINES AND MINING** see subdivision under  
Nikopol' region (Ukraine)
- MANGANESE MINES AND MINING—EQUIPMENT AND  
SUPPLIES** see subdivision under Dnepropetrovsk  
Province
- MANGANESE ORES** see subdivision under Ishim  
Valley
- MANGANESE OXIDES**  
Composition of active "manganese dioxide." A. S. Lush-  
kov, I. U. V. Egorov, E. I. Krylov. Izv. AN SSSR Neorg.  
mat. 2 no 12:2175-2180 D '66
- Oxidation of organic compounds by active manganese  
dioxide. S. P. Korshunov, I. I. Vereshchagin. Izv. khim.  
35 no 12:2255-2284 D '66
- MANGANESE SILICIDES—THERMAL PROPERTIES**  
Thermodynamics of higher manganese silicides. P. V.  
Gulid, S. M. Letun, N. N. Sobolevskii. Izv. vuz. uch. i  
zav. khim. 9 no 12:13-13 '66
- MANGANESE STEEL—HARDENING**  
Explosion hardening of high-manganese steel. A. A. Deribas,  
F. I. Matveenko, T. M. Sobolevskii. Fiz. gor. i vzryva  
no 3:87-91 '66
- MANGANESE STEEL—METALLOGRAPHY**  
Effect of carbide-forming elements on kinetics of  
isothermal transformations of austenite and mechanical  
properties of manganese-molybdenum steel. D. I. A.  
Vishniakov, A. A. Sovolova. Trudy MATI no. 68:5-15  
'66
- MANGYSHLAK PENINSULA—VOLCANIC ASH, TUFF,  
ETC.**  
Upper Triassic tuffs of Mangyshlak Mountains. M. M.  
Matuslavskii, V. I. Murav'ev, A. S. Sveshnikov. Lit. i  
pol. iskop. no. 6:35-47 N-D '66.
- MANIC-DEPRESSIVE PSYCHOSES**  
Clinical dynamics of reactive depression, based on data  
of catamnestic observations. I. U. I. Eliseev. Zhur.  
nevro. i psikh. 66 no 12:1811-1848 '66  
Combination of conditioned response methodologies and  
electroencephalography in examination of patients  
with manic-depressive psychosis. N. N. Zakharova.  
Zhur. nevro. i psikh. 66 no 12:1836-1841 '66  
Therapeutic and its therapeutic effect on the structure of  
depression. N. N. Timofeev, A. N. Timofeeva, Sh. M.  
Zamakhorov. Zhur. nevro. i psikh. 66 no 12:1855-1864  
'66
- MANIFOLDS (MATHEMATICS)**  
Reducibility of system of ordinary differential equations  
near smooth integral manifold. A. M. Samoilenko. Ukr.  
mat. zhur. 18 no 6:41-64 '66.  
Some differential topological invariants of not simply  
connected manifolds. V. Golov. Dokl. AN SSSR 171  
no 5:1039-1032 D '66.
- MANNITOL**  
Origin of mannitol-negative variants of Flexner's dysen-  
terial bacteria. P. I. Emel'yanov. Zhur. mikrobiol.,  
epid. i immun. 33 no 6:32-37 Je '62.
- MANOMETER**  
Capacitive transducer-micromanometer. A. B. K.  
Kozlov, B. T. Kulik, S. S. Shushkov. Izv. Akad. Nauk  
SSSR Tekhn. fiz. 71-75 '66.  
Momentum transfer under ionization impact in rare  
gases. G. G. Gerasimov. Izv. AN SSSR, Ser. fiz. i  
mat. 2000-2011 D '66  
Using mercury compression manometers for the mea-  
surement of pressures lower than  $10^{-4}$  mm. A. V.  
A. V. Elkin. Izv. tekhn. fiz. no 6:16-20 Ja '66
- MANUAL TRAINING**  
Forms and methods of combining the physical education  
with the manual training of students. V. I. K.  
Kabanovskii. Nauch. i tekhn. inform. no 1:70-78 '63  
Manual training instruction of motor shipmen. A. V.  
A. V. Kabanov. Nauch. i tekhn. inform. no 1:70-78 '63
- MANUFACTURES**  
In the Ministry of the Light Industry of the U. S. S. R.  
Tekst. prom. 96 no 19:73-71 D '66  
Results of the 3d International Conference of 1961  
Union of Workers of the Textile, Clothing, Leather  
and Footwear Industries. A. I. Ashchinskii. Tekst.  
prom. 26 no 12:60-70 D '66.
- MANUSCRIPTS**  
(see also subdivision under Cherdyn' District, Komi  
Khantyngsk, Samoylov Province, Moscow region, Yu-  
mansk Province; Pechora region, Komi A. S. S. R.,  
Tol'ma, Vologda Province)  
Author of the additions to Ivan the Terrible's letters  
to the nobles. N. I. Andreev. Trudy ODRI 18:111-113  
148 '62  
Eight parchment manuscripts from the collection of the  
Central State Archive of Old-Russian Manuscripts. O. A.  
Kulakovskaya. Trudy ODRI 18:131-141 '62  
"Moral and spiritual" verse in a 16th century manuscript.  
A. V. Porokhov. Trudy ODRI 18:100-110 '62
- MANUSCRIPTS—CATALOGS** see subdivision under  
Leningrad
- MANUSCRIPTS, FRENCH**  
A French manuscript of the 14th century history of  
making in France. A. V. Kabanov. Tekst. prom. 26  
no 12:60-70 D '66.
- MANUSCRIPTS, LATIN**  
(see also subdivision under France)  
Fragments of the Latin manuscript of the 8th-10th  
centuries in the collection of the Academy of Sciences  
of the U. S. S. R. M. I. Muravov. Tekst. prom. 26  
no 12:60-70 D '66
- MAP PROJECTION**  
Generalized formulas for coniform projection. A. V.  
Vakhrameev. Izv. vuz. uch. i zav. khim. 9 no 12:13-13  
'66
- MAPS**  
Compilation of a special series of geographical maps  
lecturing and propaganda purposes. N. I. Kabanov.  
Old. mat. geog. i kart. Geog. obzr. A. S. S. R. no 7:11-11
- MARINAMYCIN**  
Formation of marinamycin-like substance in the  
Actinomyces candidus culture. N. V. Kabanov. Tekst.  
prom. 26 no 12:60-70 D '66.
- MARINE BOILERS** see Boilers, Marine
- MARINE BORERS—CONGRESSES**  
Resolution of the Plenum of the Section of the Ocean-  
ographic Commission on the Control of Marine Boring  
and Boring. Trudy Okean. korn. 11:42-41 '62
- MARINE DIESEL ENGINES**  
(see also subdivision under Germany, West)  
Current problems of marine diesel manufacture in the  
U. S. S. R. P. I. Potovskii. Sudostroenie 28 no 12:26-28 D '62  
Effect of some operational factors on the rate of wear  
of the cylinder bushings of engines. B. K. Sakulov. Izv.  
LIVT no 82:13-20 '65  
Improving the performance and economic efficiency of  
marine diesels operating under fractional loads. V. B.  
Zakharov. Sudostroenie 28 no 12:28-32 D '62  
Improving the performance indices of marine auxiliary  
engines. M. I. Brailavskii. Trudy LIVT no. 81:14-14  
'65  
Improving the performance quality of the fuel systems of  
marine auxiliary diesels operating under partial loads.  
Z. A. Khandov, M. I. Brailavskii. Trudy LIVT no. 81:  
152-160 '65  
Increasing the resistance to cavitation erosion of the  
operating bushings and cylinder blocks of marine diesels.  
Z. A. Khandov, I. U. T. Tsapenko. Sudostroenie  
58 no 11:22-21 '66.  
Konchakov, V. I., and N. N. Bannikov. [Textbook for ship  
engineers] Uchebnik sudovogo motorteta. Morskoy,  
Transport, 1966, 282 p.
- Methods for improving the reliability and durability  
of connecting rod bolts of internal combustion engines.  
V. Kuz'menko. Rezh. transp. 25 no 12:20-21 '66



**MARINE DIESEL ENGINES—(Continued)**  
 Pulse gas turbine supercharge of two-cycle engines, V. G. Kuz'min Trudy kal tekhn. i tekhn. prom. 15 12-17 '62.  
 Radioactive indicator methods of studying the effectiveness of technological means of increasing the wear resistance of marine engine parts, D. G. Tochil'nikov, Sudostroyeniye 56 no. 11 18-52 '66.  
 Remote automatic control of the drive of the ship's generator, V. N. Antonov, M. D. Izak, Sudostroyeniye 55 no. 11 27-31 '66.  
 Temperature of the piston rings of marine internal combustion engines in the course of operation, V. M. Zamotayev, Trudy LIVI no. 82 66-70 '65.

#### MARINE DIESEL ENGINES—COOLING

Performance of the GLICOINS diesel with evaporation cooling of the pressure-charged air, V. Kapustin, Rechn. transp. 25 no. 12 26-30 '66.

#### MARINE DIESEL ENGINES—FUEL SYSTEMS

Preheating of fuel in the diesels of the river fleet, V. Ermakov, Rechn. transp. 25 no. 12 22-23 '66.

#### MARINE DIESEL ENGINES—LUBRICATION

Outlook for the use of molybdenum disulfide to increase the durability of ship engines, N. N. Roslov, Trudy LIVI no. 82 47-51 '65.

Radioactive indicator method of studying the effectiveness of the use of the M12-V oil in reducing the wear of diesel piston rings and cylinder bushings, D. G. Tochil'nikov, Trudy LIVI no. 82 21-27 '65.

#### MARINE ENGINEERING

Chasacteristics of working up initial statistical data on the reliability of a ship's means of automation and electric equipment, S. A. Popov, I. A. Svetlikov, Trudy LIVI no. 82 28-30 '65.

Malyshev, E. I. [Preparation for storage, storage, and poststorage treatment of the electrical equipment of ships] Konservatsiya, khraneniye i uskonservatsiya sudovogo elektrobordovaniya, Moskva, Transport, 1966, 28 p.

Studying the characteristics of the numbers of failures of the ship's means of automation and electric equipment, I. A. Svetlikov, Trudy LIVI no. 82 10-16 '65.

#### MARINE ENGINES

Revolutions in regularity of high-momentum radial-piston hydraulic motors, A. I. Plazhnikov, Sudostroyeniye 28 no. 12-20-25 D '62.

#### MARINE ENGINES—FOUNDATIONS

Design of ship foundations, I. A. Porin, Sudostroyeniye 28 no. 12 61-63 D '62.

#### MARINE ENGINES—FUEL CONSUMPTION

D.O. 3-2 fuel consumption meters, A. S. Ponomarev, Sudostroyeniye 56 no. 11 37 '66.

More attention to the operational and technical indices of mass-produced steamships, A. Aleksandrov, Rechn. transp. 21 no. 7 28-29 D '62.

#### MARINE ENGINES—LUBRICATION

Use of molybdenum disulfide in ship machinery manufacture, R. V. Fichel'd, Sudostroyeniye 56 no. 11 60-61 '66.

#### MARINE ENGINES—MAINTENANCE AND REPAIR

Working out the optimal composition of the salt bath for sulfocyaniding the friction disks of the ship's reverse reduction gear, A. V. Kisil'ma, Trudy LIVI no. 82 60-65 '66.

#### MARINE FAUNA

(see also subdivision under Barents Sea; Sevastopol region)  
 Color of sea inhabitants at various depths, N. N. Kondakov, Trudy Okean. kom. 11:39-12 '62.

#### MARINE FLORA

(see also subdivision under Barents Sea)  
 Third Plenum of the Section of Submarine Investigations of the Oceanographic Commission of the Academy of Sciences of the U. S. S. R. and the All-Union Scientific Research Institute of Marine Fisheries and Oceanography, M. S. Khiceva, Rast. res. 2 no. 4:506-537 '66.

#### MARINE FOULING

Fouling of marine petroleum industry constructions and its control, R. K. Nazirov and others, Trudy Okean. kom. 13:19-25 '62.

Modern methods of controlling fouling, E. V. Iskra, Trudy Okean. kom. 13:3-6 '62.

Tests of means of controlling fouling, N. I. Tarasov, Trudy Okean. kom. 13:26-31 '62.

#### MARINE FOULING—CONGRESSES

Resolution of the Plenum of the Section of the Oceanographic Commission on the Control of Marine Fouling and Barriers, Trudy Okean. kom. 13:42-44 '62.

#### MARINE GAS TURBINES

Pressure losses due to the suction of air through an immobile axial flow compressor, F. I. Goldberg, I. A. Rubtsovich, Sudostroyeniye 56 no. 11 21-20 '66.

#### MARINE MICROBIOLOGY

(see also subdivision under Black Sea)  
 Biochemical activity of heterotrophic microorganisms isolated from various regions of the world ocean, A. L. Koles, I. E. Mishustina, E. V. Zemtsova, Mikrobiologiya 31 no. 2:311-323 Ab-Apr '62.

#### MARINE PIPE FITTING

Taking into consideration the method of pipe fastening in calculating the vibration insulation of expansion pieces, S. A. Dvynov, I. U. N. Haskin, Trudy LIVI no. 82 121-126 '65.

#### MARINE PIPING

Standardization and centralized fabrication of marine pipe fittings, S. Bronshteyn, Rechn. transp. 25 no. 12 32 '66.

#### MARINE PUMPS

Ways of increasing the productivity of centrifugal pumps handling viscous petroleum products, G. Sizov, Rechn. transp. 28 no. 12 16-19 '66.

#### MARINE RAILWAYS

Some methods of automatic load distribution between the supports of the building ship cradles and transporting ship lifting devices, B. V. Kolominov, Sudostroyeniye 56 no. 11 52-57 '66.

#### MARINE REFRIGERATION

Loghinov, V. A. [Electric equipment of marine refrigerating units, maintenance and care] Elektrifikatsiya sudovykh kholodnykh ustanovok, obsluzhivaniye i ukhod, Pod red. G. M. Nikulina, Moskva, Transport, 1966, 47 p.

Refrigerating systems of the whaling factory ships "Sovetskaya Ukraina" and "Sovetskaya Rossiya," V. A. Tolmachev, V. I. Gurevich, Sudostroyeniye 28 no. 12 16-19 D '62.

#### MARINE SEDIMENTS

(see also subdivision under Atlantic Ocean, Black Sea; Indian Ocean)

Comparison of the radiometric scale of the continental Pleistocene with chronological schemes of deep-sea strat sediments and the curve of solar radiation, V. A. Zubakov, Dokl. AN SSSR 171 no. 5 1161-1165 D '66.

MARINE SEDIMENTS—MAPS see subdivision under Atlantic Ocean

#### MARITIME TERRITORY—BOTANY

Recent floristic discoveries from the southern Maritime Territory, M. G. Pimenov, A. P. Khokhinakov, H. E. Pimenova, Biol. Glav. bot. sad. no. 63 78-79 '66.

#### MARITIME TERRITORY—HELMINTHOLOGICAL

Resistance of oaks to crown rust and helminthosporiosis in the Maritime Territory, A. F. Grachev, Sb. trud. nsp. i mol. nauch. sotz. VIR no. 2 98-104 '61.

#### MARITIME TERRITORY—LICHENS

Find of Schismatomma perleum in the Maritime Territory, D. K. Ges', Dokl. AN SSSR 6 no. 8 521-522 Ag '62.

#### MARITIME TERRITORY—OATS—DISEASE AND PEST RESISTANCE

Resistance of oats to crown rust and helminthosporiosis in the Maritime Territory, A. F. Grachev, Sb. trud. nsp. i mol. nauch. sotz. VIR no. 2 98-104 '61.

#### MARITIME TERRITORY—ORE DEPOSITS

Genesis of hydrothermal mineralization, as revealed by study made in cassiterite-sulfide deposits in Kavalerskoye ore zone (Maritime Territory), E. P. Sapozhkin, Sov. geol. 9 no. 11:128-138 N '66.

#### MARITIME TERRITORY—PHYSICAL GEOGRAPHY

Akademiya nauk SSSR, Dal'nnevostochnyy filial. [Abstracts of reports from the session of the Council of the Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U. S. S. R. on the results of research in 1964. Section of the Biological and Geographical Sciences] Tezisy dokladov iz sessii Soveta Dal'nnevostochnogo filiala Sibirskogo otdeleniya Akademii nauk SSSR po itogam nauchnykh issledovaniy 1964 goda, Sektsiya biologicheskikh i geograficheskikh nauk, Vladivostok, 1965, 28 p.

[MICROFILM]

#### MARITIME TERRITORY—RUSTS (FUNGI)

Resistance of oats to crown rust and helminthosporiosis in the Maritime Territory, A. F. Grachev, Sb. trud. nsp. i mol. nauch. sotz. VIR no. 2:98-104 '61.

#### MARITIME TERRITORY—TRADE UNIONS

A meeting of trade-union activists. Part. zhizni' no. 1: 52 Ja '67.

Work with personnel and activists is the main thing, Sov. profsoyuzy 22 no. 24:15-16 D '66.

#### MARKING OF INSECTS see Insects, Marking of

#### MARMOTS

Structure of ice pens in marmots, V. P. Chetviakov, Zool. zhur. 45 no. 11:1712-1719 '66.

#### MARROW

Chasacteristics of the accumulation of radioactive phosphorus in megakaryocytes, N. D. Ganieva, Vop. radiobiol. 4:262-266 '61.

Effect of whole-body X-ray irradiation on uridine diphosphate-glucose system of glycogen synthesis in marrow cells, V. N. Il'ippova, L. I. Soldatenkova, Radiobiologiya 6 no. 6:804-806 '66.

Marrow devastation as a quantitative criterion of radiation damage, Report No. 1. Time selection for plotting curves dose-effect, E. N. Kabanov, N. N. Pustorinna, V. G. Golubova, Radiobiologiya 6 no. 6:779-782 '66.  
 Mechanism of the origin of spontaneous and radiation-induced chromosome breakage in mammalian marrow cells, I. M. Bukavishnikov, Radiobiologiya 6 no. 6:869-874 '66.

#### MARROW—CANCER

Experience in radioactive phosphorus (<sup>32</sup>P) treatment of 38 patients with Ruvistitis myeloma, G. A. Abovacev, E. K. Kul'pa, Probl. gemat. i perel. krovi 8 no. 2:3-9 D '63.  
 Results of immunological examination of 30 patients with myeloma, V. P. Dygin, A. S. Mishchenko, Probl. gemat. i perel. krovi 8 no. 2:20-23 F '63.

#### MARROW—TRANSPLANTATION

Effect of bone marrow implantations on the development of radiation sickness in pregnant animals and their progeny, L. I. Ivanova, E. A. Parshina, E. I. Aleksandrovich, Med. rad. 7 no. 8:52-54 Ag '62.

New method for preparation of cadaver bone marrow designated for transplantation, A. G. Fedotnikov and others, Probl. gemat. i perel. krovi 8 no. 2:28-34 F '63.

Transplantation of isologous bone marrow in mice following introduction of DL-50 sarcoma, N. I. Kirchenko, Vop. onk. 12 no. 11:62-67 '66.

#### MARS (PLANET)

New estimate of the quantity of water on Mars, A. K. Suslov, Astron. zhur. 43 no. 6:1322-1324 N-D '66.

Possibility of formation of iron hydroxides on the Martian surface, N. M. Strakhov, Astron. zhur. 43 no. 6:1267-1273 N-D '66.

#### MARS (PLANET)—EXPLORATION

Preliminary results of studying photographs of Mars taken by Mariner-4, V. A. Bronshteyn, Astron. zhur. 43 no. 6:1261-1266 N-D '66.

#### MARSHAK SAMUEL IAKOVLEVICH, 1887

Marshak's Lyrics, N. Korzhavin, Nov. ml. 39 no. 3: 239-244 M '63.

#### MARX, KARL, 1818-1883

Marx on the theoretical and logical in analytical methods, K. I. Shilin, Vest. Mosk. un. Ser. 8 Filos. 21 no. 3: 61-72 My-Je '66.

Tsentral'noy Ob'edineniye Politicheskikh Emigrantov iz SSSR. [Marx on Russia, analysis of unknown articles] Marks o Rossi, analiz nezvestnykh statei. [Munch, TsOPE] 1961, 58 p.

(All)

#### MARY, VIRGIN—MAY DEVOTIONS

Ivaniv, M. [Iloly Virgin save us; a reader for the month of May] Psevniatna Bohodoyts spasy nas, chytanka na mayskikh traven'. Prudentopli', Vyd-vo oo. Vasylian, 1962, 115 p.

(Col)

#### MARY OASIS see Murgab Oasis

#### MASS SPECTROMETRY

Mass spectrum and composition of vapors of silver chlorido, A. V. Gusarov, I. N. Gorekhov, Vest. Mosk. un. Ser. 2 Khim. 17 no. 5:14-15 S-O '62.

Pollakova, A. A., and P. A. Khmel'nitskiy. [Introduction to the mass spectrometry of organic compounds] Vvedenie v mass-spektrometriyu organicheskikh soedinenii, Pod red. A. A. Petrova, Moskva, Khimfin, 1966, 202 p.

#### MASS TRANSFER

Kinetics of mass transfer in rectification of multicomponent mixtures, I. N. Cheklov, A. N. Ponomarev, Khim. prom. 42 no. 12:923-925 D '66.

Kinetics of water sorption on zeolites, I. U. S. Lazin, M. M. Dubinin, Dokl. AN SSSR 171 no. 2:382-384 N '66.

Mass transfer equation for a biological field, A. G. Temkin, Dokl. AN SSSR 6 no. 8:497-498 Ag '62.

Mass transfer in the process of bottle washing, G. S. Kedim, Spiri. prom. 28 no. 5:9-12 '62.

Some regularities of mass transfer in a box extractor, N. I. Gol'perin and others, Khim. prom. 42 no. 12: 910-923 D '66.

#### MASSAGE

Verbov, A. F. [Fundamentals of therapeutic massage] Osnovy lecheniya massazha, Izd. 5., perer. i dop. Moskva, Meditsina, 1960, 303 p.

(DNLM)

## MASSECCUTES

Field tests of the open-loop part of a system for controlling a plant for continuous coating of massecuite L. Z. Amilina'ki, V. I. Neshchodovskiy. *Avtomatika* 11 no. 6 16-52 '66.

## MAST CELLS

Cytologic, photometric and autoradiographic study of TNY nuclei in mast cells of loose connective tissue N. G. Khushchov, N. I. Komarovich. *Dokl. AN SSSR* 171 no. 2 168-170 N '66.

## MATCH INDUSTRY—EQUIPMENT AND SUPPLIES

Automatic feeding of matchsticks to automatic machines N. I. Kaverzin. *Dokl. prom.* 15 no. 12 23 D '66.

## MATERIA MEDICA, VEGETABLE

(see also subdivision under Azerbaijan)  
Treatment of chronic leg ulcers with plant preparations T. T. Gukhen'kii. *Vest. dermat. ven.* 37 no. 3 32-34 M '63.

## MATERIALS—MAGNETIC PROPERTIES

Method of investigating pyrometallurgical processes by the change in the magnetic properties of material Z. I. Nekrasov, M. A. Hladkov, B. M. Matmur. *Dokl. AN URSS* no. 7 896-899 '63.

## MATERIALS—TESTING

Study of the efficiency of materials for thermocouples. Kh. M. Kuliev. *Izv. AN Tur. SSR, Ser. fiz.-tekh. nauk.* 1966 no. 6, 8-12 '62.

## MATERIALS AT HIGH TEMPERATURES

New carbonaceous materials for high temperature techniques D. M. Kolotilko, V. I. Ustinov. *Khimiya* 101 no. 6 60-61 N-D '66.

## MATERIALS HANDLING—EQUIPMENT AND SUPPLIES

Technical means for the transportation of goods. E. Levin, N. Lifshits. *Sov. tog.* 40 no. 1 53-57 Ja '67.

## MATERNAL AND INFANT WELFARE

From the collegium of the Ministry. *Sots. chesep.* 41 no. 12 14-16 D '66.

## MATHEMATICAL ANALYSIS

Modelling relationship between cost of an apartment and its space B. Kolotilko. *Arkhiv. SSR* no. 7 24-27 '66.  
A representation of zero differences and striking numbers of the first kind V. I. Shembel'. *Trudy Vych. tsentra AN Gruz. SSR* 3 185-193 '62.

## MATHEMATICAL CRYSTALLOGRAPHY

(see Crystallography, Mathematical)

## MATHEMATICAL DRAWING

(see Geometrical drawing)

## MATHEMATICAL ECONOMICS

(see Economics, Mathematical)

## MATHEMATICAL GEOGRAPHY

(see Geography, Mathematical)

## MATHEMATICAL LINGUISTICS

Evaluation of the quantity of syntactic structures with various constraints S. A. Titulov, G. S. Tselin. *Kibernetika* no. 6 85-95 N-D '66.  
Word equations without coefficients I. U. I. Khmel'evskii. *Dokl. AN SSSR* 171 no. 5 1017-1019 '66.

## MATHEMATICAL OPTIMIZATION

Akademii nauk Kazakhskoi SSR, Institut gornogo dela, [Cybernetics in mining engineering] *Kibernetika v gornom dele*. Alma-Ata, Nauka, 1966, 165 p.  
Best methods of piecewise linear approximation I. U. L. Kothkov. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 6 1202-1209 '66.  
Controllability region and correct formulation of optimization problem I. P. Lytkin. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 6 1222-1226 '66.  
Determining the optimum transfer function of primary frequency transformer in mine telecommunication systems. A. V. Prymak. *Dokl. AN URSS* no. 11 1441-1445 '66.  
Kharatishvili, G. L. [Optimal processes with delays] *Optimal'nye protsessy s zapazdyvaniyami*. Tbilisi, Metsnereba, 1966, 81 p. (Akademii nauk Gruzinskoi SSR. Vychislitel'nyi tsentr. Trudy, vol. 8:4)  
Method for solving scheduling optimization 10 no. 12 17-19 D '66.

Using experimental statistical methods of optimization to establish the relation of glass fiber diameter to conditions of forming. M. S. Avlanova, S. S. Gordon, V. E. Khazanov. *Steklo* 23 no. 11 12-16 N '66.

## MATHEMATICAL PHYSICS

Ivanov, L. S. [Fundamentals of partial differential equations in mathematical physics; supplementary chapters (to a course in higher mathematics)] *Nachal'nye svideniya o differentsial'nykh uravneniyakh s chastnymi proizvol'nymi matematicheskoi fiziki; dopolnitel'nye glavy k kursu vysshei matematiki*. Pod red. Kh. A. Smirnovoi. Moskva, Mosk. poligr. int., No. 3, 1965, 14 p. [MICROFILM]

## MATHEMATICAL STATISTICS

Asymptotic power of a nonparametric criterion analogous to X<sup>2</sup> statistics. L. I. Shil'in. [L. I. Shil'in]. *Dokl. AN URSS* no. 7 856-861 '63.

Brus, A. A., and S. V. Grigorian. [Using methods of mathematical statistics in geochemical prospecting] *Ispol'zovanie metodov matematicheskoi statistiki pri geochemicheskikh poiskakh*. Moskva, Gos. geol. kom. SSSR, 1965, 72 p. [MICROFILM]

Mathematics and geological sciences. A. M. Zhuravskii. *Zap. I (I) 59* no. 2 3-6 '66.  
Piecing together flotation results by methods of mathematical statistics V. Z. Kozin and others. *Obog. rud* 11 no. 3 30-33 '66.

Schrovinkina, K. V., and V. G. Kulagin. [Variational series and their characteristics. The selective method, lectures in a course of higher mathematics with the fundamentals of mathematical statistics. Themes I and II] *Variatsionnye ryady i ikh kharakteristiki. Vyborchyy metod, lektsii po kursu vysshei matematiki s osnovami matematicheskoi statistiki*. Temy I i II. [Moskva] Profizdat, 1966, 76 p. [MICROFILM]

Some remarks on the check of hypotheses for random fields P. S. Knopov. *Kibernetika* no. 6 51-52 N-D '66.

## MATHEMATICS

Development of concepts of geological space as possible basis for using mathematics in geology I. U. A. Kosyayn, I. U. A. Voronin. *Izv. AN SSSR Ser. geol.* 31 no. 12 17-25 D '66.

## MATHEMATICS—CONGRESSES

International Congress of Mathematicians. A. A. Korbut, I. U. A. Finkel'shteyn. *Eksp. i mat. metod.* 2 no. 6 942-945 N-D '66.

International Congress of Mathematicians in Moscow V. Dobrovolskiy. *Dokl. AN URSS* no. 11 1511-1516 '66.  
Mathematics and modern society V. G. Bol'shanskii, A. A. Ryabin. *Priloga* 55 no. 12 18-56 '66.

## MATHEMATICS—PROBLEMS, EXERCISES, ETC.

For those who love mathematics. *Sem'ia i shkola* 21 no. 11 58-59 N '66.  
For those who love mathematics. *Sem'ia i shkola* 21 no. 12 58-59 D '66.

## MATHEMATICS—STUDY AND TEACHING

(see also subdivision under Lipetsk Province)  
Early history of mathematical education in Russia I. I. A. Depman. *Uch. zap. Ped. inst. Gerts* 260:108-114 '65.  
Higher mathematics in a physics course. B. A. Lyzunov. *Vech. sred. shkola* 9 no. 6 24-29 N-D '66.  
Higher mathematics in the institutions of higher technical education. V. I. Smirnov, N. A. Sapogov. *Vest. vys. shkol* 24 no. 12 20-23 D '66.  
Methodological recommendations for the mathematics teachers of the 5th-8th grades. I. M. Bogdanov, G. D. Gleizer, S. M. Shkadan. *Vech. sred. shkola* 9 no. 6 51-56 N-D '66.

Moskovskii gorodskoi institut usovershenstvovaniia uchitel'ei. [Planning of the work in mathematics in the 5th-8th grades; methodological instructions] O planirovani raboty po matematike v V-VI klassakh; metodicheskie ukazaniia. Moskva, 1966, 87 p.

Moskovskii gos. odskoi institut usovershenstvovaniia uchitel'ei. [Planning of the work in mathematics in the 7th-8th grades; methodological instructions] O planirovani raboty po matematike v VII-VIII klassakh; metodicheskie ukazaniia. Moskva, 1966, 97 p.

Some problems in raising the efficiency of mathematics classes in secondary schools Z. I. Slesareva. *Uch. zap. Ped. inst. Gerts* 260:124-140 '65.

## MATRICES

Complete Pierz relation system in six-dimensional form. I. U. P. Stepanova'ki. *Ukr. fiz. zhur.* 11 no. 11 1191-1197 N '66.  
Inversion of matrices. SP-0037. T. A. Shargina. *Vop. mat. eksp. vych. mash.* no. 2 10-14 pt. 3 '66.  
Minimization of number of arithmetical operations in one transformation of matrices. V. V. Kilev, N. I. Kokovkin-Shcherbak. *Ukr. mat. zhur.* 18 no. 6 122-128 '66.  
Multiplication of matrices. M. R. Shura-Bura. *Vop. mat. eksp. vych. mash.* no. 2 18-10 pt. 3 '66.

Structure of fundamental matrices of R-systems with almost periodic coefficients V. M. Millionshikov. *Dokl. AN SSSR* 171 no. 2 288-291 N '66.

## MAXIMA AND MINIMA

Kharatishvili, G. L. [Optimal processes with delays] *Optimal'nye protsessy s zapazdyvaniyami*. Tbilisi, Metsnereba, 1966, 81 p. (Akademii nauk Gruzinskoi SSR. Vychislitel'nyi tsentr. Trudy, vol. 8:4)  
Saddle points of functionals of uniform approximation S. V. Smirnov, M. K. Putapov. *Dokl. AN SSSR* 171 no. 5 1041-1044 D '66.  
Solution of some minimax problems. Part I. V. E. Dem'ianov. *Kibernetika* no. 6 58-66 N-D '66.  
Solution of transport problem with time criterion G. Kaimov. *Dokl. AN Tadz. SSR* 9 no. 12 7-10 '66.

## MAZUT—COMBUSTION

Velizhev, F. K. [Short-jet combustion of mazut] *Korotkozhelozhnye szhiganiya mazuta*. Leningrad, Nedra, 1966, 126 p.

MEADOW GRASS see subdivision under Soviet Central Asia, Ukraine

## MEASLES

Pathomorphological changes in the skin in experimental measles I. G. Shroit. *Vest. dermat. ven.* no. 12 28-33 '62.

## MEASLES—PREVENTION

Effectiveness of a reduced dose of gamma globulin (1 ml) in the prevention of measles. G. V. Ignat'eva and others. *Zhurn. mikrobiol., epid. i immunit.* 43 no. 11 144-145 N '66.  
Melonets, I. F. [Measles and its prevention] *Korotko preduprezhdenie*. Moskva, Meditsina, 1965, 18 p. (Nauchno-popularnaya meditsinskaya literatura) (DNLM)

## MEASLES VIRUSES

Cytochemical study of intracellular inclusions in measles infection Z. A. Abdumalikova, I. A. Vanag. *Vop. virus* 11 no. 6 706-711 N-D '66.

## MEASLES VIRUSES—CULTURES AND CULTURE MEDIA

Study of the sensitivity of primally trypsinized and transplanted tissue cultures to monkey morbilliform virus S. V. Lokhova and others. *Trudy Mosk. nauch.-issl. inst. virus* prep. no. 3 235-246 '65.

## MEASURE THEORY

Absolute continuity of measures, corresponding to Gaussian processes, in linear transformations A. D. Shatalov. *Trudy Vych. tsentra AN Gruz. SSR* 3 241-268 '62.  
Differentiation and quasi-linear operators in a space of functions whose generalized derivatives are measures A. I. Volpert. *Dokl. AN SSSR* 171 no. 5 1027-1029 D '66.  
Limits of molecular measures in certain spaces. I. A. Berezunskii. *Dokl. AN SSSR* 171 no. 2 251-253 N '66.

## MEASURING INSTRUMENTS

Ar-O2 automatic continuous-action measuring instrument for aromatic hydrocarbons. V. S. Sukhomlinov. *Neft i gaz, prom.* no. 3 58-60 Ja-Mr '63.  
Device for checking precision holes. I. A. Grigor'ev, V. I. Moskvichov. *Izm. tekhn.* no. 6 14-15 Je '62.  
Device for checking recording instruments and recording inside callipers. E. M. Evich. *Izm. tekhn.* no. 6 15 Je '62.  
Devices for measuring pothole diameters of boreholes in jet piercing S. Z. Vatman, A. I. Cherkonov. *Gor. zhur.* no. 12 47-50 D '66.  
Instrument for determining the volumetric weight of soils in wells or prospecting pits. I. S. Fedorov. *Trudy Lab. inzh. gidrogeol. VODGEO* no. 1 167-171 '62.  
Measuring the linear shrinkage of alloys P. P. Dvoret'skiy, E. I. Ivanov. *Izm. tekhn.* no. 6 11-13 Je '62.  
New high-precision measuring instruments. P. P. Arapov. *Izm. tekhn.* no. 6 62-63 Je '62.

## MEASURING INSTRUMENTS—CLASSIFICATION

Classification of automatic measuring instruments. V. M. Shilandin. *Izm. tekhn.* no. 6 9-11 Je '62.  
Classification of measuring devices according to their precision A. I. Kartashev, D. L. Orshanskii. *Izm. tekhn.* no. 6 1-4 Je '62.

## MEASURING INSTRUMENTS—TESTING

Improving systems of the inspection of measuring equipment. M. P. Smirnov. *Izm. tekhn.* no. 6 55-58 Je '62.

## MEAT, SMOKED

Carcinogenic substances, in particular 3,4-benzopyrene, in smoked products and measures for their removal. L. M. Shabat. *Vest. AMN SSSR* 15 no. 12 22-27 '66.

## MEAT INDUSTRY

(see subdivision under White Russia)  
MEAT INDUSTRY—EQUIPMENT AND SUPPLIES  
Mechanization and automation of production in the meat industry. *Inform. bluz. VDNKH* no. 8 6 Ag '62.

**MECHANICAL DRAWING**  
Babich, O.A., and I.N. Vladislavskaya. [Reading and detailing of assembly drawings] Chiténie i detalirovaniye sborocnykh chertezhef, Moskva, Vysshaya shkola, 1966. 92 p.  
Vezibitskaya, V.A. [Reading of drawings] Chiténie chertezhef, Kiev, Tekhnika, 1966. 130 p

**MECHANICAL DRAWING—EQUIPMENT AND SUPPLIES**  
Drawing equipment of the world, A. Stogomov. Izob. i izm. no. 12:10-13 '66.

**MECHANICAL ENGINEERING**  
Demidova, T.G. [New metals and metal alloys in engineering] Noveye metally i metallicheskiye splavy v tekhnike, Moskva, Mosk. Avtomekhanicheskii in-t, 1965. 103 p.

**MECHANICAL ENGINEERING—BIBLIOGRAPHY** see Bibliography—Mechanical engineering

**MECHANICAL ENGINEERING—STUDY AND TEACHING**  
Poviletko, R.P. [Psychological requirements of man in modern technology, experimental lecture for students of construction majors in the Machinery and Instrument Manufacture faculties of the Novosibirsk Electrotechnical Institute] O psikhologicheskikh trebovaniyakh cheloveka k sovmestnoy tekhnike, ekape inženial'naya lektsiya dlya studentov konstruktorskikh spetsial'nostei mashinostroitel'nogo i priborostroitel'nogo fakul'tetov Novosibirskogo elektrotehnicheskogo instituta, Novosibirsk, Novosibirskii elektrotekhn. in-t, 1965. 60 p. [MICROFILM]

## MECHANICAL WEAR

Chemical conversions of organophosphorus compounds at increased temperatures and the nature of the action of these compounds on wear in friction. P.I. Samin, A.V. Ushanova. Neftekhimiya 3 no. 5, 175-180 S-O '63.

Durability of linings of rotary kilns in 1965. N.V. Il'ina and others. Tsement 32 no. 6:11-12 N-D '66.

Experimental investigation of the abrasive wear of the principle parts of centrifugal pumps. A.I. Borokhov, Izv. vuzov tekhn. zap. 1961, 6 no. 5:127-132 '63.

## MECHANICAL WEAR—MEASUREMENT

New method for measuring the degree and distribution of the wear of gear wheel teeth. M.M. Khrushchov, T.S. Berkovich. Vest. mashinost. 46 no. 12:9-10 D '66.

## MECHANICS

Some aspects of the mechanics of a homothetically changing body of variable mass. V.F. Iarovlev. Izv. vuzov tekhn. zap. 1961, 6 no. 170-176 '66.

Symposium on irreversible processes in mechanics of continuum. G.N. Savin. Prikl. mekh. 2 no. 11:11-142 '66.

## MECHANICS, CELESTIAL

Determining acceleration of mass point in complex motion. P.A. Zinavlev. Zap. fiz. 39 no. 3:63-66 '61.

## MECHANISMS

Morlasov, S.I., V.F. Komarov, and V.L. Tokarev. [Theory of mechanisms and parts of precision instruments] Teoriya mekhanizmov i detal' tochnykh priborov. Moskva, Mashinostroenie, 1966. 406 p.

Conditions of the existence of a crankshaft in three-dimensional four-link mechanisms. P.A. Labedev. Izv. vuzov tekhn. zap. 1961, 6 no. 5:147-152 '66.

New design of free-wheeling mechanism with reversible action. L.S. Gol'din, V.I.A. Galantuk. Vest. mashinost. 46 no. 12:15-17 D '66.

Synthesis of mechanisms with forward moving cams. P.V. Sergeev. Vest. mashinost. 46 no. 12:23-25 D '66.

## MECHANIZATION

Birth and formation of track work mechanization. M.T. Chienov. Put' i put. khoz. 10 no. 12:34-36 '66.

## MEDIASTINUM—CANCER

Primary mediastino-pulmonary chorioepithelioma in males. M.S. Starichkov, I.L. Tagel. Vest. rent. i rad. 37 no. 3:50-54 My-Jo '62.

## MEDIASTINUM—RADIOGRAPHY

Atypical form of roentgenological manifestation of mediastinal lymphogranulomatosis. B.I.A. Luk'lanchenko, I.A. Pereslegin. Vop. onk. 9 no. 3:83-87 '63.

## MEDIASTINUM—TUMORS

Atypical form of roentgenological manifestation of mediastinal lymphogranulomatosis. B.I.A. Luk'lanchenko, I.A. Pereslegin. Vop. onk. 9 no. 3:83-87 '63.

Current methods of diagnosis and evaluation of the operability of lung and mediastinal tumors. B.K. Osipov and others. Khirurgiya 39 no. 2:85-90 F '63.

**MEDICAL AND PHARMACEUTICAL CHEMISTRY** see Chemistry, Medical and pharmaceutical

**MEDICAL BOTANY** see Botany, Medical

**MEDICAL CARE, COST OF** see subdivision under Medicine

## MEDICAL ELECTRONICS

Perspects for the use of optic quantum generators in biology and medicine. A.A. Vishnevskii, S.N. Brames. Ezhegod. zh. inest. 8 no. 6:7-14 N-D '63.

## MEDICAL ELECTRONICS—CONGRESSES

Second All-Union Conference on the Use of Electronics in Biology and Medicine. IU B Mendel'eva. Med. rad. 7 no. 8:100-101 Ag '62.

## MEDICAL ETHICS

Some problems in ethics in the work of the pharmacist. I.E. Ivanov. Apt. delo 12 no. 1:7-12 Ja-F '63.

## MEDICAL GEOGRAPHY

Chaklin, A.V. [Geography of malignant tumors] Geografiya zlokachestvennykh opukholei, Moskva, Znaniye, 1966. 46 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya. Biologiya i medicina, no. 24)

Problems of epidemiological geography. Report No. 7: Significance of antrophosphere in the geography of zoonose pathogens. I.I. Ilkin, V.K. Iashkul'. Zhurn. mikrobiol., epid. i immun. 43 no. 11:101-109 N '66.

Regional characteristics of the occurrence of malignant neoplasms in the Ukrainian S.S.R. N.G. Zinchenkovskii, R.G. Phakin. Klin. onk. no. 1:216-223 '65.

**MEDICAL GEOGRAPHY—RESEARCH** see subdivision under Siberia, Soviet Far East

**MEDICAL GYMNASTICS** see Exercise therapy

## MEDICAL INSTRUMENTS AND APPARATUS

Universal mouth-dilating apparatus for mechanical therapy of the lower jaw. A.A. Akhmedov. Azerb. med. zhurn. no. 7:68-70 Ji '62.

## MEDICAL JURISPRUDENCE

Vinogradov, I.V., and A.S. Curcey. [Laboratory examinations in the practice of forensic medicine, reference book] Laboratornyye issledovaniya v praktike sudel'mo-meditsinskoi ekspertizy, spravochnoe posobie, Moskva, Meditsina, 1966. 234 p.

**MEDICAL LABORATORIES** see Laboratories, Medical

## MEDICAL LIBRARIES

A conference on the problems of bibliographic information in medical libraries. L.P. Sov. bibl. no. 5:106-108 '66.

## MEDICAL MICROBIOLOGY

Ashmarin, I.I. [Practical medical microbiology] Prakticheskaya meditsinskaya mikrobiologiya; rukovodstvo. 2. izd., ispr. i dop. Tashkent, Meditsina, 1966. 323 p. (DNLM)

Comparative evaluation of different methods for isolating minimal doses of tick-borne encephalitis viruses. P.S. Kuraseva, B.F. Semenov. Trudy Moskovsk. nauch.-issled. inst. virus prep. no. 3:74-79 '65.

From the practice. L.A. Kolesinskaya, S.M. Sosonko. Lab. delo no. 1:31 '67.

Multiplication of influenza viruses in chick embryos and significance of this factor in the production of influenza preparations. T.G. Orlova, L.A. Porubel', IU. N. Tatarskaya. Trudy Moskovsk. nauch.-issled. inst. virus prep. no. 3:163-174 '65.

Study of adsorption and elution processes of influenza virus. T.G. Orlova, L.A. Porubel', IU. N. Tatarskaya. Trudy Moskovsk. nauch.-issled. inst. virus prep. no. 3:161-167 '65.

## MEDICAL MICROBIOLOGY—CONGRESSES

Mezhinstitskaya nauchnaya konferentsiya pamiati L.A. Tarasevicha, 1965. [Materials of the Interinstitute Scientific Conference in Memory of L.A. Tarasevich; strains, vaccines, sera and antibiotics] Materialy; otklady, vaktsiny, syvorotki i antibiotiki. Moskva, Goskoniol'nyi in-t med. biologicheskikh preparatov, 1965. 365 p. (DNLM MICROFILM)

**MEDICAL MICROBIOLOGY—CULTURES AND CULTURE MEDIA**

Automatic measuring of the consumption of liquid media under sterile conditions. V.N. Chernov. Lab. delo no. 1:57-58 '67.

Use of selenite medium for bacteriological diagnosis of intestinal infections. A.E. Nustov and others. Lab. delo no. 1:40-42 '67.

**MEDICAL MICROSCOPY** see Microscopy, Medical

## MEDICAL PERSONNEL

Engel'taler, E.S. [High calling; essays on people of a noble and restless profession] Vysokoe prizvanie; ocherki o lyudiakh blagorodnoi i bespokoi noi professii. Riga, Liesma, 1966. 148 p.

**MEDICAL RADIOLOGY** see Radiology, Medical

## MEDICAL RECORDS

New forms for recording traumas in the industry. V.N. Chetvortkova, R.G. Saks. Traumatologiya no. 1:16-19 '61.

## MEDICAL RESEARCH

Collaboration is necessary! Nikolai Strokovskii. Sov. Uki. 12 no. 4:142-147 Ap '62.

Some problems in the organization of scientific activity in a rural district hospital. V.I. Shepotinovskii. Sov. med. 26 no. 3:86-88 M '63.

## MEDICAL SCREENING

Changes in the composition of newly diagnosed patients with pulmonary tuberculosis. M.A. Volkova, I.A. Dilits. Sov. med. 26 no. 12:100-101 D '61.

## MEDICAL STATISTICS

Statistical methods for analyzing the seasonal character in diapher infections. B.L. Cherkashvili, N.V. Likhovakko. Zhurn. mikrobiol., epid. i immun. 13 no. 11:115-122 N '66.

## MEDICAL SUPPLIES

Folding portable board for the transportation of patients with pelvic and spinal fractures. V.S. Smolnitskii. Trudy inst. in. N.V. Sklif. 7:418-419 '63.

## MEDICAL TESTS

Comparative study of examination schedules of oncological patients in 1952 and 1962. G.I. Ivakhno, I.N. Gushitsker. Klin. onk. no. 1:224-229 '65.

Radioactive iodine and scintigraphy test for the determination of the functional state of the thyroid gland in oncological patients. T.N. Khitskaya. Klin. onk. no. 1:205-214 '65.

**MEDICAL THERMOMETERS AND THERMOMETRY** see Thermometers and thermometry, Medical

## MEDICINE

Kirgizskii gosudarstvennyi meditsinskii institut. [Some results of scientific studies during 25 years] Nekotoryye itogi nauchnykh issledovaniy za 25 let, sbornik rabot. Frunze, "Kyrgyzstan," 1964. 165 p. (DNLM)

Safonov, A.G., ed. [Textbook for the training of nurses] Uchebnoye posobie dlya podgotovki meditsinskikh sester, Moskva, Meditsina, 1966. 471 p. (DNLM)

## MEDICINE—ABSTRACTS

Abstracts. Sov. med. 26 no. 3:146-154 M '63.

Brief reports. G.A. Irmaylov and others. Sov. med. 26 no. 12:132-136 D '66.

[Medical abstracts] Med. ref. zhurn. sect. 1 vol. 11 no. 1 Ja '67. Sect. 2 vol. 10 no. 12 D '66; vol. 11 no. 1 Ja '67. Sect. 3 vol. 10 no. 12 D '66; vol. 11 no. 1 Ja '67. Sect. 4 vol. 10 nos. 11-12 N-D '66; vol. 11 no. 1 Ja '67. Sect. 5 vol. 10 nos. 11-12 N-D '66. Sect. 6 vol. 10, nos. 11-12 N-D '66. Sect. 7 vol. 10 nos. 11-12 N-D '66; vol. 11 no. 1 Ja '67. Sect. 8 vol. 10 nos. 11-12 O-D '66. Sect. 9 vol. 10 nos. 10-12 O-D '66; vol. 11 no. 1 Ja '67. Sect. 10 vol. 10 nos. 10-12 O-D '66; vol. 11 no. 1 Ja '67. Sect. 11 vol. 10 nos. 11-12 N-D '66. Sect. 12 vol. 10 no. 10 O '66; vol. 11 no. 1-2 Ja-F '67. Sect. 13 vol. 10 nos. 10-12 O-D '66.

**MEDICINE—BIBLIOGRAPHY** see Bibliography—Medicine

## MEDICINE—DICTIONARIES

Russian-Azerbaijani medical terminology. Izv. med. zhurn. no. 3:83-88 M '62.

## MEDICINE—HANDBOOKS, MANUALS, ETC.

[Handbook for doctors of polyclinics] Polikliniku arst. leatmik. Tallinn, Valgus, 1966. 497 p. [In Estonian] (DNLM)

## MEDICINE—STUDY AND TEACHING

Views of N.I. Pirogov on the system of medical education; a survey of unpublished documents. S.S. Mikhailov, I.I. Kagan. Khirurgiya 39 no. 2:111-148 F '63.

## MEDICINE, INTERNAL

D'achenko, V.A. [X-ray diagnosis of diseases of the internal organs; manual for doctors and students] Rentgenodiagnostika zabolovaniy vnutrennikh organov; rukovodstvo dlya vrachei i studentov. 2. izd., dop. Moskva, Meditsina, 1966. 504 p. (DNLM)

## MEDICINE, RURAL

Tuberculosis of the respiratory tract in rural residents. E.G. Belosiltud. Sov. med. 26 no. 12:36-39 D '66.

## MEDICINE AND RELIGION

Medicine is against religion. M. Anan'ev. Agitator no. 2:43-45 Ja '62.

Riabushkin, N.V. [Science against religion] Nauka protiv religii, Moskva, Meditsina, 1966. 47 p. (Nauchno-populiarnaya meditsinskaya literatura)

**MEDIEVAL ART** see Art, Medieval

## MEDITERRANEAN SEA—FORAMINIFERA

Distribution of Foraminifera in surface layers of sediments in eastern part of Mediterranean Sea. E. M. Emec-  
Otolitologia 6 no 5 417-422 '66

## MEDITERRANEAN SEA—TITANIUM

Titanium in sediments of Mediterranean Sea. E. M. Emec-  
Lit 1961 150p no 6 3-16 N-D '66

## MELANOMA

Metastases in melanoma. I. I. Zhukovskii. So. med  
24 no 3 124-127 Tr '63

## MELITOPOL' DISTRICT—RURAL CONDITIONS

Study of the social structure of the rural village.  
IU. V. Brutunian. Vest Mosk un Ser 8: Fil's 21  
no 3 10-24 '65-Je '66

## MELITOPOL' DISTRICT—SOCIAL MOBILITY

Study of the social structure of the rural village.  
IU. V. Brutunian. Vest Mosk un Ser 8: Fil's 21  
no 3 10-24 '65-Je '66

## MEL'MAN, SOF'IA MOISEEVNA, 1891-

S. M. Mel'man, on her 75th birthday. L. B. Alae, I. I.  
Rel. net. Zar Az 1 Afr no 6 153-154 '66

## MELNIK (BULGARIA)—ARCHITECTURE

Remnants of architecture of Bulgaria. S. Bolnisk.  
Stroitel'stvo 14 no 11-32-35 N '66

## MEL'NIKOV, KONSTANTIN STEPANOVICH, 1891-

Architect Konstantin Mel'nikov. IU. Grechuk. Arkhit.  
SSSR no 8/51-55 '66

## MELONS—DISEASE AND PEST RESISTANCE

Reaction of the ecological groups of melons to fungus  
diseases. N. G. Goidzeva. Sbor trud asp imol nauch  
Vost VIR no 2 289-293 '61

## MELONS—WATER REQUIREMENTS

see subdivision under Soviet Central Asia

## MELTING POINTS

Mercury volume jump during melting at pressures up  
to 15 000 kg/cm<sup>2</sup>. V. S. Bogdanov. Zhur fiz khim  
40 no 11 2773-2783 N '66

## MEMBRANES (BIOLOGY)

Study of permeability of artificial membranes for neutral  
and ionizing substances as related to membrane structure.  
I. N. Moiseeva, I. G. Posnakii. Biokhimiia 31  
no 6 1159-1166 '66

## MEMBRANES (CHEMISTRY)

Electrochemical properties of membranes from anion  
exchangers with different structure of ionogen group.  
Part 3. Evaluation of mobility of ions in membranes  
from 15D anion exchangers. T. I. Rozhanskaya, E. A.  
Materova. Elektrokhimiiia 2 no 11 1319-1331 N '66

## MEMORIALS

see subdivision under Georgia

## MEMORY

Electrical activity of the cerebral cortex in rabbits during  
pairing the action of sound with rhythmic light. G. Apo-  
stol, L. G. Voronin. Zhur vsy nerv deit 13 no 4:  
699-704 Ji-Ag '63

## MENINGO-ENCEPHALOMYELITIS

see Encephalo-

## MEASUREMENT

Automatic control of the search for the coordinates of  
identical image points. P. P. Zakharov. Izv vsy. ucheb  
zav. geod. i aerof. no 3 134-138 '62

Concepts of functional scales in a mathematics course in  
secondary schools. A. Orsziller. Uch zap. Ped inst  
Gerts 260/224-245 '65

Exercises pertaining to measurement in a fifth-grade  
arithmetic course. A. G. Borchugova. Uch zap. Ped  
inst Gerts 260/201-203 '65

## MENTAL DEPRESSION

see Depression, Mental

## MENTAL FATIGUE

see Fatigue, Mental

## MENTALLY HANDICAPPED CHILDREN

(see also subdivision under Moscow)

Differential diagnosis of some forms of retarded speech.  
G. V. Matshevskaya. Uch. zap. MGPI no 219/33-46 '64.

## MENTALLY HANDICAPPED CHILDREN—EDUCATION

Knowledge of arithmetic by students who entered the  
first grade of a school for mentally handicapped children.  
M. N. Perova. Uch. zap. MGPI no 219/143-156 '64.

Preschool education of mentally retarded children; according  
to the materials of specialized kindergarten No 468.  
G. M. Guseva. Uch. zap. MGPI no 219 118-120 '64.

Present status and some means to improve the teaching of  
drawing in schools for mentally handicapped children.  
I. A. Groshenkov. Uch. zap. MGPI no 219/157-172 '64

Selecting students for the schools for mentally handi-  
capped children. S. D. Zhabrenskaya. Uch. zap. MGPI  
no 219/103-117 '64.

studying the reading interests of upper classmen of the  
schools for mentally handicapped children. L. M.  
Seidova. Uch. zap. MGPI no 219 130-112 '64

## MENTALLY ILL—HOME CARE

Osipov, L. S., and T. S. Pevzner. [Care for the neuro-  
psychic patient at home] Uchod za nervno-psikhiche-  
skim bol'nym v domashnikh usloviakh. Moskva, Medi-  
tsina, 1966 35 p. (Nauchno-popul'naya meditsin-  
skaya literatura) (DNLM)

## MENTHADIENE

3,4-Carene → p-1,5-menthadene rearrangement in the  
reaction of 3,4-dibromocarene with silver acetate.  
Z. G. Ievlev, I. B. Nomiayevskaya, B. A. Aibazov. Dokl  
Akad. Nauk SSSR 171 no 2 348-351 N '66

## MENTHOL

Technical method of separation of crystalline dl-menthol  
by re-diffusion. N. S. Frumkina, N. N. Zelenetskii,  
Z. I. Golevskaya. Trudy VNIISNDV no 7 109-115 '66

## MERCANTILE BUILDINGS

see subdivision under Ukraine

## MERCAPTANS

see Thiols

## MERCAPTO COMPOUNDS

Synthesis of some mercapto derivatives of pyridine and  
pyrimidine. V. A. Pottinger, V. K. Karp. Dik. khim  
zhur 52 no 12 1305-1310 '66

## MERCAPTO GROUP

Changes in sulfhydryl group content in extremity tissues  
of avifauna following inhibition of their regenerative  
capacity by X-ray irradiation and nitrogen fixation. N. A.  
Teplits, S. P. Kilmua. Dokl. AN SSSR 171 no 1/201-  
1212 D '65.

## MERCAPTOPHOS—PHYSIOLOGICAL EFFECT

Effect of mercaptophos on conditioned reflexes and  
on the cholinesterase activity in cats. IU. S. Kagan.  
Zhur. vsy. nerv. deit. 12 no 3 530-539 My-Je '62.

## MERCHANT MARINE—MANAGEMENT

Method for consolidated calculation of the need for re-  
placement of the marine transportation fleet. B. B.  
Slavov-Borovskii. Trudy Soluz. Mor. NII Proekt no 7 38-  
43 '65

Methodology of quantitative analysis of the productive  
activity of the merchant marine. M. A. Tikhonova.  
Trudy Soluz. Mor. NII Proekt no 7 22-38 '65

## MERCHANT MARINE—PASSENGER TRAFFIC

Coastwise passenger transportation rates and suggestions  
for their improvement. I. I. Makal'skii. Trudy Soluz.  
Mor. NII Proekt no 7 53-69 '65

## MERCHANT MARINE—SCHEDULING

Operative planning of the transportation process in com-  
bined waterway and railroad communications. R. B.  
Khalitov. Trudy Soluz. Mor. NII Proekt no 7 43-55 '65

Use of electronic digital computers in working out sched-  
ules for the movement of ships and the loading of ports.  
L. M. Gusev, K. M. Denisov. Trudy Soluz. Mor. NII Proekt  
no 7 17-22 '65

## MERCHANT SEAMEN

Economic indices of eight- and seven-hour watch and  
work schedules on ships. N. I. Povalliev. Trudy Soluz.  
Mor. NII Proekt no 7 70-82 '65.

## MERCHANT SEAMEN—SALARIES, PENSIONS, ETC.

Material and moral incentives for work in river trans-  
portation. S. Kozlov. Recl. transp. 21 no 7 15-17  
Ji '62

## MERCHANTS

see subdivision under Yugoslavia

## MERCURY

(see also subdivision under Daghestan)

Mercury volume jump during melting at pressures up  
to 15 000 kg/cm<sup>2</sup>. V. S. Bogdanov. Zhur. fiz. khim.  
40 no 11 2770-2783 N '66.

## MERCURY—TOXICOLOGY

Preventive and therapeutic effect of ACTH and cortisone  
in intoxication with mercury preparations. A. V. Kuzne-  
tsov, M. I. Remizova. Trudy LPMI no 32 62-68 '65.

## MERCURY ACETATES

Reaction of phenylacetate with mercury and mercuric  
acetate. IU. A. Otdokop, N. A. Maier, A. V. Bystrala.  
Dokl. AN SSSR 6 no 8-503-504 Ag '62.

## MERCURY COMPOUNDS

Calon thiocyanate complexes of mercury. E. A. Ginner,  
N. D. Belykh. Ukr. khim. zhur. 32 no 12 1270-1272  
'66

## MERCURY ELECTRODES

see Electrodes, Mercury

## MERCURY ORES

see subdivision under Siberian

Platform

see subdivision under Kamchatka

## MEROMORPHIC FUNCTIONS

see Functions, Meromorphic

## MEROMYOSINS

Distribution of light meromyosin in the muscle of the  
fish. B. B. Kofman, V. I. Vankina. Biokhimiia 31 no 6:  
1099 N-D '66

## MESCHIERA—PEAT SOILS

Change in some hydrophysical characteristics of peat  
under cultivation. Kh. N. Stuklov. Vost. khim. 1:  
58-64 '66.

## MESONS

Quark-meson currents and disturbance of CPT invariance  
A. D. Sakharov. Fiz. yad. yuzh. 1:  
5 no 1 36-39 Ja '67.

## MESONS—CAPTURE

Asymmetry of neutron capture in p-capture. V. G. G.  
vinskii. Izd. fiz. 1 no 5-1021-1030 N '66

## MESONS—SPECTRA

Energy spectrum of  $\pi^0$ -mesons generated in the decay  
of  $\eta$  mesons with the emission of pions. A. A.  
Tloustergenova, A. P. Kuznetsov, D. V. Morozov. AN  
Kazakh SSR 19 no 1 79-83 Ja '66

## METABOLISM

Absorption and metabolism of feed digestion products  
in rumen walls. N. V. Kuznetsov and others. 1:  
1 no 6-699-699 '66.

Change in the state of carbohydrate and fat metabolism  
and the intensity of sperm production in broodfish  
under the effect of various rates of nutrient  
rations. P. P. Vashchenko. Trudy Inst. biol. i med.  
Sov. Khim. 1 no 1 229-234 '66.

Effect of ionizing radiation on bacterial metabolism.  
I. A. Shekhtman, V. A. Zaitseva. Radiobiologiya 1:  
666-670 '66

Effect of X-rays on the activity of parametabolism  
to metabolic inhibitors. N. E. Kovaleva. 1:  
6 no 5-629-630 S-D '66

Study of the mechanism of antimetabolite action of  
metabolites. A. K. Belousova. Vost. khim. 1:  
no 12 13-17 '66.

## METACINNABAR

see subdivision under Alkali Metals

## METAL BONDING

Effect of stabilizers on the adhesion of polymers to  
steel. L. B. Kozlovskaya and others. 1:  
no 12-67-68 '66

## METAL CASTINGS—COOLING

Cooling cylinder and sphere-type castings in the  
mold. O. Iu. Kotsinskii. Lit. prot. no 1:  
23 D '66

## METAL CASTINGS—DEFECTS

Mechanism of the origin of temperature stresses  
deformations in castings. L. S. Konstantinov. 1:  
no 12-67-68 '66

## METAL CLADDING

Applying antioncolytic coatings by the method of  
method. V. I. Vinnitskii. Metal. 1:  
25 no 12-21-26 Ag '64

## METAL CLEANING

Effect of continuous renewal of the surface of  
metals on the cathodic process of hydrogen evolution.  
N. D. Tomashov, N. M. Strukov, I. I. Vashchenko. AN  
SSSR 171 no 5-1134-1137 D '66

## METAL CRYSTALS—DEFECTS

Exposure of dislocations in metal crystals by  
etching. A. A. Prudnikov, E. G. Popov, H. I.  
kret. 5:259-261 '65.

## METAL CRYSTALS—GROWTH

Initial forms of growth in electroprecipitation of  
cadmium, zinc, and tin. St. Budakov, N. G.  
Rost. krist. 5:116-116 '65.

Kinetics of  $\beta$ -grain growth in commercial titanium alloy.  
B. A. Kolachev, V. V. Shovel'nikov. Trudy MFTI no 5:  
63-75 '66.

Production and plastic deformation of single crystals of  
refractory metals and alloys. L. M. Savitskii and others.  
Rost. krist. 6:303-310 '65

Studying kinetics of growth of metal crystals. V. I.  
Borisov and others. Rost. krist. 5:84-88 '65

Use of zone refining method in growing single crystals  
of refractory chemically active metals and some of  
their oxides. N. A. Bilitnikov, N. E. Mezharukova, I.  
Starostina. Rost. krist. 6:297-300 '65

## METAL CUTTING

(see also subdivision under Kuznetsk Basin)

Dimensional wear of cutting tools in machining of  
E143B alloy. I. G. Fildender. Vost. khim. 1:  
46 no 12-65-66 D '66.

Gorelov, V. M. [Metal cutting] Reagent metal, M.  
skva, Mashinostroenie, 1966, 206 p.

## METAL CUTTING—VIBRATION

Experimental investigation of vibrations in metal cutting. M. P. Saitan, G. I. Gerasimov. *Probn. Arm.* 9 no. 10 38-41 '66

## METAL-CUTTING TOOLS

Criteria for the dulling of end keyway cutters. A. O. Fleganin. *Vest. Mashinost.* 11 no. 12, 66-67 '66

Makarov, A. D. [Wear and strength of cutting tools] *Lenos i stolkost' razhishchikh instrumentov*, Moskva, Mashinostroyeniye, 1966, 203 p.

## METAL-CUTTING TOOLS—EXHIBITIONS

Skoplov, V. I., M. V. Kalinkov, and K. F. Romanov. [Machine tools and metal-cutting tools at the Leipzig Fair in March 1966] *o chitaniye nauch. i tekhn. informatsionnoy pol'zovaniyu na Leipzigs'koj tselenakaznitshe 1965 g.* Pod obshchey red. V. I. Skoplova. Moskva, Nibusha, 1965, 84 p. (Seriya S-1 Stankostroeniye)

## METAL HALIDES

Surface tension of titanium tetrachloride and vanadium oxydichloride. P. P. Pugachevich, I. V. Gerasimova, I. A. Maslennikov. *Zhur. fiz. khim.* 10 no. 11, 2469-2493 '66

## METAL INDUSTRIES—MANAGEMENT' see subdivision under Leningrad

## METAL IONS

Inhibition of the catalytic activity of metal ions of variable valency in the oxidation of rubber. V. S. Kuz'minskii, V. D. Zaitsev, N. N. Lezhnev. *Vysokom. soed.* 1 no. 11, 1682-1687 N '62

Inhibition of metal cations with silicic ions in water-glycerol solutions. A. A. Zagorodnaya, A. N. Chivikova. *Trudy MKhI* no. 11, 91-94 '61

Temperature dependence of cadmium and thallium cation sorption on platinum. G. S. Mamonov, N. A. Bala-shova. *Elektrokhim.* 2 no. 11, 1158-1160 N '66

## METAL POWDERS

Characteristics of powder shifting during vibrating compaction. I. T. Kibida, T. M. Golubev. *Porosh. met.* 6 no. 11, 14-16 N '66

Selecting powders for preparation of porous blanks. G. P. Tikhonov, I. A. Pyrkov, V. K. Senokko. *Porosh. met.* 6 no. 11, 9-11 N '66

## METAL POWDERS—CORROSION

Atmospheric corrosion of cobalt powder. A. P. Bryuzin, I. U. P. Rodak. *Porosh. met.* 6 no. 11, 1-4 N '66

Chemical nickel plating of iron powders. T. V. Stepanova, L. I. Gannaga. *Porosh. met.* 6 no. 11, 7-8 N '66

## METAL POWDERS—TESTING

Comparative study of properties of nickel-graphite materials from powder of electrolytic and carbonyl nickel. I. M. Kozlovskaya, I. I. Denisenko, V. R. Kuz'min, *Porosh. met.* 6 no. 11, 35-38 N '66

## METAL SPRAYING

Metallization of products made of plastics. N. V. Matukhovskii. *Plast. massy* no. 9, 69-71 '62

## METALDEHYDE

Studying the nucleating activity of metaldehyde and phenol organic metal compounds. N. V. Rychkov, N. N. Pantelev, A. V. Bromberg. *Trudy GGO* no. 186, 3-9 '66

## METALLIC FILMS

Conditions of formation of single-crystal thin films on noncrystalline backings. I. K. Vitel, L. K. Belziter. *Rost krist.* 6, 319-324 '65

## METALLIC FILMS—ELECTRIC PROPERTIES

Crystal structure of phthalocyanine and conductance of systems consisting of metal coated with phthalocyanine film. S. D. Levina and others. *Elektrokhim.* 2 no. 11, 1343-1345 N '66

## METALLIC FILMS—THERMODYNAMICS

Oscillations of electron thermodynamic characteristics of metal film in high pressure region. S. S. Nedozov. *Zhur. tekh. fiz.* 51 no. 5, 1575-1586 N '66

## METALLIC OXIDES

Continuous metal-steam process for the production of hydrogen using natural coal. A. A. Gavrilova. *Trudy IG* 18, 101-109 '62

Microhardness of oxides of some elements. L. N. Baryshova and others. *Izv. AN SSSR, Neorg. mat.* 2 no. 11, 1391-1397 N '66

Polytropic study of metallic oxides with equimolecular mixture NaPO<sub>3</sub>-KCl as the support. I. D. Panchenko, K. M. Bolko, Uki, khim. zhur. 32 no. 12, 1296-1298 '66

## METALLIC OXIDES—THERMODYNAMICS

Role of surface phenomena in the kinetics of chemical reactions, sintering, and accumulation of crystallization of refractory oxides. A. I. Leonov. *Izv. AN SSSR, Neorg. mat.* 2 no. 12, 2166-2174 D '66

## METALLIC OXIDES, EFFECT OF TEMPERATURE ON

Studying solid phase reactions with help of a micrometric dilatometer. A. I. Bessonov, G. A. Tikhonov, I. U. N. Semay. *Porosh. met.* 6 no. 11, 72-76 N '66

## METALLIC SOAPS

Effect of metal alkalis and acids on the structure and properties of hydrocarbon-diluted greases. I. U. Tikhonov, V. V. Smirnov, V. A. Prokopenko. *Dokl. AN SSSR* 171 no. 5, 1115-1117 D '66

## METALLOGRAPHY

Using composite blank methods to study metal flow during forging. T. N. Melnikova. *Fiz. shtamirov.* 8 no. 12, 13-15 D '66

## METALLURGICAL FURNACES

Heating metal in molten glass in furnaces operating on natural gas. T. G. Shadok. *Gaz. prom.* 11 no. 11, 46-47 '66

New developments in research. G. M. Korotkiy, M. I. Starevichskii. *Stal* 26 no. 12, 1111 D '66

## METALLURGICAL PLANTS

Concerning the use of the waste nitrogen of the oxygen producing systems of metallurgical plants. A. P. Korotkiy. *Prom. energ.* 16 no. 11, 21-21 Ja '61

## METALLURGICAL PLANTS—ELECTRIC EQUIPMENT

Change in the control network for a generator and the controllers of the GMP-100/2500 condenser system. G. A. Kol'mov. *Prom. energ.* 16 no. 1, 26-28 Ja '61

## METALLURGICAL RESEARCH

Five-year plan and our objectives. Obshch. sud. 11 no. 3, 3-4 '66

## METALLURGY

Method of investigating pyrometallurgical processes by the change in the magnetic properties of materials. Z. I. Nefedov, M. A. Il'inskiy, B. M. Malinov. *Dop. AN URSR* no. 7, 896-899 '63

Practicability of the anode-jet method of treating metal surfaces. S. A. Dvornik. *Dokl. AN SSSR* 6 no. 8, 444-446 Ag '62

## METALLURGY—ABSTRACTS

[Metallurgy] Ref. zhur. Met. no. 1 Ja '67

## METALS

Ion-exchange extraction of nickel, zinc, and chromium from the sewage of galvanization departments. T. I. Shokhatova, L. K. Rykova. *Vod. tekhn. gidr. soed.* no. 1, 57-70 '66

## METALS—ELECTRIC PROPERTIES

Effect of temperature on potentials of zero charges of some metals in fused lithium and potassium chlorides. I. N. Prilekina, V. A. Kuznetsov, N. P. Maltina. *Elektrokhim.* 2 no. 11, 1307-1311 N '66

Estimation of the energy characteristics of current carriers in metals by the temperature dependence of the thermal electromotive force. M. D. Smolin. *Dop. AN URSR* no. 7, 893-895 '63

## METALS—FRACTURE

Academia nauk URSR, [Mechanism of metal failure] *Mekhanizm razrusheniya metallov*, (Kiev, Naukova dumka, 1966) 121 p. (Respublikanskii mezhvedomstvennyi sbornik. Seriya "Metallofizika")

## METALS—OPTICAL PROPERTIES

Effect of periodic lattice potential on optical properties and other integral characteristics of cubic polyvalent metals. H. N. Ginzht, G. P. Motulevich. *Zhur. tekh. fiz.* 51 no. 1, 1220-1226 O '66

## METALS—THERMODYNAMICS

Relation between entropy of evaporation and entropy in boiling point of metals. I. I. Ivanov. *Zhur. fiz. khim.* 10 no. 11, 2891-2893 N '66

## METALS, EFFECT OF TEMPERATURE ON

Certain phenomena occurring at grain boundaries in well-affected zones. I. U. A. Steinhagen. *Avtom. svar.* 10 no. 12, 0-8 N [i.e. D] '66

## METALS, RARE AND MINOR

(see also subdivision under Turgay Gatos)

Comparative characteristics of two types of rare metal metasomatites. A. V. Kosterin, V. S. Demchenko. *Geol. i geofiz.* no. 11, 16-27 '63

Distribution of rare elements in halogened sediments. T. F. Bolko. *Dokl. AN SSSR* 171 no. 2, 137-460 N '66

## METALS AT HIGH TEMPERATURES

Demidova, T. G. [New metals and metal alloys in engineering] *Novye metall i metallicheskie splavy v tekhnike*, Moskva, Mosk. Avtomekhanicheskii in-t, 1965, 103 p.

Hardness of heat resistant steels at high temperatures depending on addition alloys and heat treatment. N. A. Bystryova, D. I. A. Vishniakov. *Trudy MATI* no. 66, 16-20 '66

## METALS IN THE BODY

Changes in the content of zinc and copper in the blood in hypertension. I. D. Radchinskii. *Sov. med.* 29 no. 12, 11-14 D '66

## METALWORK—HANDBOOKS, MANUALS, ETC.

[Metallurgical handbook in three volumes] *Spravochnik metallista v tekhnike*, Moskva, Mashinostroyeniye, Vol. 3 *Arhekan, N. S.*, ed. Izd. 2, pereb. 811 p.

## METAMORPHISM (GEOLOGY)

(see also subdivision under Lapland, Sayan Mountains, Yenisey Valley)

Alterations of granite and pegmatites under the influence of alkali-containing hydrothermal solutions at increased pressure. V. S. Baidyrt. *Dokl. AN SSSR* 171 no. 5, 1175-1178 D '66

## METASOMATISM see subdivision under Azerbaijan, Khakass Autonomous Province

## METASOMATITE

Comparative characteristics of two types of rare metal metasomatites. A. V. Kosterin, V. S. Demchenko. *Geol. i geofiz.* no. 11, 16-27 '63

## METASTASIS

Clinicoma of the uterus and ovaries combined with malignant tumors of other localizations. S. M. Shchek. *Klin. onk.* no. 1, 157-160 '65

Comparative study of the effect of different doses of growth promoting substance of petroleum origin on the development of experimental tumors. S. A. Gulteva. *Azerb. med. zhur.* 40 no. 1, 15-26 Ap '63

Development of methodology for using ionizing radiations in the general complex of therapeutic measures for preventing and treating relapses and metastases of lymph node cancer. I. T. Shchepchenko, P. I. Nekrasov. *Klin. onk.* no. 1, 28-33 '65

Generalized metastases of symptomatic cancer of the prostate gland, one observation. V. N. Fedorov, E. V. Morchun, R. Kh. Murtcheva. *Vop. onk.* 12 no. 12, 59-60 '66

Lymphogenic metastasis and its significance for rational planning of the treatment of breast cancer. S. A. Kholidin. *I. U. Dvornikii. Vop. onk.* 9 no. 3, 96-102 '63

Metastases in melanoma. I. M. Zhukovskii. *Sov. ned.* 26 no. 3, 121-127 M '63

Metastasis of malignant tumors into the spleen. Vop. onk. 9 no. 3, 58-61 '63

Osteous metastases of stomach cancer: observations. V. M. Medvedskaya. *Vop. onk.* 12 no. 12, 56-57 '66

Technique of the radiological treatment of metastases in the lymphatic glands in tumors of the head and neck. M. A. Volkova. *Med. rad.* 7 no. 8, 32-37 Ag '62

## METEORITES

Quantitative mineralogical and chemical composition of Okhotsk meteorite based on old and new data. P. N. Chivinskii, A. N. Kobak. *I. U. K. Mitin. Nauch. trudy Peim. politekh. inst.* no. 12, 29-38 pt. 1 '62

## METEOROLOGICAL INSTRUMENTS

Automatic impactor. S. L. Shtaklov, G. V. Stepanov, S. V. Shvedov. *Trudy VGI* no. 3, 43-17 '66

## METEOROLOGICAL MODELS

Experimental checking of validity of parabolic ionosphere model for unevenly oblique sounding. I. U. A. Chernov. *Geomag. i aer.* 6 no. 6, 1047-1050 N-D '66

## METEOROLOGICAL SATELLITES

Kondrat'ev, K. I. A., E. P. Bol'shenkov, and A. A. Morozkin. [Practical use of data from meteorological artificial satellites] *Prakticheskoe ispol'zovanie dannykh meteorologicheskikh sputnikov*, Leningrad, Gidrometeoizdat, 1966, 375 p. illus.

## METEOROLOGY

(see also subdivision under Schirmacher Ponds, Antarctica)

Characteristics of atmospheric pressure and circulation in years with abnormalities in the water supply of the Kama, Pechora, and Vychegda River. L. A. Zhivkovich. *Vest. Mosk. un. Ser. 5: Geog.* 21 no. 6, 103-105 N-D '66

Type characteristics of basic varieties of atmospheric circulation patterns during the cold part of the year. A. A. Glis. *Probl. Arkt.* no. 7, 65-70 '59

Zonal indices of atmospheric circulation. G. I. A. Vangen-gelm. *Probl. Arkt.* no. 7, 55-63 '59

## METEOROLOGY—OBSERVATIONS

[Sixth semiannual catalog of IGY meteorological data] *Sheshtimes. kat. nal. dan. MGG po meteor.* July 1957-June 1960, publ. '60

## METEOROLOGY, AGRICULTURAL

(see also subdivision under Caucasus, Northern)

Methodology of evaluation of effect of close ice crust on wintering of wheat. V. M. Lichikaki. *Meteor. i gidrol.* no. 12, 40-41 D '66

Vitkovskii, V. I. [Agricultural meteorology] *Sel'skokho-ziaistvennaya meteorologiya*, Izd. 2., perer. Moskva, Kolos, 1966, 382 p. (Uchebnik i uchebnye posobia dlia vysshikh sel'skokhoziastvennykh uchebnykh zavedenii) (DNA)



## METEORS

Cybernetics of the radiant of  $\gamma$ -Aurora, 1962. A. N. Simonenko. Izv. AN Turk. SSR, Ser. fiz.-tekhn. i geol. nauk no 6-119-120 '62

Kashcheev, B. L., V. N. Lebedevets, and M. F. Lagulin. [Meteorite phenomena in the earth's atmosphere] Meteoritnye yavleniya v atmosfere Zemli. Moskva, Nauka, 1967 259 p. (Akademiya nauk SSSR, Mezhduvedomstvennyi geofizicheskii komitet, Issledovanie meteorov, no. 2)

Photographic photometry of meteorites attached to the tails of comets. A. (Khudakov, S. Kulikov, S. Khudakov, Izv. AN Turk. SSR, Ser. fiz.-tekhn. i geol. nauk no 2-128-129 '61

Two nomograms for determining the parameters of meteor trail drifts. A. N. Simonenko. Izv. AN Turk. SSR, Ser. fiz.-tekhn. i geol. nauk no 5-128-129 '62.

## METEORS—PHOTOGRAPHS

Orbits of bright meteor photographs at Dushanbe and Osh. P. B. Bahadzhinov, E. N. Khamatov. Astron. zhur. 43 no 6-1306-1312 N-D '66

## METHACRYLAMIDE

Formation of supermolecular polymer structures during polymerization of some crystalline monomers. N. A. Plote and others. Vysokom soed. 8 no 10-1727-1732 O '66.

Mechanism of photochemical grafting of methacrylamide to polymers containing acetate group. S. K. Kudina. Vysokom soed. 8 no 10-1828-1831 O '66

Study of methacrylamide grafting to transected cellulose films under the effect of ultraviolet irradiation. S. K. Kudina. Vysokom soed. 8 no 10-1823-1827 O '66

## METHACRYLIC ACID

Carboxylic polymers and copolymers. Part 42: Graft copolymers of acrylonitrile and methacrylic polyester of  $\omega$ -hydroxycyclohexanecarboxylic acid. G. S. Kolesnikov, G. T. Gusev. Vysokom soed. 1 no 11-1709-1713 N '62

Effect of glass fiber on the mechanical properties of polyethylene and polymethyl methacrylate in various states. V. P. Solomko, L. S. Semko. Khim. prom. Ukr. no 6-17-20 N-D '66.

Study of polyvinyl alcohol - polymethacrylic acid associates. G. I. Detsky and others. Vysokom soed. 8 no 10-1737-1741 O '66

Synthesis and polymerization of allyl and methacrylic esters of alkylphosphonic acids. I. P. Noskova, L. N. Turovskaya, A. A. Bortin. Plast. massy, no 12-7-10 '66

## METHACRYLIC ACID—ELECTRIC PROPERTIES

Conductance and viscosity of mixtures of aqueous solutions of polymethacrylic acid and polyvinyl alcohol. L. S. Okhrimenko and others. Vysokom soed. 8 no 10-1707-1711 O '66

## METHANE

Calculation of the methane losses of coal core and drilling mud in the hole when redrilling coal seams. I. V. Bukin, L. V. Glinin. Izv. vuz. ucheb. zav. geol. i razv. 6 no 6-85-92 Je '63

Mechanism of reactions involved in the thermal decomposition of methane under homogeneous conditions. I. G. Petrenko. Trudy IGI 18:21-28 '62

Obtaining pure methane from natural gas. A. M. Kulev and others. Azerb. neft. khoz. 12 no 7-11-13 Ji '63

## METHANE—SPECTRA

Using infrared spectroscopy for determining methylene chloride content in the mixture of chloroform and carbon tetrachloride. N. A. Hozhenko, V. M. Malynko. Khim. priroda i zhizn' no 3-65-68 Ji-S '62

## METHANOL

Influence of the reactor walls on the oxidation of methanol. M. P. Ievmenko and others. Dop. AN URSR no 11-1477-1479 '62.

## METHIONINE

Effect of vitamin B<sub>12</sub> on the requirement of swine and laboratory animals in methionine. M. G. Tomme, E. G. Filipovich. Sel'khoz. biol. 1 no 6-876-882 '66.

## METHODOLOGY—CONGRESSES

Philosophers discuss methodology problems. I. A. Kozlov. Vest. Mosk. univ. Ser. 8: Filos. 21 no 3-87-91 My-Je '68.

## METHYL GROUP

Methyl group transposition in heptamethyl benzolium ion. V. A. Koptilov and others. Dokl. AN SSSR 171 no 5-1103-1112 D '66.

## METHYL ORANGE

Differential potentiometric titration of mixtures of strong oxidants with methyl orange solutions. S. A. Guskakova. Zhur. anal. khim. 21 no 12-1462-1469 '66.

## METHYLENE BLUE

Diagnostic value of Black's reaction in malignant tumors. S. A. Gullieva, M. D. Abdullayev. Azerb. med. zhur. no 7: 28-32 Ji '62.

Methylene blue test for the determination of bilirubin in the urine. O. V. Pakusina. Azerb. med. zhur. 40 no 3-39-43 Mr '63.

## METHYLTHYMOL BLUE

New photometric methods for the determination of niobium and tantalum in metals and alloys. Report No. 5. Study of niobium complex with methylthymol blue. S. V. Elinson, N. A. Muzyan. Zhur. anal. khim. 21 no 12-1442-1446 '66

## METRIC SYSTEM

Introduction of the International System of Units in the U.S.S.R. V. P. Kuz'kov. Stroi i domash. 8 no 8-33-35 Ag '63.

## MICA

Characteristics of inner structure of mica-bearing pegmatites. I. V. Davidenko. Min. zhur. no 11-14-61 '66

Guide elements from mica-bearing pegmatite veins. H. P. Smirnov. Razv. i okhr. nedr. 26 no 3-17-20 Ji '63

Mechanism of the formation of coagulation structures in aqueous dispersions of polyoxysilicate and hydronium under the effect of ultrasound. N. N. Kruglykh and others. Izv. AN SSSR Neorg. mat. 2 no 12-2213-2220 D '66

The S-1 mica separating equipment. M. G. Kuzakov, V. V. Panfrazov. Gor. zhur. no 12-64 D '66

## MICA—MOLDING

Die for gap-free molding of condenser mica. A. P. Komarov. Kuz.-shl. i smalt. 8 no 12-45 D '66.

## MICE AS CARRIERS OF DISEASE

Case of detection of Pasteurella tularensis in mummified carcasses of house mice imported with grain. T. K. Klimova. Trudy Gos. nauch.-issl. profilaktich. inst. 16-229-231 '59

## MICHURIN, IVAN VLADIMIROVICH, 1856-1935

Dubinin, N. P. [Theoretical bases and methods of I. V. Michurin's work] Teoreticheskie osnovy i metody rabot I. V. Michurina. Moskva, Prosveshchenie, 1966, 182 p.

## MICROBIOLOGICAL RESEARCH

(see also subdivision under Canada, Poland, Soviet Far East)

Determining biomass of microbial cells (up to 10<sup>-10</sup> g) by interference microscopy. T. N. Evrelina. Mikrobiologiya 35 no 5-925 S-O '66

Effect of multiple vaccinations against brucellosis under experimental conditions on the nature of response reaction of the body. M. G. Shmutter and others. Zhur. mikrobiol. i epid. i immunit. 33 no 6-82-86 Je '62

Some patterns of the adsorption of microorganisms on ion-exchange resins. D. G. Zvinglitsky. Mikrobiologiya no 2-339-343 Mr-Apr '62

## MICROBIOLOGICAL SOCIETIES

Scientific conference of the Moscow Branch of All-Union Microbiological Society. Mikrobiologiya 35 no 5-923-925 S-O '66

## MICROBIOLOGY

(see also subdivision under Black Sea)

Biological oxidation in microbiology. V. N. Shashchukov. Izv. AN SSSR Ser. biol. no 3-348-365 My-Je '63.

MICROBIOLOGY—BIBLIOGRAPHY see Bibliography—Microbiology

## MICROBIOLOGY—CONGRESSES

9th International congress of microbiologists. E. N. Mikhurin, S. I. Lycheva. Vest. AN SSSR 38 no 12: 18-53 D '66.

Symposium on microbial physiology and continuous cultivation. N. D. Ierusalimskii, V. K. Eroshin. Mikrobiologiya 35 no 5-920-922 S-O '66

Work of the Third Hungarian Microbiological Congress. A. A. Imshenetskiy, G. K. Skriabin, L. V. Kelmetskii. Mikrobiologiya 31 no 2-377-378 Mr-Apr '62.

## MICROBIOLOGY—CULTURES AND CULTURE MEDIA

Comparative study of the biological characteristics of some radioresistant variants of microorganisms. K. P. Kashkin. Vop. radiobiol. 4:313-321 '61.

Effect of prolonged storage of culture media on tissue cultivation. K. I. Kokovikhina, E. N. Levchenko, T. A. Dubova. Trudy Mosk. nauch.-issl. inst. virus. prep. no 3-264-269 '65

Effect of thioles on free amino acid accumulation in cultures of microorganisms. E. L. Ruban, L. B. Lohyeva. Mikrobiologiya 35 no 5-784-786 S-O '66.

Quantitative determination of tryptophan by diffusion method with help of indicator cultures of Escherichia coli and Bacillus subtilis. I. V. Konova, N. M. Verbina. Mikrobiologiya 35 no 5-906-911 S-O '66.

## MICROBIOLOGY—TECHNIQUE

Automatic calculation of microorganisms differing in their luminescence color. D. P. Babadzhanyan, V. M. Borodina, L. B. Kamir. Prikl. biokhim. i mikrobiol. 2 no 6-703-706 N-D '66.

Evaluation of the effectiveness of the flotation method of gastric and bronchial lavage in the diagnosis of pulmonary tuberculosis. R. A. Safarov, A. M. Agadzhanova. Azerb. med. zhur. 40 no 9-44-47 S '63

## MICROCHEMISTRY

Oxidation of amino nitrogen in microelement analysis of organic compounds containing nitrogen. T. I. Margolis. M. N. Dobrynin. Vest. Mosk. univ. Ser. 2: Khim. 11 no 5-79-82 S-O '62

## MICROCLIMATOLOGY

Kolbasova, V. A., T. E. Pashchenko, and O. D. Rozhanskaya. [Microclimate of plant-growing hothouses with film covers] Mikroklimate kul'turnostey v sered zheni s plesenchymi pokrytymi Leningrad, Gidrometeor. izd-vo, 1966 118 p. (DNAL)

## MICROCLINE

Synthesis of fluorophosphate from a mixture based on microcline. A. A. Bobtchev. Nost. i. i. t. 3-3-106 '65

## MICROCOCCUS

Oxidation of succinate in the structural elements of Micrococcus lysodeikticus in relation to the presence of acid and magnesium ions. M. A. Lukhina, P. A. Gelfman, A. I. Opina. Biokhimiya 2 no 2-34-37 Mr-Apr '63

## MICROCOCCUS—CULTURES AND CULTURE MEDIA

Effect of raw material quality on L-lysine biosynthesis by Micrococcus homoserine strain 5. I. Alshanskaya and others. Prikl. biokhim. i mikrobiol. 2 no 6-635-660 N-D '66.

Purification of enzyme complex of NADH and malic dehydrogenases from Micrococcus lysodeikticus strains. I. G. Zhukova and others. Biokhimiya 31 no 12-1201-1215 N-D '66

## MICRO-ORGANISMS, CELLULOSE DECOMPOSING

Activity of cellulose decomposing microorganisms in semidesert stony soils of the Armenian S. R. I. A. Khachikyan. Izv. AN SSSR, Ser. biol. no 7, 113-145 My-Je '63.

## MICRO-ORGANISMS, EFFECT OF DRUGS ON

Changes in the reactivity of the microflora causing autoinfection in radiation sickness to antibiotics. I. D. Meter. Vop. radiobiol. 1, 108-312 '61

## MICRO-ORGANISMS, NITROGEN-FIXING

Ability of nodular bacteria to assimilate hard-to-dissolve calcium phosphates. V. P. Zaitseva, E. G. Tomashchikova, S. M. Malinskaya. Sel'khoz. biol. 1 no 6-842-850 '66.

Cultivation of nodules-forming bacteria by submerged method. V. D. Vukich. Mikrobiol. zhur. 28 no 5-55-59 '66.

Effect of inhibitors on electron transfer chain in putrefactive bacteria as related to molecular nitrogen fixation. I. D. Ivanov, N. S. Demina. Mikrobiologiya 35 no 5-789-793 S-O '66

Oligonitrophic bacteria and their nitrogen-fixing ability. N. M. Mal'tseva. Mikrobiol. zhur. 28 no 6-83-87 '65

MICROPALEONTOLOGY, STRATIGRAPHIC see subdivision under Sevastopol (Turkmenistan)

## MICROSCOPY—TECHNIQUE

Use of a celluloid film instead of a cover glass. F. N. Simonovich. Med. par. i. i. par. i. i. 32 no 2-220-227 Mr-Apr '63

## MICROSCOPY, MEDICAL

Clinicopathological examination in intraepithelial cancer of cervix uteri. "Almed" biopsy and surface stereomicroscopy of the removed tissue cone. A. B. Derzhine. Vop. onk. 9 no 3-88-96 '63

Zakharova, I. A. [What can be expected from the microscopic study of tumors] Chito dact mikroskopicheskoe izucheniye opukholov. Alma-Ata, "Kazakhstan", 1966, 27 p. (DNLM)

## MICROWAVE MEASUREMENTS

Frequency conversion during measurement of group delay time using the  $\pi$ -point method. V. V. Molevskiy. Izv. vuz. ucheb. zav. radiotekh. 9 no 6-791 N-D '66

## MICROWAVE TUBES

Contribution to the theory of cylindrical microwave tubes. L. A. Derzhina, V. N. Kurashov. Radiotekh. i elektron. 11 no 12-2163-2169 D '66.

## MICROWAVES

Absorption of power by a magnetized ferrite spheroid in a rectangular waveguide. A. V. Kislakovskiy, V. S. Vintsemer. Izv. vuz. ucheb. zav. radiotekh. 9 no 5-665-667 S-O '66

Analysis of the propagation of beam guide waves in a nonuniform medium. R. F. Matveyev. Radiotekh. i elektron. 11 no 11-1960-1966 N '66.

Antenna with limited excitation zone. O. N. Tereshina, A. E. Gurov, I. I. Antipenko. Radiotekh. i elektron. 11 no 11-1944-1952 N '66.

Avalanche transit diode, a new semiconductor microwave device. V. M. Val'd-Porlov, A. V. Krasilov, A. S. Tager. Radiotekh. i elektron. 11 no 11-2008-2013 N '66.

## MICROWAVES (Continued)

**Byshitskii, N. P.** [Magnetron amplifiers (amplifiers)] *Magnetonnye usiliteli (amplifitsionnyye)*. Moscow, Sov. radio, 1966, 75 p. (Elementy radioelektronnogo apparatury, no. 4)

Calculation and measurement of wave impedance and coupling impedance of wave guides with periodic structures. *N. M. Chirkov, V. E. Il'iamov, Izv. vuz. radiofiz. 9 no. 5:667-671 S-O '66*

Calculation of current density in the representation of cathode lenses. *I. U. Kulikov, Radiotekh. i elektron. 11 no. 12:2196-2199 D '66*

Calculation of interaction coefficients and electron conductivity for cavities with two interaction gaps. *I. A. Katsman, S. M. Movnin, Radiotekh. i elektron. 11 no. 12:2242-2251 D '66*

Calculation of the Q-factor of a helical delay line with return line cut along the axis. *I. U. S. Belozorov, Radiotekh. i elektron. 11 no. 12:2251-2252 D '66*

Calculation of the reduction factor of the space charge field of electron beams moving in periodic electrostatic fields. *O. F. Meshkov, Radiotekh. i elektron. 11 no. 12:2176-2185 D '66*

Contribution to the theory of Brillouin electron streams. *V. N. Danilov, Radiotekh. i elektron. 11 no. 11:1894-2007 N '66*

Contribution to the theory of the excitation of a gyrotropic plasma wave guide of a conical line. *V. A. Buta, S. S. Kalmykova, V. I. Kurliko, Radiotekh. i elektron. 11 no. 11:2069-2072 N '66*

Cooled 3 cm. band circulator. *B. B. Krynetskii, G. P. Kuz'min, A. V. Shukov, Radiotekh. i elektron. 11 no. 12:2248 D '66*

Distribution of electrostatic potentials in a round quadrupole helix. *A. S. Bondarev, A. I. Tolpukov, Izv. vuz. ucheb. zav., radiotekh. 9 no. 5:683-685 S-O '66*

Distribution of energy flow created by a system of random monochromatic sources. *E. V. Chayevskii, Radiotekh. i elektron. 11 no. 11:1927-1932 N '66*

Electrical parameters of a wave guide slot bridge. *I. G. Dorofanov, V. V. Il'iamov, Radiotekh. i elektron. 11 no. 11:1933-1913 N '66*

Electromagnetic excitation of a finite metal cone. *D. M. Sazonov, I. G. Ibrashkin, Radiotekh. i elektron. 11 no. 11:1874-1966 N '66*

Evaluation of the directivity factor of radiators in presence of phase and amplitude distortions. *V. V. Mikhlinov, Radiotekh. i elektron. 11 no. 11:2066-2069 N '66*

Feature of using periodic structures in the capacity of millimetric and transmission lines. *L. I. Kats, E. L. Kulikov, Radiotekh. i elektron. 11 no. 11:2074-2077 N '66*

Features of multichannel communication in the optical band with frequency division of channels. *I. A. Deiglin, V. N. Kurashov, Radiotekh. i elektron. 11 no. 12:2147-2152 D '66*

Ferromagnetic magnetostatic microwave amplifier. *A. P. Safan'evskii, S. V. Rykov, V. V. Maslennikova, Radiotekh. i elektron. 11 no. 11:2077-2079 N '66*

Frequency conversion using double modulation of light. *V. A. Dianova, E. R. Mutsel', A. P. Ilishuk, Radiotekh. i elektron. 11 no. 11:2092-2095 N '66*

Input impedance of a quantum amplifier cavity. *V. F. Kuz'min, K. N. Shchelkanov, Izv. vuz. ucheb. zav., radiotekh. 9 no. 5:678-680 S-O '66*

Mirror beamguides. *V. F. Vrialyshov, Radiotekh. i elektron. 11 no. 12:2242-2244 D '66*

Nature of the noise of some photoelectron multipliers with a lower dynode system. *V. P. Shtompel' and others, Radiotekh. i elektron. 11 no. 12:2191-2195 D '66*

New method for measuring the width of ferromagnetic resonance line in ferrites. *E. L. Kulikov, V. K. Il'in, Izv. vuz. ucheb. zav., radiotekh. 9 no. 5:610-615 S-O '66*

Nonlinear transformation of video signals in a controlled transmission line with ferrite. *Izv. vuz. ucheb. zav., radiotekh. 9 no. 5:673-675 S-O '66*

Optical rectifiers based on Faraday effect. *A. L. Mikaelian and others, Radiotekh. i elektron. 11 no. 12:2240-2241 D '66*

Optimal reception of narrow-band optical signals. *S. A. Ginzburg, Radiotekh. i elektron. 11 no. 12:2235-2237 D '66*

Parametric oscillator synchronization using the difference frequency. *K. K. Likharev, Radiotekh. i elektron. 11 no. 11:2086-2088 N '66*

Potential relief reflection in an electron mirror. *O. M. Arismonov, S. A. Komolov, Radiotekh. i elektron. 11 no. 12:2188-2190 D '66*

Saturation power and efficiency of a tube with composite delay system. *M. I. Polgina, Izv. vuz. ucheb. zav., radiotekh. 9 no. 5:676-678 S-O '66*

Simplified calculation of stepped transitions and directional couplers with random number of elements. *L. G. Kirillov, Radiotekh. i elektron. 11 no. 12:2249-2250 D '66*

Statistical analysis of nonequidistant antenna arrays. *L. G. Sodin, Radiotekh. i elektron. 11 no. 11:1953-1959 N '66*

Two-level solid-state quantum oscillator and 8 mm. band amplifier with increased recurrent inversion frequency. *I. A. L. Shamfarov, Radiotekh. i elektron. 11 no. 11:2044-2052 N '66*

Use of induced cyclotron radiation of electrons in the generation and amplification of high-powered electromagnetic oscillations. *I. I. Antakov and others, Radiotekh. i elektron. 11 no. 12:2254-2257 D '66*

Use of the structure of nonuniformly widened line of electronic paramagnetic resonance for increasing the active time duration of two-level solid-state paramagnetic amplifiers. *I. A. L. Shamfarov, Radiotekh. i elektron. 11 no. 11:2057-2056 N '66*

**Vainshtein, L. A.** [Open resonators and open waveguides] *Okrytye rezonatory i okrytye volnovody*. Moscow, Sov. radio, 1966, 474 p.

## MICROWAVES—SCATTERING

Backscattering of centimeter radio waves by agitated sea surface at small glancing angles. *A. I. Kolmykov and others, Izv. vuz. ucheb. zav., radiotekh. 9 no. 5:1095-1099 '66*

MIDDLE AGES see subdivision under Great Britain

## MIDDLE AGES—HISTORIOGRAPHY

Bourgeois historiography of the social structure of medieval society. *N. A. Brig, Vop. ist. 41 no. 12:82-98 D '66*

Historiographical elements in the lecture course on the Middle Ages offered in the faculties of history of pedagogical institutes, based on the example of the Kamensk-Podolskiy Pedagogical Institute. *P. F. Laptin, Sred. veka no. 29:315-321 '66*

## MEZELATIS, EDUARDS, 1919-

**Lankalis, Jonas.** [The man of E. Mezelahtis. Translated from the Lithuanian] *Chelovek E. Mezelahtisa*. Moscow, Khudozh. lit-ra, 1965, 97 p. (Massovaya istoriko-literaturnaya biblioteka) (MH)

## MIKHNOVSKI, VLADIMIR KONSTANTINOVICH,

1890-  
Vladimir Konstantinovich Mikhnovskii. *Agrokhimika no. 12:135-139 D '66*

MILI STEPPE see Kura Lowland

MILITARISM see subdivision under Germany, Germany, West

## MILITARY ART AND SCIENCE

The role of man and equipment in modern war. *A. Kliment'ko, Komm. Voenizh. Sl. 3 no. 10:20-31 My '63*

Theoretical and methodological basis of Soviet military science. *D. Karakov, Koim. Voenizh. Sl. 3 no. 10:7-15 My '63*

## MILITARY ART AND SCIENCE—DICTIONARIES

**Kulsenko, V. L., comp.** [Hungarian-Russian military dictionary. Approximately 25,000 terms] *Vengersko-russkii voennyi slovar'*. Okolo 25 000 terminov. Moskva, Voenizdat, 1966, 416 p.

**Nikol'skii, L. B., ed.** [Korean-Russian military dictionary. Approximately 20,000 terms] *Koreisko-russkii voennyi slovar'*. Okolo 20 000 terminov. Moskva, Voenizdat, 1966, 201 p.

## MILITARY BASES

Foreign military bases in Asia, Africa, and Latin America. *I. U. Iudin, Mezhdunar. zhizn' 11 no. 1:147-150 '67*

## MILITARY EDUCATION

The provincial committee and the school. *A. Galidov, Kryl. rod. 17 no. 9:8-9 S '66*

Raised military qualifications of political workers during the last war. *S. Zakharov, Voen. ist. zhurn. 8 no. 12:3-10 D '66*

**Sidel'nikov, I. I.** [To the soldier about the new five-year plan] *Voinu - o novoi plattelke*. Moskva, Voenizdat, 1966, 109 p.

A worthy welcome to the 50th anniversary of the October Revolution. *Kryl. rod. 17 no. 9:1 S '66*

MILITARY INTELLIGENCE see subdivision under France

MILITARY MUSEUMS see subdivision under Leningrad

## MILK

Effect of feed proteins on the milk yields of goats. *O. N. Solomonova, Trudy Inst. gen. no. 26:148-151 '62*

## MILK—COMPOSITION

Vitamin content of the milk of cows fed patterns containing urea. *L. A. Kruglova, Khim. v sel' khoz. 4 no. 12:49-51 D '66*

## MILK—PASTEURIZATION

Pasteurization of milk by ultraviolet rays. *V. P. Korotzhinov, V. A. Bakrak, V. M. Belonov, Veterinarika 43 no. 1:91-93 Ja '67*

## MILK—STERILIZATION

Sterilization of milk in the focuses of foot-and-mouth disease using dry steam. *A. A. Poliakov and others, Veterinarika 43 no. 1:89-91 Ja '67*

## MILK HYGIENE

[see also subdivision under Lithuania]  
**Arkhangel'skii, I. I., and V. M. Kartashova.** [Hygiene of milk and control of its sanitary quality] *Gigiena moloka i kont. ol' ego sanitarnogo kachestva*. Moskva, Kolos, 1966, 246 p.

New preparation for simultaneous washing and disinfection of milking machines and milk containers. *A. G. Iustifov, Veterinarika 43 no. 11:85-87 N '66*

## MILK VETCH

Astroizid, a new isoflavanone glycoside from *Astragalus astrucicus*. *L. I. Derugina, Khim. prirod. soed. no. 5:314-319 '66*

## MILKING—HYGIENIC ASPECTS

Sanitary treatment of the raw udder before milking. *V. D. Labyochkin, Veterinarika 43 no. 11:83-85 N '66*

## MILKING MACHINES

Causes of mastitis in machine milking of cows. *N. M. Khol'kovich, Veterinarika 43 no. 12:76-78 D '66*

## MILKING MACHINES—CLEANING

New preparation for simultaneous washing and disinfection of milking machines and milk containers. *A. G. Iustifov, Veterinarika 43 no. 11:85-87 N '66*

## MILKING PARLORS

[see also subdivision under Drobyshevo, Omsk Province]  
Elements of the graphic analysis calculations of milking parlors. *P. K. Zhevlakov, Zap. LSKH 86:299-301 '65*

## MILKWEED

New flavone glycoside from *Antilopeum fumebræ*. *L. M. Utkin, A. P. Serebriakova, Khim. prirod. soed. no. 5:319-321 '66*

MILLET see subdivision under Chu Valley

## MILLING MACHINERY

Automation of mills for dry milling of raw material. *I. A. Gell'fand, A. M. Bal'shonok, IU. I. Dubinin, Izvestia 32 no. 6:18-19 N-D '66*

Basic drawings showing the grouping of great capacity movable crushing and sorting installations manufactured in foreign countries. *B. V. Klushantsev, A. A. Dudko, Stroitel. doi. mash. 8 no. 6:24-30 Ja '63*

Stresses in a quartz-cement pulpstone. *P. T. Dobrovolskii, Trudy VNIIR no. 51:202-203 '65*

Unit for wet finish grinding of binding agents. *I. M. Gornozov, M. V. Radukov, IU. N. Mamunov, Stroitel. doi. mash. 8 no. 6:25-26 Ag '63*

## MILLING MACHINERY—NOSE

Reducing the noise of ball mills. *Stroitel. doi. mash. 8 no. 8:31 Ag '63*

## MILLIVOLTMETER

Digital millivoltmeter with adaptive error correction due to zero electromagnetism drift. *G. P. Shlykov, Avtomatiz. 5:112-113 '66*

MINE BUILDINGS—LIGHTING see subdivision under Donsk Basin

## MINE COMMUNICATION SYSTEMS

Determining the optimum transfer function of primary frequency transformers in mine telecommunication systems. *A. V. Pymak, Dop. AN URSS no. 11:1441-1445 '66*

Disconnecting conveyors from any place in the mine. *I. Gushchin, V. Kuchinskii, Bezop. truda v prom. 7 no. 5:32 Ja '63*

## MINE DRAINAGE

Drainage of the foundation of internal dump piles at Grushovka Open-Pit Mine. *L. S. Grabichenko, Gor. zhurn. no. 11:21-24 N '66*

## MINE DUSTS—PREVENTION

Efforts to control dust formation in levels of secondary crushing. *A. A. Makkeev, Bezop. truda v prom. 6 no. 5:14 My '62*

## MINE EXPLOSIONS

Experience in forecasting sudden outbursts in "Severnaya" Coal Mine in Kuznetsk Basin. *D. T. Gorbachov, I. V. Fomin, Ugol' 41 no. 12:52-53 D '66*

Hydraulic fracturing and detaching of the face area is an efficient method of fighting outbursts of coal and gas. *I. V. Bobrov, V. A. Shatilov, Bezop. truda v prom. 7 no. 5:17-20 My '63*

## MINE EXPLOSIONS—CONGRESSES

Scientific and technical conference on prevention of sudden outbursts of coal and gas. *A. P. Kulikov, Ugol' 41 no. 12:66-69 D '66*

## MINE EXPLOSIONS—SAFETY MEASURES

Our experience in combatting outbursts of coal and gas. *O. A. Kolesov and others, Bezop. truda v prom. 6 no. 5:4-7 My '62*



## MINERALS IN PLANTS

Determining trace element content of soils and plants using amalgam polarography with accumulation. I. V. Alakova, S. I. Sinikova. *Agr. khim.* no. 12 118-123 D '66

Effect of gibberellin on mineral metabolism in plants. A. S. Morozov. *Trudy Un. duzhr. nat.* 11 56pkhoz nauki no. 1 215-217 '66.

Effect of method of placement of superphosphate on uptake of P<sub>32</sub> by plants. G. B. Bubalan. *Sob. Lab. ag. o. khim. AN Ar. SSR* no. 1 24-31 '61

Ionic and structural changes in excited plant cells. A. M. Shukhin, I. A. Ozolina. *Trudy Un. duzhr. nat.* 11 56pkhoz nauki no. 1 180-214 '66

## MINERALS IN SOILS see subdivision under Zhitomir Province

## MINERALS IN THE BODY

Content of calcium and inorganic phosphorus in the blood serum of some breeds of helleis. A. M. Danelina. *Sel'khoz. biol.* 1 no. 6 900-903 '66.

Effect of insulin on penetration of some cations and anions through the wall of cattle stomach. S. Z. Ilyshyts'kiy, I. V. Andriyashyn. *Dop. AN. USSR* no. 11-1158-1450 '66

## MINERS—DISEASES AND HYGIENE

Ways of improving sanitary and hygienic working conditions during jet piercing. V. A. Mikhailov, A. I. Loboda. *Gor. zhur.* no. 11 72-75 N '66

## MINES, ANCIENT see subdivision under Tuva A.S.S.R.

## MINES AND MINERAL RESOURCES

(see also subdivision under Komi-Permyak National Area)

Concerning the calculation of a low-voltage cable network for mines with consideration of slanting conditions. V. P. Murav'ev. *Prom. energ.* 16 no. 1 47-51 Ja '61. State and prospects for extension of raw material supply for cement industry of U.S.S.R. I. U. V. Semenovskiy and others. *Sov. geol.* 9 no. 12 3-10 D '66

## MINIATURE ELECTRONIC EQUIPMENT—WELDING

Ultrasonic welding of microcircuit components with indirect pulsed heating. I. U. L. Krasulin, A. P. Kozhevnikov, V. I. Kuz'min. *Aviom. svyaz.* 10 no. 12; 60-61 N [1.e.D.] '66.

## MINIATURE PAINTING

An unknown miniature with the images of "vitiues" made in the early Middle Ages. B. I. A. Ramm. *Sred. veka* no. 20 221-227 '66.

## MINING ENGINEERING

(see also subdivision under Achisay region, Kazakhstan; Kursk Magnetic Anomaly; Mirgalsmsay region, Kazakhstan; Ural Mountains)

Agoskov, M. I., and G. M. Malakhov. [Underground mining of ore deposits] *Pedzhenai na razn. obshch. rudnykh mestorozhdeniakh*, Moscow, Nedra, 1966, 602 p.

Efficient flow sheets for waste stacking and parameters of mining systems during the operation of hauling and stacking machine complex. M. G. Novozhilov and others. *Izv. vyz. ucheb. zav. gor. zhur.* 6 no. 5 20-38 '63.

Investigating the manifestation of bearing pressure in a mass of above which mining operations are being conducted. G. I. Val'shteyn. *Izv. vyz. ucheb. zav. gor. zhur.* 6 no. 5; 16-54 '63

Parameters of boring and blasting operations during, also diving through deep boreholes. I. E. Erofeev and others. *Gor. zhur.* no. 11 41-47 N '66

Rapid mining by boring and blasting method. I. U. K. Epifantsev, N. I. Golovko, V. I. Oreshkin, Shakhit, str. 10, no. 11; 1-6 N '66.

What to do with rock? B. Gullayev, O. Posevkin. *Sov. shakht.* 12 no. 4; 11-12 Ap '63.

## MINING ENGINEERING—ABSTRACTS

[Mining] Ref. zhur.; Gor. delo no. 1 Ja '67.

## MINING ENGINEERING—COSTS

(see also subdivision under Zyrjanovsk region, Kazakhstan)

Economic efficiency of services for machinery repair. A. G. Shipil'nikov. *Gor. zhur.* no. 11; 17-20 N '66.

Improving the methods of planning and calculating costs in ore mining. A. V. Baronchikov, N. P. Kresnikov. *Gor. zhur.* no. 11; 12-17 N '66.

## MINING ENGINEERING—MODELS

Study of stress distribution in pillars of equal strength during chamber undercutting of blocks. M. V. Guminskii. *Izv. vyz. ucheb. zav. gor. zhur.* 6 no. 5; 8-15 '63.

## MINING GEOLOGY

Certain peculiarities of prospecting during the mining of thin ore bodies through small-diameter inclined boreholes. A. A. Bogdasarov. *Gor. zhur.* no. 11 10-12 N '66

Concerning anomalies in rock displacement processes determined by the effects of geological factors. I. A. Turchaninov. *Izv. vyz. ucheb. zav. gor. zhur.* 6 no. 5; 60-66 '63.

History and course of development of mathematical crystallography. I. I. Shefranovskii. *Zap. LGI* 50 no. 2; 7-18 '65.

## MINING GEOLOGY—TABLES, CALCULATIONS, ETC.

Optimization of selecting information contained in the indication of several methods. I. G. Klushin. *R. I. Sovetskikh. Zap. LGI* 50 no. 2; 49-52 '66

## MINING INDUSTRY

Methods of accounting for natural conditions in the mining industry. F. Pogrebniy. *Trudy Pribl. Kib. Kib. gos. un.* no. 1 52-57 '61

## MINING MACHINERY

Further mechanization of industrial processes in open pit mines. M. Il'mshin. *Bezop. truda v prom.* 6 no. 5; 31-32 My '62

Then we received a cutter loader for our longwall. N. Mamon. *Aglator* no. 16 17-20 Ag '62

## MINING MACHINERY—DESIGN AND CONSTRUCTION

Nauchno-issledovatel'skii institut ekonomiki shoitel'stva  
Tsentral'noe normativno-issledovatel'skoe bluro  
[Standard specifications and estimates for construction, assembly, and repair operations. Undergoes assembly of mining equipment.] *Tipovye normy i standarty na stroitel'stvo, montazhnye i remontno-stroitel'stvo raboty. Monazh shakhtnogo obozudovaniya v podzemnykh usloviyakh*. Moscow, Stroiizdat, 1966, 71 p.

## MINING MACHINERY—MAINTENANCE AND REPAIR

Economic efficiency of services for machinery repair. A. G. Shipil'nikov. *Gor. zhur.* no. 11 17-20 N '66

## MINNOWS see subdivision under Balkal Lake region, Bol'shaya Rechka River (Buyal A.S.S.R.); Irkutsk Reservoir

## MINORSKI, VLADIMIR FEDOROVICH, 1877-1966

V. I. Minorskiy in memory of a scholar. N. I. Kuznetsova. *Nar. Az. i Afr.* no. 6 150-153 '66

## MINSK—BAKING

Preparing dough using liquid salted intermediate products. F. M. Guevskiy. *Prom. Bel.* 9 no. 12 31 D '66

## MINSK—CLOCKMAKING AND WATCHMAKING

Tempo, quality, and perfect organization of labor. A. V. Minin. *Prom. Bel.* 9 no. 12 3-4 D '66

## MINSK—ELECTRONIC DATA PROCESSING—TRACTOR INDUSTRY

Using electronic computers in mechanizing design and technological calculations at the Minsk Tractor Plant. I. A. Timoshenko, A. L. Lomakin. *Prom. Bel.* 9 no. 12 16-17 D '66

## MINSK—MOTION-PICTURE PHOTOGRAPHY—STUDY AND TEACHING

A group of motion-picture operators. *Sov. radio i tel.* 6 no. 3; 16 '65.

## MINSK—PNEUMATIC-TUBE TRANSPORTATION

Doubled pneumatic tube transportation. S. V. Polin. *Prom. Bel.* 9 no. 12 20 D '66

## MINSK—TELEVISION IN PROPAGANDA

"Those who go in advance." M. Doshin. *Sov. radio i tel.* 6 no. 3; 2-3 '65.

## MINSK PROVINCE—TRADE UNIONS

Priceless heritage. A. Eventov. *Sov. profsoyuz.* 22 no. 2; 26-27 D '66

## MINY (PLANT)

Ways for decreasing the loss of essential oil in harvesting and processing the "P. khukha-in" mint. G. S. Tsunenko, M. N. Koshinovskaya. *Rust. ts.* 2 no. 1; 524-527 '66

## MIRACLES

The icon of the Tikhvin Virgin Mary and its connection with "The Story of the Miracles of the Icon of the Tikhvin Virgin Mary." I. A. Ivanov. *Trudy ODH.* 22 410-136 '66

## MIRGALMSAY REGION (KAZAKHISTAN)—MINING ENGINEERING

Selection of loading equipment in the mining of the Mirgalsmsay deposit with chamber distribution along the strike. O. A. Balonov, D. M. Kazybekov. *Izv. vyz. ucheb. zav. gor. zhur.* 6 no. 5; 22-28 '63

## MIRGOROD DISTRICT—GRAIN—MILLING

Economic reform obliges. P. Iakimenko. *Muk. elev. prom.* 32 no. 11 30 N '66

## MIRNYI STATION, ANTARCTICA—RADIO WAVES

Passage of 500-1600 kc radio waves at Mirnyy in 1964. L. P. Kuperov. *Inform. blul. Sov. antark. eksp.* no. 59; 55-59 '66

## MIRNYI STATION, ANTARCTICA—SNOW

Changes in the relief of the snow surface at Mirnyy from 1956 to 1964. O. N. Vinogradov. *Inform. blul. Sov. antark. eksp.* no. 59; 15-19 '66

## MIRNYI STATION, ANTARCTICA—SPORADIC E (IONOSPHERE)

Sporadic ionization in the E region according to data of observations at Mirnyy for 1962. L. M. Zhorovskaya. *Inform. blul. Sov. antark. eksp.* no. 59; 60-64 '66.

## MISCONDUCT IN OFFICE

Determination of the misconduct in office which results in a heavy loss to governmental agencies. V. S. Bolshakov, O. A. Smirnov. *Pravozhivstvo* no. 1 81-89 '66. Experiences in inflicting penalties in party organizations. *Part. zhizn.* no. 1 52 Ja '67

Legal characteristics of misconduct in office according to recently enacted criminal law. S. I. Ilyshenko. *Pravozhivstvo* no. 1 78-81 '65

## MISHOV DAG OIL FIELD—OIL FIELD FLOODING

Certain data on the nature of flooding and the change in P<sub>50</sub> of the first horizon of a producing series in the Mishovdag oil field. R. R. Dzhafarov, G. I. Nabilov, Ch. M. Shulinov. *Azerb. neft. khoz.* 12 no. 5; 7-9 My '63.

## MISHOV DAG OIL FIELD—PETROLEUM GEOLOGY

Oil yield of the first horizon of a producing formation in the Kyzylord and Mishovdag oil fields. Z. Z. Kirshtman and others. *Azerb. neft. khoz.* 12 no. 3; 3-6 M '63

## MISSISSIPPI RIVER—SHORE PROTECTION

Using elastic concrete matrices for shore reinforcement on the Mississippi River in the United States. V. S. Perezhil'skii, M. F. Skladnev, B. G. Shlep. *Giv. st. o. i.* 33 no. 8 70-82 Ag '63

## MITES see subdivision under Armenia, Moldavia

## MITES AS CARRIERS OF DISEASE see subdivision under Porech'ye Rybnoye region (Yaroslavl Province)

## MITICIDES

Testing hexachloran smokes against mites causing seal disease in sheep. G. I. Gelta. *Shoi. nauch. rab. SSSR* no. 11 199-202 '62.

## MITOCHONDRIA

Effect of granulokin S on oxidative phosphorylation and respiration in rat liver mitochondria. R. A. Zvingil'skaya, A. V. Kotelnikova. *Biochimika* 27 no. 5; 849-852 5-O '62.

Effect of radioprotective preparations on respiration of liver and brain mitochondria in rabbits. N. I. Bikhkina, T. F. Romanov. *Radiofizika* 6 no. 6; 880-882 '66

Effect of anilin and sarcosine on oxidizing phosphorylation of mitochondria of tumorous and normal cells. I. N. Romanova, Z. V. Kuz'mina. *Vop. med. khim.* 12 no. 6; 386-391 N-D '66

Effect of seed irradiation on cytoplasm mobility, oxidative phosphorylation and adenosine triphosphatase activity of mitochondria in cells of corn inbred. M. G. Zhuravskiy, T. N. Karantsev, S. V. Taseeva. *Radiofizika* 6 no. 5; 713-713 '66

Mechanism of effect of some higher fatty acids on activity of mitochondrial monooxygenase. I. A. Rapava, L. B. Krasnikova, V. Z. Gorkin. *Biochimika* 31 no. 6; 1216-1224 N-D '66

Mitochondrial peroxidase and its possible role in oxidative processes. T. A. Ponomareva, M. I. Davydova, B. A. Rubin. *Biochimika* 31 no. 6; 1167-1173 N-D '66

Oxidative phosphorylation in liver mitochondria of irradiated rats and following "leaking" of microstructures. I. N. Smirnova, S. F. Romanov. *Radiofizika* 6 no. 5; 688-681 '66.

Participation of the cytochrome system in serotonin oxidation in cardiac mitochondria in rabbits. A. M. Zubovskaya. *Vop. med. khim.* 12 no. 6; 642-644 N-D '66.

Second symposium on biochemistry of mitochondria in Moscow. I. I. Severina. *Izv. sov. biol.* 62 no. 1; 450-162 N-D '66.

Semiquinone free radicals in respiration and phosphorylation processes in mitochondria. L. A. Balchmann, L. A. Blumentfeld. *Biochimika* 31 no. 6; 1127-1134 N-D '66

## MITRAL VALVE—DISEASE

Mitral recurrent stenosis - causes and results of surgical treatment. B. A. Korolev, V. V. Kurov, N. I. Prokhorzhenskaya. *Khirurgiya* 12 no. 11 13-17 N '66.

## MITRAL VALVE—SURGERY

Evaluation of the methods of digital and instrumental mitral commissurotomy according to operative hemodynamic changes. E. N. Meshalkin and others. *Khirurgiya* 39 no. 2; 26-31 F '63.

Mitral commissurotomy in the embolism of the left auricular appendage. I. N. Meshalkin and others. *Khirurgiya* 39 no. 2; 64-69 F '63

Mitral recurrent stenosis - causes and results of surgical treatment. B. A. Korolev, V. V. Kurov, N. I. Prokhorzhenskaya. *Khirurgiya* 12 no. 11; 13-17 N '66

Operations in mitral stenosis under conditions of artificial blood circulation. I. Shinkovits and others. *Khirurgiya* 39 no. 2; 21-28 F '63

## MITSKEVICH, KONSTANTIN MIKHAILOVICH, 1882-1896

Muslynski, Mikhail'. [From preliminary scheme to its realization, history of the creation of the "New Land" and "Simon, the musician"] *Ad zachiny da zdalatsen-nia; tvorchaia historya "Novai ziamli" i "Symona-muzyki"*. Minsk, Navuka i tekhnika, 1965, 141 p. facsim. (NN)

## MIXING MACHINERY

Asphalt mixer with positive mixing V. T. Mikhailov. Stroitel'stvo mash. 8 no. 6 14-16 Ja '67

## MIZUNKA VALLEY—GEOMORPHOLOGY

Geomorphology of the Sticha and Mizunka Valleys within the outer anticlinal zone in the Carpathians M. M. Bolotovskoy. Dop. AN USSR no. 1192-1193 '62

## MINDOANTS, ASHOT ASHOTOVICH, 1910-1966

Yekht. Ishotovich Mindants. Arkh. LSSR no. 11:69 '66.

## MODELS AND MODELMAKING

Developing the students' drawing and design skills during modeling classes A. S. Rofonov. Uch. zap. Ped. inst. Gorko. 260-302-314 '65

Experiment in modeling of circular bodies from plastic V. P. Deganov. Uch. zap. Ped. inst. Gorko. 260-341-366 '65

## MODERNISM (LITERATURE)

Akademiya nauk SSSR. Institut imeniy literatury [Critical callous of the 20th century and modernism] Kriticheskii realizm XX veka i modernizm Moskva, Nauka, 1967 284 p.

## MODOROV, MIKHAIL ALEKSANDROVICH, d. 1963

Mikhail Aleksandrovich Modorov. Poligr. prom. no. 9-40 S '63

## MODULATION (ELECTRONICS)

Internal modulation of an infrared laser E. R. Musiel', V. N. Pasygin, V. S. Solonin. Radiotekhnika i elektronika no. 12 2215-2217 D '66

New forms of two-cycle pulse-width modulation and problems of its theory V. V. Malanov. Izv. vuz. uch. zav. radiotekhn. 9 no. 6 703-711 N-D '66

## MOSSBAUER EFFECT

Eesti NSV Teaduste Akademi. [Formal meeting of the Academy of Sciences of the Estonian S.S.R., dedicated to the 26th anniversary of the Estonian S.S.R., June 16, 1965] Toizhestvennoe sobranie Akademii nauk Estonii SSR, posvashchennoe 26-letiyu Estonskoi Sovetskoi Sotsialisticheskoi Respubliki 16 Iyunia 1965 goda. Tallinn, Eesti Raamat, 1966. 84 p.

Effect of diffusion on Mossbauer spectrum of impurity complexes in crystals M. O. Kryukovskiy, S. P. Repetskiy. Ukr. fiz. zhur. 11 no. 12 1213-1221 N '66

Studying behavior of impurity atoms in diamond InSb and GaSb crystal lattices G. N. Belozerskiy and others. Fiz. tver. tela 8 no. 7 2112-2116 J1 '66

## MOGADISHU REGION, SOMALIA—BOARDING

SCHOOLS—DESIGN AND CONSTRUCTION Boarding school for the Republic of Somalia, U. Karal'shteyn, K. Kaptelev. Stroitel'nikh. Mosk. 12 no. 6: 31-33 Ja '63

## MOGILEV—AUTOMOBILE INDUSTRY—MANAGEMENT

At the expense of internal resources. B. M. Katsman, M. P. Rudenok. Prom. Bel. 9 no. 12 4-6 D '66

## MOGILEV—TEXTILE FIBERS, SYNTHETIC—TECHNOLOGICAL INNOVATIONS

Research of plant innovators. T. G. Savvateyev. Prom. Bel. 9 no. 12 31 D '66

## MOISENKO, PETR ANIMOVICH, 1852-1923

Moiseenko, P. A. [Reminiscences of an old revolutionary] Vospominaniya starogo revolyutsionera. Moskva, Mysl', 1966. 276 p.

## MOSTURE—MEASUREMENT

Nature of low-temperature water in chrysotile asbestos E. V. Rozhkova, G. A. Gorbato, M. V. Soboleva. Min. syr'ye no. 12 119-125 '66

Rapid electrochemical method for determining moisture in mineral fertilizers S. I. Kiychmar, K. P. Afendik. Khim. prom. [Ukr.] no. 3-67-68 J1-S '62

Scientific and technical conference on moisture measurement E. S. Krichevskiy. Izv. tekhn. no. 6:60-61 Ja '62.

Use of corona discharge counters in determining moisture of disperse materials by the method of reversed neutron scattering M. P. Volatovitch, N. I. Skvortsova. Koll. zhur. 21 no. 6 13-23 N-D '66.

## MOSTURE IN BUILDING MATERIALS

Designs of flat roofs in German Democratic Republic, E. Krichevskaya. Zhil. stroit. no. 10:27-28 '66.

Effects of moisture content on strength of concrete at various rates of loading. I. U. N. Bazhenov. Bet i zhuz. bel. 12 no. 12:10-20 D '66

## MOSTURE IN TEXTILES

Thermal properties of moist fabrics. N. P. Zamotayev. Izv. vuz. uch. zav. iokh. tekhn. prom. no. 5:27-30 '66.

## MOLASSES

Make more efficient use of beet-sugar molasses in the national economy. P. V. Rudnikskiy. Spirt. prom. 20 no. 3:18-22 '62.

## MOLDAVIA—ANTELOPS, FOSSIL

Remnants of antelopes in Moldavia M. Pavl. in Iokh. tekhn. A. I. Dav. 12v AN Mold. SSR no. 3 106-107 '63

## MOLDAVIA—CAPITAL INVESTMENTS

Economic efficiency of capital investments in the industry of the Moldavian S.S.R., report at the meeting of the Scientific Council R. D. Fedotova. Sbor. nauch. inform. Nauch. sov. prof. i on. fond. kap. vlozh. i nov. tekhn. AN SSSR no. 2:62-63 '62

## MOLDAVIA—CARP

Same biological characteristics in common carp in bodies of water of Moldavia M. P. Ostrova. Biol. res. vod. Mold. no. 1:66-71 '66

## MOLDAVIA—CESTODA

Cestodes of fishes in bodies of water of Moldavian S.S.R. N. M. Eskinok-Martin. Paraz. zhiv. i rast. no. 1:26-36 '65.

## MOLDAVIA—COLLECTIVE FARMS—STATISTICS

Studying the intensification of agricultural production by the method of grouping V. Starovoyeva. Vost. stat. no. 12 1-11 '66

## MOLDAVIA—CONSTITUTION

Moldavian S.S.R. Constitution [Constitution (Fundamental Law) of the Moldavian Soviet Socialist Republic. With amendments and supplements adopted by the 1st-9th sessions of the Sixth Supreme Soviet of the Moldavian S.S.R.] Konstitutsiya (osnovnoi zakon) Moldavskoi Sovetskoi Sotsialisticheskoi Respubliki S izmeneniyami i dopolnleniyami, prinyatymi na 1-9 sessiyakh Vyshnegovogo Soveta Moldavskoi SSR shestogo sozyva Kishinev, Kartia Moldovenaske, 1967 26 p.

## MOLDAVIA—CORN (MAIZE)—GENETIC RESEARCH

Variation of characters in the progeny of the "Corn grass" type mutation of corn under the effect of various growing conditions V. N. Lykov. Gen., sel. i sem. kuk. no. 1:92-107 '65.

## MOLDAVIA—CORN BREEDING

Experimental embryology of corn A. A. Chibotari. Gen., sel. i sem. kuk. no. 1:169-181 '65

Germination of the pollen grain, formation of the pollen tube, and the problem of double fertilization A. A. Chibotari. Gen., sel. i sem. kuk. no. 1:140-146 '65

Studying the degree of resistance of corn breeding material to diseases and pests I. E. Shpil'ts. Gen., sel. i sem. kuk. no. 1:214-250 '65

Use of testate for establishing valuable self-pollinated lines I. U. M. Shumilov. Gen., sel. i sem. kuk. no. 1:230-242 '65

## MOLDAVIA—CRIME AND CRIMINALS

Emelin, N., comp. [The crime will not take place] Prestuplenie ne sostoit. Kishinev, Kartia Moldovenaske, 1966. 167 p. (MH-L)

## MOLDAVIA—DISTILLING INDUSTRIES

Organize a complete utilization of molasses in Moldavia. G. N. Singur. Spirt. prom. 28 no. 5:23-24 '62.

## MOLDAVIA—ECONOMIC POLICY

Makeenko, M. M. [Specialization of the Moldavian S.S.R. within the framework of the all-Union division of labor] Specializatsiya Moldavskoi SSR v obshchesoznom razdelenii truda. Kishinev, Kartia Moldovenaske, 1966. 194 p. (CS-L)

## MOLDAVIA—FISHES—FOOD

Feeding habits of pike perch in Dubossary and some small reservoirs of Moldavia, V. I. Karlov, A. I. Neberezhnyi, O. I. Val'kovskaya. Biol. res. vod. Mold. no. 4 90-98 '66.

## MOLDAVIA—GRAPES—STORAGE

Practice in keeping grapes in cold storage warehouses. N. Moliseeva, I. Bui. Anova, T. Llanguzova. Sov. torg. 10 no. 1:45-16 Ja '67.

## MOLDAVIA—HYBRID CORN

Early salage corn hybrids for the southern Ukraine and Moldavia. V. T. Suverov, N. G. Malova. Gen., sel. i sem. kuk. no. 1:262-272 '65

Prospective Kishinev corn hybrids, A. E. Kovarskiy and others. Gen., sel. i sem. kuk. no. 1:3-14 '65

Studying Kishinev high-protein corn hybrids and their parent forms N. A. Ogurtsova. Gen., sel. i sem. kuk. no. 1:251-261 '65

Studying the character of the cytoplasmic male sterility of corn and its use in hybridization T. S. Chalyk. Gen., sel. i sem. kuk. no. 1:92-139 '65

## MOLDAVIA—HYBRID CORN—FROST RESISTANCE

Breeding cold-resistant early corn hybrids, E. T. Boshkov. Gen., sel. i sem. kuk. no. 1:45-61 '65

## MOLDAVIA—INDUSTRIES

Economic efficiency of capital investments in the industry of the Moldavian S.S.R., report at the meeting of the Scientific Council. R. D. Fedotova. Sbor. nauch. inform. Nauch. sov. prof. i on. fond. kap. vlozh. i nov. tekhn. AN SSSR no. 2:62-83 '62

## MOLDAVIA—MACHINERY INDUSTRY

Makeenko, M., S. Kike, and A. Kovalenko. [Machinery manufacturing complex of the Moldavian S.S.R.; status and prospects for development] Mashinostroitel'nyi kompleks Moldavskoi SSR, sostoiashchii i perspektivy razvitiia Kishinev, Kartia Moldovenaske, 1966 149 p.

## MOLDAVIA—MAPS

Atlas of the Ukrainian S.S.R. and the Moldavian S.S.R. L. I. Humm, I. P. Starovoyeva. Dop. AN USSR to it. 15:10-152 '62

## MOLDAVIA—MITES

Mites from synanthropic birds and their practical significance R. P. Shumilo. Paraz. zhiv. i rast. no. 1:131-142 '65

## MOLDAVIA—MYSIDAE

Some notes on ecology of Limnodynastes benedicti Chern (Crustacea Mysidacea) in bodies of water of Moldavia I. L. Dediu. Izv. AN Mold. SSR no. 3 73-77 '65

## MOLDAVIA—NEMATODA

Nematodes of some soils of Moldavian S.S.R. P. L. Nesterov, L. I. Luchina. Paraz. zhiv. i rast. no. 1:3-16 '65.

## MOLDAVIA—PARASITES—BIRDS

Mites from synanthropic birds and their practical significance R. P. Shumilo. Paraz. zhiv. i rast. no. 1:131-142 '65

New trematode species from entomophagous birds of Moldavian S.S.R. R. P. Shumilo. Paraz. zhiv. i rast. no. 1:143-148 '65.

Parasites from synanthropic bird nests of central Moldavia R. P. Shumilo. Paraz. zhiv. i rast. no. 1:150-151 '65.

## MOLDAVIA—PARASITES—CANIDAE

Parasites from mammals of the family Canidae in Moldavia, O. P. Andriko, I. M. Vinchuk. Paraz. zhiv. i rast. no. 1:43-52 '65

## MOLDAVIA—PARASITES—DORMICE

Some conclusions on parasites of dormice (Myodidae) in Moldavia, O. P. Andriko. Paraz. zhiv. i rast. no. 1:53-60 '65.

## MOLDAVIA—PARASITES—FISHES

Cestodes of fishes in bodies of water of Moldavian S.S.R. N. M. Eskinok-Martin. Paraz. zhiv. i rast. no. 1:26-36 '65.

## MOLDAVIA—PARASITES—MUSKRATS

New trematode from intestine of muskrat (Ondatra zibethica L.), O. P. Andriko. Paraz. zhiv. i rast. no. 1:17-42 '65.

## MOLDAVIA—PARASITES—POULTRY

Testing "gel'miron" in chicken nematode control R. P. Shumilo, A. A. Skumshur, M. Z. Kimer. Paraz. zhiv. i rast. no. 1:149-150 '65

## MOLDAVIA—PIKE PERCH

Feeding habits of pike perch in Dubossary and some small reservoirs of Moldavia V. I. Karlov, A. I. Neberezhnyi, O. I. Val'kovskaya. Biol. res. vod. Mold. no. 4 90-98 '66

Pike perch cultivation in artificial reservoirs of Moldavia. Biol. res. vod. Mold. no. 4 82-89 '66.

## MOLDAVIA—POLICE

Emelin, N., comp. [The crime will not take place] Prestuplenie ne sostoit. Kishinev, Kartia Moldovenaske, 1966. 167 p. (MH-L)

## MOLDAVIA—RADIOBROADCASTING

"A trip into tomorrow." M. Pleer. Sov. radio i tel. 8 no. 3:25 '59.

## MOLDAVIA—RESEARCH, INDUSTRIAL

Transforming science into a direct productive force. R. I. Alekseyeva. Uch. zap. Mold. gos. un. no. 48 189-204 '65.

## MOLDAVIA—ROTIFERA

New and rare Rotifera in bodies of water of Moldavia A. I. Neberezhnyi, A. I. Rotu. Izv. AN Mold. SSR no. 5: 67-72 '65

## MOLDAVIA—RURAL CONDITIONS

Well organized services in our rural areas. B. Ghushko. Kommunist 43 no. 2 95-92 F '67.

## MOLDAVIA—RURAL LIBRARIES

Now we work according to new methods. L. Nianisov. Agliator no. 2:37-38 Ja '62.

## MOLDAVIA—SAWFLIES

Material on sawflies (Tenthredinoidea) of Moldavia. S. G. Plugaru. Izv. AN Mold. SSR no. 5:76-82 '65.

## MOLDAVIA—STATE FARMS—MANAGEMENT

We are uncovering potentialities. R. I. Anichina. Fin. SSSR 40 no. 11:72-73 N '66.

## MOLDAVIA—SUGAR INDUSTRY—BY-PRODUCTS

Organize a complete utilization of molasses in Moldavia. G. N. Singur. Spirt. prom. 28 no. 5:23-24 '62.



- MOLDAVIA—TELECOMMUNICATION**  
Our plans and prospects. I. I. Ogelt Vest. svyazi 20 no. 11:13-15 N '66
- MOLDAVIA—TREMATODA**  
New trematode from intestines of muskrat (*Ondatra zibethica* L.). O. I. Andričko Paraz. zhiv. i razv. no. 1:17-12 '65  
New trematode species from entomophilous birds of Moldavia S. S. R. R. P. Shumilo Paraz. zhiv. i razv. no. 1:11-118 '63
- MOLDING (FOUNDING)**  
Conditions of ingot casting during pipe casting. V. G. Shumov, V. I. Semko Lit. proizv. no. 12:23-25 D '66  
Cold pressing by the core blowing method. G. I. Bobrikov, A. S. Korolentso Lit. proizv. no. 12:16-19 D '66  
Selecting a squeeze molding pressure. P. N. Aksenov Lit. proizv. no. 12:19-20 D '66  
Vibration damper for pneumatic ramming. V. V. Chudilova Lit. proizv. no. 12:33 D '66
- MOLDING (FOUNDING)—EQUIPMENT AND SUPPLIES**  
Using combined vibration in the process of packing molds by squeezing. N. I. Plisupskiy Lit. proizv. no. 11:5-7 N '63
- MOLDS (BOTANY)**  
Effect of the *Botrytis cinerea* infection on some characteristics of cabbage protoplast cells and its structural components. V. A. Aksенова, R. V. Savchenko, Sel'khoz. biol. 1 no. 6:868-875 '66.  
Formation of glucose oxidase by some molds. N. V. Pokrovskaya, I. M. Novikova, T. V. Pliginskaya Mikrobiologiya 31 no. 5:788-791 S-O '62
- MOLECULAR ASSOCIATION**  
Study of polyvinyl alcohol - polymethacrylic acid associates. G. I. Dvornik and others Vysokom. soed. 8 no. 10, 1737-1741 O '66.
- MOLECULAR BEAMS**  
Study of elementary chemical reactions by method of molecular beam. V. D. Leonov, Usp. khim. 35 no. 12:2165-2128 D '66
- MOLECULAR DYNAMICS**  
Distribution of velocities in molecular beam. G. I. Vorenin Vest. Mosk. un. Ser. 2: Khim. 17 no. 5:27-29 S-O '62
- MOLECULAR ORBITALS**  
Calculations based on the MO LCAO method and acidity of diketones and enol forms of various  $\beta$ -dicarbonyl compounds. E. I. Gien, G. I. A. Vannog, Zhur. org. khim. 2 no. 11:1905-1911 N '66  
Calculations based on the MO LCAO method and electronic spectra of anion forms of unsubstituted and 2-phenyl substituted 1,3-diketones. E. I. A. Gien, G. I. A. Vannog, Zhur. org. khim. 2 no. 11:1911-1916 N '66
- MOLECULAR ROTATION**  
Structural characteristics of  $\text{Cl}_2\text{ZnOH}$  group of polycarboxylic acids and their model systems. R. G. Zibankov, N. V. Pliginskaya, V. P. Komar. Vysokom. soed. 8 no. 10, 1778-1782 O '66
- MOLECULAR SPECTRA**  
Application of molecular spectral analysis for the control of the composition of electroplating baths. V. S. Burakov and others. Dokl. AN BSSR 6 no. 8:370-372 Je '62.  
Hydrogen bonding and frequencies of stretching vibrations of N-H and NO<sub>2</sub> groups of nitroanilines. A. E. Lutskiy, P. A. Cherniavskiy. Ukr. khim. zhur. 32 no. 12:1317-1320 '66  
Theoretical study of the temperature shifts in the electron spectra of complex molecules in solutions. F. F. Dreiser, L. G. Pliginskaya Dokl. AN BSSR no. 8:500-502 S '62.
- MOLECULAR STRUCTURE**  
Chain structure of lithium tetraborate. G. S. Mel'nikov, V. V. Tarasov, Trudy MKhIT no. 418-9 '63.  
Effect of chemical structure of plasticizer molecules on polymer glass point. A. A. Tagel, A. I. Syrovova Vysokom. soed. 8 no. 10:1698-1702 O '66.  
Effect of water structure in electrode processes. A. V. Pamfilov, O. I. Lopushinskaya, A. M. Balter. Dop. AN URSSR no. 7:908-911 '63.
- MOLECULES**  
Molecular radiation in resonance medium of high density. V. M. Genkin, V. N. Genkin Izv. vyz. ucheb. zav. i radiofiz. 9 no. 6:1142-1145 '66  
Statistical distributions in media disturbed by alien particles. Yu. V. Gurikov, Dokl. AN SSSR 171 no. 5:1065-1068 D '66.
- MOLECULES—VIBRATION**  
Vibrational spectra and potential energy constants of haloethylenes. Monochloroethylene, 1,1-dichloroethylene, and their deuterium-substituted derivatives. V. S. Kudina, L. M. Sverdlov, Zhur. fiz. khim. 40 no. 11:2337-2440 N '66.
- MOLES AS CARRIERS OF DISEASES** see subdivision under Tchernopol' Province
- MOLIERE, JEAN BAPTISTE POGUELIN, 1622-1673**  
Iv. biographies. V. Lakshin. Nov. iuzh. 39 no. 3:250-255 M '63
- MOLLUSKS** see subdivision under Tay Peninsula, Yamal Peninsula
- MOLLUSKS, FOSSIL**  
(see also subdivision under Crimea, Dnieper Valley, Kopeckdag)  
New data on structure and development of Discocyclus shell and methods for its study. V. L. Portnaya Biol. MOIP, Old geol. 11 no. 4:129-137 Ji-Ag '66
- MOLOCHNAYA VALLEY—PALEONTOLOGY, STRATIGRAPHIC**  
New data on the fauna characteristics of Upper Eocene sediments in the upper Molochnaya Valley. IU I Selin Dop. AN URSSR no. 11:1495-1497 '62.
- MOLTEN METALS** see Liquid metals
- MOLYBDATES**  
Preparation of <sup>99</sup>Tc, <sup>100</sup>Tc, and cadmium molybdates. V. N. Zubov, I. P. Fialkov Izv. AN SSSR Neorg. mat. 2 no. 12:2199-2203 D '66
- MOLYBDATES—SPECTRA**  
Hydrogen state in aqueous compounds of molybdenum and tungsten. V. V. Mark and others. Dokl. AN SSSR 171 no. 5:1113-1115 D '66.
- MOLYBDENITE**  
Oxidation and solution of molybdenite in sulfuric acid solutions in presence of oxidizing agents. N. M. Soloviyova, O. A. Ivantsova. Khim. svyaz' no. 13:70-77 '66
- MOLYBDENUM**  
Electrochemical properties of molybdenum and tungsten. E. F. Spensskaya, V. E. Meisakova, I. I. Kulicov Usp. khim. 35 no. 12:2129-2150 D '66.  
Some characteristics of scheelite containing molybdenum. V. N. Kuglova and others. Min. svyaz' no. 12:106-118 '66
- MOLYBDENUM—EFFECT ON PLANTS** see Plants, Effect of molybdenum on
- MOLYBDENUM—GALVANOMAGNETIC PROPERTIES**  
Galvanomagnetic properties of molybdenum crystals in large effective fields. V. E. Smirnov, N. V. Volkenshteyn, N. A. Novoselov. Zhur. eksp. i teo. fiz. 51 no. 5:1311-1316 N '66
- MOLYBDENUM—OXYGEN CONTENT**  
Determination of oxygen in molybdenum by the method of activation with fast neutrons. A. V. Andreev and others. Zhur. anal. khim. 21 no. 12:1453-1456 '66
- MOLYBDENUM ALLOYS**  
Mechanisms underlying hardening of molybdenum alloys. V. P. Gol'tsuv. Dokl. AN BSSR 10 no. 12:951-956 D '66
- MOLYBDENUM CARBIDES**  
Certain characteristics of carbon diffusion in molybdenum carbide. A. V. Shovenin, G. V. Shekhtedynskiy, A. M. Minkevich. Porosh. met. 6 no. 11:45-51 N '66.
- MOLYBDENUM-COBALT-BORON ALLOYS**  
System molybdenum - cobalt - boron. IU, B. Kuz'ma, O. V. Nych, R. V. Skolozdra. Izv. AN SSSR, Neorg. mat. 2 no. 11:975-1979 N '66.
- MOLYBDENUM COMPOUNDS—SPECTRA**  
Electron paramagnetic resonance of Mo (V) iodide complex. I. N. Masov and others. Dokl. AN SSSR 171 no. 2:385-388 N '66.
- MOLYBDENUM-IRON ALLOYS** see Iron-molybdenum alloys
- MOLYBDENUM SULFIDES**  
Outlook for the use of molybdenum disulfide to increase the durability of ship engines. N. N. Rozlov. Trudy LITV no. 82:47-53 '65.  
Use of molybdenum disulfide in ship machinery manufacture. R. V. Feidels', Sudostroenie 56 no. 11:60-61 '66.
- MOLYBDENUM-TITANIUM ALLOYS** see Titanium-molybdenum alloys
- MOLYBDENUM-TUNGSTEN ALLOYS, EFFECT OF TEMPERATURE ON**  
High-temperature mobility of atoms, components of the system molybdenum - tungsten. D. F. Kalinovich, I. I. Kovenskii, M. D. Smolin. Porosh. met. 6 no. 11:57-61 N '66.
- MONASTERIES**  
Pod'lapol'skiy, S. S. [Guide to the architectural monuments of the Kirillo-Belozerskiy and Ferapontov Monasteries] Putevoditel' po arkhitekturnym pamiatnikam Kirillo-Belozerskogo i Ferapontova monastyrei. [Volozda] Severo-Zapadnoye knizhnoye izd-vo, 1966, 83 p. (MH)
- MONETARY UNIONS** see subdivision under Africa
- MONEY**  
Slavnyy, I. D. [Currency circulation and economic reform] Denegnoye obshchestvo i ekonomicheskaya reformy. Moskva, Finansy, 1966. 78 p.
- MONGOLIA**  
In the countries of socialism. The Mongolian People's Republic. V. mli. knizh. 6 no. 10:10 O '66
- MONGOLIA—AGRICULTURE**  
Kononkov, P. F., and S. N. Kononkova. [Agriculture in Mongolia] Zemledelie v Mongolii, Pod red. V. I. Pisanova. Moskva, Koles, 1966. 108 p. (DNAL)
- MONGOLIA—CAMELS—DISEASES AND PLAS**  
Infectious enterocolitis of camels caused by *Clostridium perfringens*, type C. M. Aban and others. Veterinariya 13 no. 11:32-35 N '66
- MONGOLIA—COMMUNIST PARTY**  
Mongol'skaya narodno-revolutsionnaya partiya, 15. s'ezd, Ulan-Bator, 1966. [15th Congress of the Mongolian People's Revolutionary Party held in Ulan-Bator on June 7-11, 1966] XV s'ezd Mongol'skoi narodno-revolutsionnoi partii (Ulan-Bator, 7-11 iyunia 1966 goda) Moskva, Politizdat, 1966. 239 p. (Dokumenty i materialy zarubezhnykh kommunisticheskikh iabochikh partii)
- MONGOLIA—DESCRIPTION AND TRAVEL**  
Our friend Mongolia. Jazzy Entertainment. Nov. vrem. 25 no. 2:28 Ja '67
- MONGOLIA—ECONOMIC CONDITIONS**  
Social and economic reforms in the Mongolian People's Republic. V. I. Titov. Vop. filoz. 20 no. 12:15-25 '66.
- MONGOLIA—ECONOMIC POLICY**  
At the final stage. B. Grubenskoy. Mezhdunar. sluzh. 11 no. 1:121-122 '67
- MONGOLIA—GEOLOGY, STRUCTURAL**  
Structural and metallogenetic characteristics of central and eastern Mongolia. R. A. Khavrin, IU A. Borzakovskiy. Sov. geol. 9 no. 12:38-19 D '66
- MONGOLIA—HISTORY**  
A visit to Russia of Toghloa, a leader of the Mongolian struggle against Manchurian domination, 1910-1911. Sh. B. Chimits-Dorzhiev. Trudy LGU 170 122-127 '66.
- MONGOLIA—ORE DEPOSITS**  
Structural and metallogenetic characteristics of central and eastern Mongolia. R. A. Khavrin, IU A. Borzakovskiy. Sov. geol. 9 no. 12:38-40 D '66
- MONGOLIAN NEWSPAPERS**  
Zablatov, G. N. [First newspapers of revolutionary Mongolia] Pervye gazety revolyutsionnoi Mongolii. Ulan-Ude, 1962. 53 p.
- MONILIASIS** see Candidiasis
- MONKEYS**  
Blood group factors in the lower Catarrhini monkey (*Macaca flousa*). V. P. Spolina. Vop. nat. no. 4:121-125 '60.
- MONOMERS**  
Modern methods for the production of starting monomers for the synthesis of the most important fiber-forming heterogeneous chain polymers. A. A. Antonov and others. Zhur. VRIIO 11 no. 6:612-619 '66
- MONOMYCIN**  
Some regularities of the distribution of monomycin in the organism of larks. G. A. Sherkhan, A. G. Nuzhda, Z. M. Akoplan. Veterinariya 11 no. 12:55-57 D '66.  
Wound infection by Proteus in rabbits and its treatment with monomycin in various doses and methods of administration. E. V. Bobkova. Antibiotiki 11 no. 11:1036-1038 N '66.
- MONONUCLEOSIS**  
Differential diagnosis of listeria infections. V. K. Skatun. Sov. med. 26 no. 3:46-52 M '63
- MOON—CHARTS, DIAGRAMS, ETC.**  
Star chart of the circumpolar zone of the northern hemisphere of the moon. V. V. Shvachenko, Izv. vuz. ucheb. zav., geod. i aerof. no. 1:97-99 '61.
- MOON—EXPLORATION**  
The face of the Moon. A. Gurshtain. Nov. vrem. 25 no. 2:20-30 Ja '67.
- MOON—SURFACE**  
Structure of lunar soil. M. B. Darabashov. Dop. AN URSSR no. 11:1423-1425 '66

- MOOSE**  
(see also subdivision under Amur Valley, Baiguzin Range, Kaluga Province; Moscow Province, Tula Province, Ussuri Valley, Vladimir Province; West Siberian Plain)  
Amino acid composition of moose meat. P. V. Zhitenko. Biol. i prom. Iosia no. 2:280-290 '65  
Geographical distribution of moose. A. V. Nasilovich. Biol. i prom. Iosia no. 2:9-16 '65  
Rules for purchasing moose meat. P. V. Zhitenko. Biol. i prom. Iosia no. 2:291-294 '65  
Statistical analysis of materials on trapping moose for census. K. D. Zykov, I. A. V. Sapetina. Biol. i prom. Iosia no. 2:10-105 '65
- MOOSE—ANATOMY**  
On the structure of moose head. G. V. Gusakov. Biol. i prom. Iosia no. 2:285-287 '65.
- MOOSE—DISEASES AND PESTS** see subdivision under Perelono-Ilych Province
- MOOSE—FEEDING AND FEEDS**  
(see also subdivision under Leningrad Province, Siberia)  
Vegetable food for young moose in summer and fall. A. A. Kaletskii. Biol. i prom. Iosia no. 2:113-115 '65
- MOOSE—MOLTING**  
Juvenile molting of moose, its relation to diurnal food requirements and animal weight measurements. A. A. Kaletskii. Biol. i prom. Iosia no. 2:281-284 '65.
- MOOSE—PARASITES** see Parasites—Moose
- MOOSE HUNTING**  
(see also subdivision under Perestavl'-Zaleskiy District)  
Moose hunting. A. G. Baniukov. Biol. i prom. Iosia no. 2:17-8 '65
- MORAINES** see subdivision under Novosil'skoye region (Voronezh Province), Pylgin Mountains
- MORAL EDUCATION**  
Adolescence, a second birth. V. A. Sukhomlinskii. Sov. pedagog. 30 no. 12:132-139 D '66  
The attitude of a teacher toward the children and the development of their morality. O. S. Bogdanov, V. I. Petrova. Sov. pedagog. 30 no. 12:34-42 D '66  
Developing the child's character. I. A. Pozniakova. Doshk. vosp. 39 no. 12:13-15 D '66  
Developing the moral foundation of the personal life of senior students. V. E. Barskii. Sov. pedagog. 30 no. 5:45-52 Ag '66  
Developing the principles of moral education in Soviet educational theory 1921-1931. V. I. Gavrilov. Sov. pedagog. 30 no. 8:193-201 Ag '66  
Development of intellectual interests in the rising generation. M. V. Shirov. Sov. pedagog. 30 no. 12:49-100 D '66  
Ethics in school. T. Potarkova. Nar. obr. no. 12:80-81 D '66  
The potentialities of an example. A. Bardam. Sem. iia shkola 21 no. 12:6-7 D '66  
Problems of moral education and the press. I. Iokunov. Kommunist 43 no. 2:73-84 F '67  
Proper use of the school children's leisure time as a means of their education. T. F. Zbrovskii, G. P. Orlov. Sov. pedagog. 30 no. 6:71-73 Ji '66  
Self-respect and independence. N. Amirdzhanova. Doshk. vosp. 39 no. 12:66-67 D '66  
Some problems of the logic of pedagogical research. T. N. Anastaseva. Sov. pedagog. 30 no. 8:60-70 Ag '66  
Teaching the students to be irreconcilable to misbehavior. N. V. Burdakov. Sov. pedagog. 30 no. 6:65-70 Ji '66
- MORDOVIA—AGRICULTURAL WORKERS—EDUCATION AND TRAINING**  
Reproduction of the skilled labor force on collective farms. I. I. Zor'kin. Uch. zap. Mord. gos. un. no. 18:205-221 '65.
- MORDOVIA—AGRICULTURE—ECONOMIC ASPECTS**  
On the eve of a great improvement in the development of agricultural production in Mordovia. M. V. Ageev. Uch. zap. Mord. gos. un. no. 18:3-11 '65
- MORDOVIA—BUDGET**  
Role of state budget in the economic improvement of the national economy of the Moldavian A. S. S. R. F. F. Pranteva. Uch. zap. Mord. gos. un. no. 18:131-146 '65.
- MORDOVIA—COLLECTIVE FARMS**  
Reproduction of the skilled labor force on collective farms. I. I. Zor'kin. Uch. zap. Mord. gos. un. no. 18:205-221 '65.
- MORDOVIA—COLLECTIVE FARMS—FINANCE**  
Differential rent on the collective farms of the Moldavian A. S. S. R. G. K. Lukin. Uch. zap. Mord. gos. un. no. 48:50-63 '65
- MORDOVIA—COLLECTIVE FARMS—INCOME DISTRIBUTION**  
Improving the relations of distribution on collective farms. N. V. Kosarev. Uch. zap. Mord. gos. un. no. 48:99-114 '65.
- MORDOVIA—COLLECTIVE FARMS—INTERFARM COOPERATION**  
Some problems of improving intercollective farm production. A. F. Kupchanov. Uch. zap. Mord. gos. un. no. 18:176-188 '65.
- MORDOVIA—ECONOMIC CONDITIONS**  
On the problem of the specialization and comprehensive development of the national economy of Mordovia. G. G. Viliak. Uch. zap. Mord. gos. un. no. 19:31-19 '67
- MORDOVIA—FARMS—VALUATION**  
Economic valuation of land. N. V. Ryskin. Uch. zap. Mord. gos. un. no. 48:26-31 '65.
- MORDOVIA—HISTORY**  
Mordvinian contacts with the Kiev Principality according to the "Annals of passing years." A. V. T'sirkin. Uch. zap. Mord. gos. un. no. 51:17-28 pt. 2 '66.
- MORDOVIA—INDUSTRIES**  
On the problem of the specialization and comprehensive development of the national economy of Mordovia. G. G. Viliak. Uch. zap. Mord. gos. un. no. 18:32-19 '65
- MORDOVIA—LAND**  
Land resources of Mordovia and their use. M. Z. Rodina. Uch. zap. Mord. gos. un. no. 18:12-25 '65.
- MORDOVIA—LAND—PRICES**  
Rent and the price of land in postreform Mordovia. I. I. Fursov. Uch. zap. Mord. gos. un. no. 18:64-98 '65.
- MORDOVIA—LAND TENURE**  
The leasing of land in Mordovia before the Reform of 1861. I. I. Fursov. Uch. zap. Mord. gos. un. no. 51:3-76 pt. 2 '66
- MORDOVIA—LANDLORD AND TENANT**  
The leasing of land in Mordovia before the Reform of 1861. I. I. Fursov. Uch. zap. Mord. gos. un. no. 51:3-76 pt. 2 '66.
- MORDOVIA—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES**  
Some problems in improving the efficiency of utilization of industrial equipment in machinery manufacturing enterprises of the Moldavian A. S. S. R. K. K. Kikot. Uch. zap. Mord. gos. un. no. 48:119-175 '65
- MORDOVIA—RENT**  
Rent and the price of land in postreform Mordovia. I. I. Fursov. Uch. zap. Mord. gos. un. no. 48:64-98 '65
- MORDOVIA—RITES AND CEREMONIES**  
Origin and characteristics of the "ovka," the pre-Christian religious rites of Mordvins. N. F. Mokshin. Uch. zap. Mord. gos. un. no. 51:126-134 pt. 1 '65.
- MORDOVIA—RUSSIAN LANGUAGE—STUDY AND TEACHING**  
In the Moldvian A. S. S. R. Nar. obr. no. 12:116 D '66
- MORDOVIA—SOILS—CLASSIFICATION**  
Economic valuation of land. N. V. Ryskin. Uch. zap. Mord. gos. un. no. 18:26-31 '65.
- MOROVIAN A. S. S. R.** see Mordovia
- MOROCCO—GEOGRAPHY**  
Gorunov, M. B., and G. I. Utkin. [Morocco; outline of its physical and economic geography] Marokko, ocherki po fizicheskoi i ekonomicheskoi geografii. Moskva, Mysl', 1966. 318 p.
- MOROZOV, GEORGI FEDOROVICH, 1867-1920**  
Founder of forest science; forthcoming centennial of the birth of G. F. Morozov. V. N. Sukachev. Priroda 55 no. 12:82-83 '66.  
Pages of recollections. N. M. Megalif (Shuvalova). Priroda 55 no. 12:88-91 '66  
Story about my father. O. G. Morozova. Priroda 55 no. 12:81-88 '66.
- MORPHOLINE—TOXICOLOGY**  
Evaluation of toxicity of morpholine. G. N. Zaeva, E. Kh. Tsyrlin. Toks. nov. prom. khim. veshch. no. 8:60-70 '66
- MORPHOLOGY**  
Morphological changes in renal transplant in dogs. N. A. Bykova. Trudy I-go MIM 49:77-85 '66
- MORTAR—HARDENING**  
Particulars of planning porous non-cement mortar and effect of temperature on its hardening. I. Usmanov. Stroitel. i arkh. Uzb. 7 no. 11:13-15 N '66.
- MOSAIC DISEASES**  
Winter wheat streak mosaic in Ukraine. S. M. Moskovets, A. M. Olinyk. Mikrobiol. zhur. 28 no. 6:47-50 '66.
- MOSCOW—APARTMENT HOUSES—DESIGN AND CONSTRUCTION**  
A new stage in the development of Moscow. N. Ulas. Stroitel. i arkh. Mosk. 12 no. 6:4-8 Je '63.
- MOSCOW—APARTMENT HOUSES—HEATING AND VENTILATION**  
Thermotechnical properties of the enclosing structures and the heating of multi-story buildings. A. Kanav. Stroitel. i arkh. Mosk. 12 no. 6:20-23 Je '63
- MOSCOW—ARCHITECTURAL SOCIETIES**  
Third plenum of the Board of the Architects Union of the U. S. S. R. Arkh. SSSR no. 7:1-8 '67
- MOSCOW—ARCHITECTURE**  
Apartment, apartment house, district, and city. D. Burdun. Stroitel. i arkh. Mosk. 15 no. 6:1-9 Ji '65  
Architectural appearance of the capital. Stroitel. i arkh. Mosk. 15 no. 11:34-39 N '66  
At the meeting of the activist group of Moscow architects. Arkh. SSSR no. 6:60-61 '69  
The new buildings of Moscow. Stroitel. i arkh. Mosk. 12 no. 6:18-19 Je '63
- MOSCOW—ARCHITECTURE—CONSERVATION AND RECONSTRUCTION**  
Restoration of architectural monuments of Moscow. V. Libson. Arkh. SSSR no. 7:53-57 '66
- MOSCOW—ARCHITECTURE—DESIGNS AND PLANS**  
Establishing a new square. Stroitel. i arkh. Mosk. 12 no. 6:27-28 Je '63
- MOSCOW—BALLET**  
More about Piskovlev, V. Golovitskiy. Teatr. 21 no. 7:141-145 Ji '63.
- MOSCOW—BOTANICAL GARDENS—BUILDINGS AND STRUCTURES**  
Design for exhibition greenhouse of Main Botanical Garden of the Academy of Sciences of the U. S. S. R. I. Petrov. Arkh. SSSR no. 8:59-60 '66.
- MOSCOW—BOTANICAL GARDENS—DESIGN AND CONSTRUCTION**  
On 10 hectares. I. Petrov. Stroitel. i arkh. Mosk. 15 no. 6:27-28 Je '63
- MOSCOW—BUILDING—CONTRACTS AND SPECIFICATIONS**  
More on the settling of accounts for completed items. B. Ions, I. Khushcheva. Stroitel. i arkh. Mosk. 12 no. 6:29-30 Je '63.
- MOSCOW—BUILDING—DETAILS**  
Practice in introducing differentiated planned norms. K. Kozlov. Ekon. stroit. 8 no. 12:21-23 D '66.
- MOSCOW—CITY PLANNING**  
Architectural appearance of the capital. Stroitel. i arkh. Mosk. 15 no. 11:34-39 N '66  
At the meeting of the activist group of Moscow architects. Arkh. SSSR no. 6:60-61 '63  
Basic directions of development of the city. Stroitel. i arkh. Mosk. 15 no. 11:14-27 N '66  
The capital, its today and tomorrow. Stroitel. i arkh. Mosk. 15 no. 11:6-14 N '66  
Establishing a new square. Stroitel. i arkh. Mosk. 12 no. 6:27-28 Je '63.  
Future greenbelt buffer zone. Stroitel. i arkh. Mosk. 15 no. 11:28-33 N '66.  
In a single ensemble. G. Terent'eva. Stroitel. i arkh. Mosk. 15 no. 8:1-8 Je '66  
In the Executive Committee of the Moscow Soviet. Stroitel. i arkh. Mosk. 15 no. 6:38 Je '66  
In the Executive Committee of the Moscow Soviet. Stroitel. i arkh. Mosk. 15 no. 11:3 of cover N '66  
A new stage in the development of Moscow. N. Ulas. Stroitel. i arkh. Mosk. 12 no. 6:4-8 Je '63.  
Session of the Moscow Soviet. Stroitel. i arkh. Mosk. 15 no. 11:1 N '66  
Toward new goals. Stroitel. i arkh. Mosk. 15 no. 11:2-5 N '66.  
Volkhonka-ZIL, a new residential area in Moscow. Arkh. SSSR no. 7:81 '63
- MOSCOW—CLOTHING INDUSTRY**  
Moskovskaya shvel'naya fabrika No. 3. [60 years among Moscow enterprises] 50 let v stroitel. moskovskikh predpriyatiy. Moskva, Legkaya Industriya, 1966. 149 p. [MICROFILM]
- MOSCOW—COMMUNIST COMPETITION**  
Agitator as fighter for high-quality production. Agitator no. 18:7-8 S '62.
- MOSCOW—COMMUNIST EDUCATION**  
Thank you, agitator! P. Pavlov. Agitator no. 18:41-42 S '62.
- MOSCOW—COMRADES COURTS**  
Comrades courts at the building sites of Moscow. S. Valtenfel'd. Sov. iust. 30 no. 23:20-21 D '66.
- MOSCOW—CONSTRUCTION EQUIPMENT**  
New machines of the Moscow City Main Directorate of Housing and Civil Construction. Na stroit. Ros. 4 no. 10:16-17 O '63.

## MOSCOW—CONSTRUCTION INDUSTRY

Development of industrial building in Moscow V. Promyslov. Zhil. stroi. no. 12-2-8 '66

Highly principled attitudes of workers. M. Rodionov. Vot. vsem. no. 1-35-40 M. '61

The leading officials of the party and government have inspected the projects, buildings, and the experimental enterprises of the construction industry in Moscow. Stroitel. arkh. Mosk. 12 no. 6-1-3 J. '63

## MOSCOW—CONSTRUCTION INDUSTRY—COSTS

Technical and economic analysis of construction of high-rise apartment buildings. I. Rudenina and others. Stroitel. arkh. Mosk. 15 no. 6:32-35 J. '66

## MOSCOW—DEPARTMENT STORES—MANAGEMENT

The first Soviet department store. A. Kochunov. Sov. torg. 40 no. 1-31-36 J. '67.

## MOSCOW—EXHIBITIONS

Activities in scientific and technical information. Inform. biul. VDNKII no. 9-1-9 S '62.

Advanced design of tractors; seminar. Inform. biul. VDNKII no. 8-10-11 Ag '62.

Advanced methods of pond fish culture. Inform. biul. VDNKII no. 8-16-17 Ag '62

At the Exhibition of the Achievements of the National Economy. M. A. Shvarts. Vest. mashinost. 46 no. 12-78 D '66.

Automatic rotary assembly line of bushes for bushed roller chains. Inform. biul. VDNKII no. 8-13 Ag '62

Cultivator and plant feeder for row crops. Inform. biul. VDNKII no. 8-23 Ag '62

From exhibition into production; experiences of the work of the Moscow Economic Region. Inform. biul. VDNKII no. 8-1-3 Ag '62.

High capacity feed grinder. Inform. biul. VDNKII no. 8-24 Ag '62.

Improving the technical and economic indices of diesel and gas engines, seminar. Inform. biul. VDNKII no. 8-7-8 Ag '62.

In the methodological bureau of the Exhibition of Achievements of the National Economy. Inform. biul. VDNKII no. 9-11 S '62

Industrial production of peat fiber; scientific and technical conference. Inform. biul. VDNKII no. 8-11 Ag '62

International fair-exhibitions at the Exhibition of Achievements of the National Economy and Moscow Hippodrome. Inform. biul. VDNKII no. 8-17-18 Ag '62

Introduce in the national economy all that is advanced and progressive at the Exhibition of Achievements of the National Economy of the U.S.S.R. Inform. biul. VDNKII no. 9-1-2 S '62

Machinery and equipment for farm construction. Sel'. stroi. 16 no. 11-20-21 N '61.

Mechanization and automation of production in the meat industry. Inform. biul. VDNKII no. 8-6 Ag '62.

Mechanization and automation of production in the dairy industry. Inform. biul. VDNKII no. 9-3 S '62

Mechanization in reforestation. Inform. biul. VDNKII no. 9-4 S '62

New developments in anesthesiology. Inform. biul. VDNKII no. 9-26-27, 30 S '62

New developments in construction techniques. Inform. biul. VDNKII no. 8-25-26 Ag '62.

New varieties of strong wheat. Inform. biul. VDNKII no. 8-23 Ag '62.

News review, information. Inform. biul. VDNKII no. 8-30-33 Ag '62.

News review, information, announcements. Inform. biul. VDNKII no. 9-31-34 S '62

Printed circuits for consumers' radio electronic apparatus. Inform. biul. VDNKII no. 8-5 Ag '62.

Protection of plants against pests and diseases. Inform. biul. VDNKII no. 9-11-12 S '62.

Protective systems, equipment and devices for work with radioactive substances and means of personal protection. "Peaceful uses of atomic energy" Pavilion. Inform. biul. VDNKII no. 9-26, 28-29 S '62.

Pumpjack machinery and compressor equipment. Inform. biul. VDNKII no. 8-4-5 Ag '62.

Rabbit breeding is a highly profitable occupation. Inform. biul. VDNKII no. 9-13 S '62.

Rotary type automatic line for the upsetting and stamping of motor valves. Inform. biul. VDNKII no. 9-9-10 S '62

Semiautomatic model OS-1 machine for hot gear rolling. Inform. biul. VDNKII no. 8-14-15 Ag '62.

Special item exhibitions and displays. Inform. biul. VDNKII no. 9-1-5 S '62

Special item exhibitions and displays. Inform. biul. VDNKII no. 8-18-19 Ag '62.

Special item exhibitions and displays. Inform. biul. VDNKII no. 8-27-28 Ag '62.

Special item exhibits and displays; construction industry. Inform. biul. VDNKII no. 9-21-25 S '62

Special item exhibits and displays; agriculture. Inform. biul. VDNKII no. 9-14-20 S '62.

Technological and scientific information; seminars. Inform. biul. VDNKII no. 8-19-23 Ag '62.

Year-round stall system of keeping cattle. Inform. biul. VDNKII no. 9-14 S '62.

## MOSCOW—FESTIVALS

Moscow festival of motor-vehicle drivers. O. Chirkina. Avt. transp. 14 no. 12-52-51 D '66

## MOSCOW—FINANCE

Deficiencies have not been eliminated yet. A. Mochalova. Den. 1 kied. 24 no. 12-44-47 D '65

## MOSCOW—FLOUR MILLS

Socialist competition as a guarantee of the production successes of the collective of the Moscow Milling Combine No. 1 V. I. Atsevich, N. Fomenko. Muk. proizv. 32 no. 11-3-5 N '66

## MOSCOW—GIFT SHOPS

If you want a souvenir. I. Granovskaya. Sov. torg. 40 no. 1:42-43 J. '67.

## MOSCOW—GREENBELTS

Future greenbelt buffer zone. Stroitel. arkh. Mosk. 15 no. 11-28-33 N '66

## MOSCOW—HEARING AIDS

Closer to the people. M. Frank. Sov. obshch. 11 no. 12-42-13 D '66

## MOSCOW—HIGHWAY TRANSPORT WORKERS

Our best men. Avt. transp. 44 no. 12-11-13 D '66.

## MOSCOW—HISTORY

Rubnov, A. Z. [Fathers of the town] Otkry. goroda. [Moskva] Mosk. raboch. 1966, 110 p.

## MOSCOW—HOSPITALS

150 years of the Shermeter Hospital, the present N. V. Sklifosovskii Institute. M. M. Tarasov. Trudy Inst. im. N. V. Sklif. 7-5-10 '63.

## MOSCOW—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Plenum of board of Moscow Branch of the Council of Architects. Arkh. SSSR no. 12-62 '66.

## MOSCOW—INDUSTRIAL MANAGEMENT

Improving economic work in industry. G. G. Solntsev. Uch. zap. Kaf. sov. ekon. Vys. part. shkoly no. 1-8-18 '61

## MOSCOW—IRON AND STEEL WORKERS

A vocation, an essay. M. Steptichev. Kommunist. 43 no. 2-26-34 F '67.

## MOSCOW—MACHINERY INDUSTRY

The work of employees and the organization of production. V. Filin. Agitator no. 2-26-29 J. '62

## MOSCOW—MENTALLY HANDICAPPED CHILDREN

From the simple to the complicated one. A. Pogorelov. Sov. obshch. 41 no. 12-31-37 D '66.

## MOSCOW—MONUMENTS

The leading officials of the party and government have inspected the projects, buildings, and the experimental enterprises of the construction industry in Moscow. Stroitel. arkh. Mosk. 12 no. 6-1-3 J. '63.

## MOSCOW—MURAL PAINTING AND DECORATION

Russian historical figures in the frescoes of Arched Cathedral and the literary monuments of the 16th century. P. S. Slizov. Trudy ODRIL. 22-264-276 '66.

## MOSCOW—PLASTICS IN BUILDINGS

Experimental houses built with the use of plastics. I. U. Dykhovlova and others. Stroitel. arkh. Mosk. 12 no. 6-12-15 J. '63.

## MOSCOW—POLIOMYELITIS VACCINE

Serological survey of children in Moscow in 1962 for antibodies to poliovirus viruses. M. K. Voroshilova and others. Vop. viirus. 8 no. 1:404-409 J. Ag '63

## MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Biul. Ispol. kom. Mosk. gor. sov. nos. 1-2, 17 Ja, S '68; no. 1 Ja '67.

Rubnov, A. Z. [Fathers of the town] Otkry. goroda. [Moskva] Mosk. raboch. 1966, 110 p.

## MOSCOW—PROSTHESES

From the collegium of the ministry. Sov. obshch. 41 no. 12-44-46 D '66.

## MOSCOW—PSYCHIATRIC HOSPITALS

Glorious date in the history of psychiatry: 75th anniversary of the S. S. Korsakova Psychiatric Hospital. V. M. Banachikov. Zhur. nev. i psikh. 63 no. 1:137-139 '63.

## MOSCOW—RADIOBROADCASTING

Let us have more "days!" E. Shilakov. Sov. radio i tel. 12 no. 5-18-8 My '63.

Moscow speaking. Sov. radio i tel. 8 no. 3:33 '59.

## MOSCOW—RADIOBROADCASTING—STUDY AND TEACHING

Attending Moscow seminars. A. Grishaeva. Sov. radio i tel. 8 no. 3:30 '59.

## MOSCOW—RAILROADS

A century of the Moscow railroad. Zhel. dor. transp. 48 no. 10-78 O '66.

## MOSCOW—RAILROADS—MECHANIZATION

Technology light as labor. I. U. N. Vol'kovich. V. V. L'vov. Put' i put. kio. 10 no. 8-32-31 '66.

## MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.

"Khustal'noe," new cafe not capital. Stroitel. arkh. Mosk. 15 no. 6-16-17 J. '66

## MOSCOW—RESTAURANTS, LUNCHROOMS, ETC.—DESIGN AND CONSTRUCTION

Restaurant "Druzhba" on Potemka Street. I. Vinogradskii. V. Zaitseman. Stroitel. arkh. Mosk. 15 no. 6-24-26 J. '66

## MOSCOW—RETAIL TRADE—FINANCE

Potentialities of increasing the profit of trade organizations. G. Belkin. Sov. torg. 10 no. 1:37-41 J. '67

## MOSCOW—RH FACTOR

Rhesus factor varieties and their distribution among the population of Moscow. M. A. Umnova, R. M. Thomson. Vop. ant. no. 1-71-81 '60

## MOSCOW—RHODODENDRON

Introduction of some Siberian types of rhododendron in the Main Botanical Garden of the Academy of Sciences of the U.S.S.R. N. S. Allanskaya. Trudy Inst. 2 no. 4-518-521 '66

## MOSCOW—ROAD CONSTRUCTION

We will fulfill the plan for the third year of the seven-year plan ahead of time. P. N. Egorushkin. Transp. stroi. 11 no. 11-5-6 N '61.

## MOSCOW—SCHOOLHOUSES—DESIGN AND CONSTRUCTION

For the "Bolshoi" Theater of the U.S.S.R. B. Vilenchik. Stroitel. arkh. Mosk. 12 no. 6-21-26 J. '63.

## MOSCOW—STUDENTS, FOREIGN

A preparatory school for foreign students. F. I. Molina. Vest. vys. shkol. 21 no. 12-32-31 D '66.

## MOSCOW—SUBWAYS—DESIGN AND CONSTRUCTION

Stations of Zhidovskaya Station of Subway. L. Shagurina. Stroitel. arkh. Mosk. 15 no. 6-16-20 J. '66

## MOSCOW—TELEVISION PROGRAMS

Moscow is on the air. Sov. radio i tel. 8 no. 3:18-19 '59.

## MOSCOW—THEATER

Examination in the role of Tarkin. G. Dubasov. Teatr. 24 no. 7:147 J. '63

The old and the new in the Moscow Dramatic Theater. A. Chernova. Teatr. 21 no. 7:85-76 J. '63.

A play with conflict. L. Solntseva. Teatr. 21 no. 7:49 J. '63.

Why the spectator "blinks off?" Nina Davydova. Teatr. 24 no. 7:15-17 J. '67.

## MOSCOW—TRAFFIC ENGINEERING

Traffic organization and safety. Avt. transp. 11 no. 7-17-50 J. '63

## MOSCOW—WAGES—DEPARTMENT STORES

Turnover of goods, profit, and wages for trade workers. A. Kochunov, F. Molina. Sov. torg. 11 no. 12-43-18 D '66.

## MOSCOW—WITCH HAZEL

Trees and shrubs of the family Hamamelidaceae in Moscow. B. M. Gliner. Biul. Glav. bot. sadu no. 63:19-13 '60.

## MOSCOW, BATTLE OF, 1941-1942

The battle for the northern approach to our capital. K. Rokossovskii. Voenn.-isl. zhur. 8 no. 12-50-62 D '66.

The Battle of Moscow. K. V. Svyrydov. Uchr. i sl. zhur. 10 no. 12-115-110 D '66.

The great Battle of Moscow. Vop. ist. 41 no. 12-3-22 D '66

In the direction of the Iskra. A. P. Beloborodov. Sov. profsoyuz. 22 no. 23:17-21 D '66

In the fields and skies of the Moscow region. Voenn.-isl. zhur. 8 no. 12-41-49 D '66

Letters before the battle. V. Gromov. Sem'ia i shkola. 21 no. 12-23-25 D '66.

Moscow is behind us. D. Tarasov. V mire knig. 6 no. 10:6-7 N '66.

[Regardless how many years might pass] Skol'ko by lot ni proshlo. [Moskva] Molodaya gvardia, 1966, 293 p.

Some problems of military engineering during the Battle of Moscow in the summer and autumn of 1941. D. Afanasiev, B. Badanin. Voenn.-isl. zhur. 8 no. 12-11-20 D '66

## MOSCOW BASIN—COAL MINERS

Remarkable miners. V. Pykhin. Sov. shakht. 12 no. 4-10 Ap '63.



**MOVEMENT DISORDERS** (Continued)  
Reaction of the thyroid gland to immobilization. V. M. Gordienko. *Travmatologiya* no. 1 111-118 '65

**Use of multiple electrodes implanted in the subcuticular structures of the human body for the treatment of hyperkinesia.** N. P. Bekhtereva and others. *Zhurn. nevrolog. psikh.* 63 no. 1-8 '63

**MOZART, WOLFGANG AMADEUS, 1756-1791**  
**Belza, I. F.** [Mozart for the 200th anniversary of his birth] *Mozart, k 200-letiiu so dnia rozhdeniia* [n. p., Tip. Biblioteki im. Lenina, 1956] 23 p. (V pomoshch' slushatel'skimi konsertov) (CaOTU)

**MOZDOK (NORTH OSSETIA)—HISTORY**  
**History of Mozdok and its Ossetian population.** B. A. Kaloev. *Izv. Sev.-Oset. nauch.-issl. inst.* 25:248-257 '66.

**MSTA VALLEY—ANTIQUITIES**  
**Campeletis in the central Msta Valley near the city of Borovichi.** V. V. Gaiunovskii. *Sov. arkh.* 10 no. 1 155-160 '66.

**MUCOSIS**  
**Changes in the content of serum mucoproteins in hepato-cerebral dystrophy.** E. G. Lukshin, D. N. Cherkashchenko. *Vop. med. khim.* 12 no. 6 598-600 N-D '66

**MUCOUS MEMBRANE**  
**Changes in the nucleic acid metabolism in the mucosa of the small intestine following acute experimental radiation sickness.** I. N. Davydova. *Vop. radiohiol.* 4:179-183 '61.

**Development of radiation injury in the mucous membrane of the small intestine of mice and its regeneration under conditions of starvation.** N. F. Gromskaya. *Vop. radiohiol.* 4:208-221 '61.

**MUD VOLCANOES**  
(see also subdivision under Shemakha District, Turkmenistan)  
**Relation of mud volcanoes to subaquatic tectonics.** R. R. Rakhimov. *Azich. neft. khim.* 17 no. 7 10-17 J1 '63

**MUGODZHAR HILL REGION—WATER, UNDERGROUND**  
**Sydykov, Zh. S.** [Underground waters of the Mugodzhari Hills and plains of the Mugodzhari Hill region, formation, resources, and use] *Podzemnye vody Mugodzhari i Prilugodzharskikh ravnin; formirovaniye, resursy i ispol'zovanie.* Alma-Ata, Nauka, 1966. 114 p.

**MUHU ISLANDS—WORLD WAR, 1939-1945**  
[Fortress in the open sea. Translated from Estonian] *Krepost' v more.* Tallinn, Eesti Raamat, 1966. 123 p.

**MUKHINA, VERA IGNAT'EVNA, 1889-1953**  
Our art gallery. *Sem'la i shkola* 21 no. 12-49 D '66.

**MULBERRY**  
**Nutritional value of the leaf of the highly polyplod mulberry.** Mous nigra 1. K. Abdullayev, N. A. Dzhafarzov. *Dokl. AN Azerb. SSR* 19 no. 2 17-18 '61.

**MULLITE**  
**Heat treatment of mullite refractory.** S. Melolani. *Prom. Ariz.* 9 no. 10, 15-16 '66.

**MULTIPLE SCLEROSIS**  
**Neurohumoral relationships in multiple sclerosis patients.** L. I. Starostenko. *Dokl. AN SSSR* 10 no. 10: 808-810 D '66.

**Some biochemical data in multiple sclerosis.** O. A. Khondkarian. *Zhur. nevrolog. psikh.* 66 no. 12 1769-1776 '66

**Subordination and neurohumoral shifts in multiple sclerosis patients.** T. V. Senikh, L. I. Starostenko. *Dokl. AN SSSR* 10 no. 12:1001-1003 D '66

**MUMMIES**  
**Banavolenskii, A. M.** [In the tracks of an old mystery] *Po sledam drevnei lainy Iaroslavi'*, Verkhne-Volzhskoe knazhnoe izd-vo, 1966. 85 p.

**MUNICIPAL SERVICES** see subdivision under Leningrad; Rumania

**MUNITIONS** see subdivision under United States

**MÜNSTER, PEACE OF, 1648** see Westphalia, Peace of, 1648

**MURAL PAINTING AND DECORATION** see subdivision under Moscow; Novgorod, Vologda Province; Yugoslavia

**MURGAB OASIS—GEOLOGY, STRATIGRAPHIC**  
**Stratigraphy of Paleogene sediments in the Mary Oasis.** M. A. Tkachuk. *Izv. AN Turk. SSR Ser. fiz., tekhn., khim. i geol. nauk* no. 5 109-118 '63.

**MURGAB VALLEY—GEOLOGY, STRATIGRAPHIC**  
**Middle and Upper Eocene sediments in the southern part of the Tedzhen-Murgab interfluvio.** M. I. Raevskii. *Izv. AN Turk. SSR, Ser. fiz., tekhn., khim. i geol. nauk* no. 4: 75-81 '62.

**MURMANSK PROVINCE—CONSTRUCTION INDUSTRY**  
At a new stage. K. A. Glukhovskii. *Stroi. iarkhit.* 1 no. 25 no. 12-49 D '63

The theme of murmanization. *Pereseleniye na Sever* [n. p., izdat. Stroi. i arkhit. Leningrad, 1955] 51 p. '62

**MURMANSK PROVINCE—ECONOMIC CONDITIONS**  
**Burkovich, G. I.** [Man, work, wealth, an economist's story of the well-being of the workers of Murman] *Chelovek, trud, bogatstvo, nasekaz ekonomista o blagostoiniia iuditskikh bikhshia Murmana.* [Mur. mansk] Mur. manskoe knizhnoe izd-vo, 1955. 125 p. (CST-II)

**MURMANSK PROVINCE—FISH CULTURE**  
Calcium content in water of Murmansk fish hatcheries during development of Far Eastern salmon. I. E. Podolnaya. *Trudy MMH* no. 12:64-67 '66

**MURMANSK PROVINCE—GEOLOGY—BIBLIOGRAPHY**  
[Study of the geology of the U.S.S.R., I.] *Geologicheskai iuchebnosa* SSSR Glav. izd. A. N. Asaovskii da Moskva, Nauka.

Vol. 1 [Murmansk Province, period 1956-1960] Mur. manskai oblast', period 1956-1960. No. 1 [Published literature] *Opublikovannye raboty* 1960. 393 p.

**MURMANSK PROVINCE—MANUSCRIPTS**  
Archaeological expedition in Murmansk Province and the Leningrad S.S.R. in the summer of 1960. L. A. Dmitriev, A. I. Kopanov. *Trudy ODRI* 18:112-119 '67

**MURMANSK PROVINCE—RADIO IN EDUCATION**  
A "radio lecture hall." N. Rykalin. *Sots. zakon.* 13 no. 12:73 D '66.

**MURMANSK PROVINCE—SALMON**  
Calcium accumulation by embryos and young salmon in Murmansk and Sakhalin hatcheries. L. D. Zhiteneva. *Trudy MMH* no. 12:91-100 '66.

**MUSCULAR DYSTROPHY**  
Bioelectric activity of the brain in progressive muscular dystrophy. S. A. Melnikov and others. *Zhurn. nevrolog. psikh.* 63 no. 1, 8-13 '63

**MUSCLE**  
**Changes in the electrical characteristics of muscle fibers due to increased potassium concentrations in the environment.** V. A. Maizskii. *Biofizika* 8 no. 5:588-59 '63.

**Changes in the protein composition of skeletal, cardiac, and smooth muscle during following castration.** V. A. Iur'ev, Z. N. Zhakhova, N. I. Lopatina. *Biol. eksp. biol. i med.* 55 no. 5:54-57 May '63

**Effect of reciprocal changes in the concentration of potassium and chloride ions on the magnitude of resting potentials in isolated skeletal muscle fibers of the frog.** Liu Zy-thun' [Liang Tz'ung-tsun]. *G. A. Kuznetsov. Biofizika* 8 no. 5:597-605 '63

**Effect of total-body X-ray irradiation on the respiration of the gastropod in frog.** Z. I. Shitova. *Vop. radiohiol.* 1:132-139 '61.

**Role of contractile proteins in the determination of the resistance of muscular tissue to change.** G. I. Gilyen'eva. *Biol. eksp. biol. i med.* 55 no. 5:57-60 May '63.

**Absorption of some vital staining by muscle fibers of Mytilus galloprovincialis under changing conditions.** I. P. Suzdal'skaya. *TSitologiya* 8 no. 5:621-629 S-O '66.

**MUSCLE RELAXANTS**  
**Decamethonium in regard to forensic chemistry.** V. A. Kudimova. *Appl. delo* 12 no. 1:53-60 Jan-F '63.

**Influence of carbamate anhydride inhibitors on the effect of different myorelaxants.** A. I. Podlesnaya. *Trudy LPMI* no. 32:120-125 '65

**Some data on the use of muscle relaxants.** V. I. Chelov. *Izvest. Khim. i med.* 8 no. 6:66-68 N-D '63

**Treatment of muscular hypertonia.** V. V. Kent's, B. I. A. Vil'ner, S. A. Likhachev. *Zhurn. nevrolog. psikh.* 63 no. 1:35-37 '63.

**MUSCLES**  
**Action potentials of crayfish muscle fibers following prolonged exposure to solutions containing Ba ions.** D. A. Liberman, L. L. Voronin. *Biofizika* 8 no. 5:579-57 '63

**Characteristics of oxidative metabolism in animals in electrical intoxication.** L. P. Zubok. *Biofizika* 28 no. 2:265-271 Mr-Apr '63.

**Effect of imidazole compounds on a-ketoglutaric dehydrogenase from pigeon breast muscle.** V. S. Gornakova. *Biofizika* 31 no. 6:142-146 N-D '66.

**Some characteristics of the protein composition of tonic and tetanic skeletal muscles in frogs.** V. B. Ushakov. *Biofizika* 27 no. 5:828-835 S-O '62

**Study of dissociation of lactic dehydrogenase from rabbit muscles.** B. I. Kurganov, N. P. Sugrobova. *Biofizika* 31 no. 6:1084-1093 N-D '66

**MUSCLES—DISEASES**  
**Changes in the activity of some enzymes in the blood serum of relatives of children with myopathy.** L. P. Grinova. *Vop. med. khim.* 12 no. 6:600-603 N-D '66.

Morphological changes in the muscles and skin of a replanted extremity depending on ischemia and denervation. M. I. Shakhmatov, G. S. Lipovetskii. *Trudy I-go VMI* 19:227-232 '66

**Treatment of muscular hypertonia.** V. V. Kent's, B. I. A. Vil'ner, S. A. Likhachev. *Zhurn. nevrolog. psikh.* 63 no. 1:53-57 '63

**MUSCLES—INNERVATION**  
**Effect of denervation and subsequent reinnervation on nucleic acid content in functionally different muscles.** I. R. Shchegolev. *Ukr. biokh. zhurn.* 18 no. 6:607-609 '66

**MUSCLES—MOTILITY**  
**Contractile proteins in crayfish muscles.** V. V. Opet's, T. P. Seibertskova. *Biofizika* 28 no. 2:221-231 Mr-Apr '63

**Electrical activity of the muscles of the anterior abdominal wall in A. V. Vishnevskii's human novocaine block.** A. V. Kiselev. *Izvest. Khim. i med.* 8 no. 6:57-59 N-D '63

**Physical principle underlying the functioning of the contractile apparatus of muscles.** V. T. Khozhaev. *Biofizika* 8 no. 5:636-8 '63

**MUSCLES—TUMORS**  
**Intermuscular lipomas.** E. A. Chelkharina, I. U. G. Puchkov, D. I. Kichman. *Vop. onk.* 12 no. 11:6-11 '66.

**MUSCULOSKELETAL SYSTEM—INNERVATION**  
**Effect of the irradiation of peripheral regions of the nervous system on the respiration of skeletal muscles.** Z. I. Shitova. *Vop. radiohiol.* 1:16-68 '61

**MUSCULOSKELETAL SYSTEM—WOUNDS AND INJURIES**  
(see also subdivision under Kiev)  
**Medical expertise of the capacity for work in persons having suffered industrial trauma to the locomotor apparatus.** A. P. Khobovskaya, G. V. Novosel'skaya, T. A. Blizhinskaya. *Travmatologiya* no. 1:77-82 '65

**Some features of nonspecific immunity in injuries to the locomotor apparatus.** A. E. Kaplan. *Travmatologiya* no. 1:118-123 '65.

**MUSEUMS**  
**A review of the preparations of museums for the anniversary.** A. B. Zaks, V. G. Lurie. *Ist. SSSR* 10 no. 6 105-108 N-D '66

**MUSHROOMS** see subdivision under Latvia

**MUSIC—HISTORY AND CRITICISM**  
**Orlov, G. A.** [Soviet Russian symphonism, ways, problems, achievements] *Russkii sovetskii simfonizm; puti, problemy, dostizheniia.* Moskva, Muzyka, 1966. 330 p.

**MUSIC—PHILOSOPHY AND AESTHETICS** see subdivision under Europe, Western

**MUSIC CALENDARS**  
[Music calendar, 1967] *Muzykal'nyi kalendari' 1967 god.* Moskva, Muzyka, 1966. 359 p.

**MUSICIANS—CORRESPONDENCE, REMINISCENCES, ETC.**  
**Chalkovskii, P. I.** [Complete collected works] *Polnoe sobranie sochinenii.* Moskva, Muzyka, Vol. II. [Literary works and correspondence] *Literaturnye proizvedeniia i perepiska. Tom podgotovlen K. I. U. Davydovoi i G. I. Likhutina.* 1966. 358 p.

**MUSK**  
**Impovement of continuous filtration flow-sheet in the production of ammonia.** V. I. Anton'ev and others. *Trudy VNISNDV* no. 7 103-106 '65.

**Method of removing methyl ether of dinitro-m-cresol from ammonia.** V. M. Zalis, V. I. Anton'ev. *Trudy VNISNDV* no. 7 106-109 '65.

**MUSKIRATS**  
**Ecologic after-effects of introduction of a new species into continental biocenosis.** Oudaira in Eurasia. A. A. Nefedovich. *Zool. zhurn.* 45 no. 11:1593-1599 '66

**MUSKRATS—PARASITES** see Parasites—Muskrats

**MUTUAL ECONOMIC ASSISTANCE COUNCIL**  
**Cooperation of member countries of the Mutual Economic Assistance Council in the development of chemical industry.** N. P. Titov, M. I. Gubar. *Khim. prom.* 42 no. 12:881-888 D '66.

**An important phase in the collaboration of the Mutual Economic Assistance Council countries' stage.** O. Homogolov. *Kommunist* 13 no. 18 13-24 D '66.

**The Mutual Economic Assistance Council and bourgeois criticism.** S. Zaval'skii, L. Zukin, Mezhdunar. zhurn. 14 no. 1:11-19 '67.

**Network schedule graphs in construction of complex of buildings for member countries of the Mutual Economic Assistance Council.** A. Melik-Parasadanova, O. Noskov. *Ny. Stoi. Ros.* 7 no. 11:21-22 N '66.

**The new headquarters of the Mutual Economic Assistance Council.** E. Potanina. *Nov. vrem.* 26 no. 3:20-30 Ja '67.

**Strengthening the cooperation and mutual aid of socialist countries is the basis for the further consolidation of world socialist system.** S. Plakins. *Vop. ekon.* no. 12:111-120 D '66.



## MYASTHENIA GRAVE

Electrophysiological analysis of the myasthenic reaction  
D. A. Markov, B. I. Vilner, V. I. Savich Dokl AN  
BSSR 6 no 9-801-804 S-O '62

## MYCELUM

Study of nitrogen-containing components in the mycelia of  
Actinomyces A. M. Bezborodov, Mikrobiologiya 31  
no 5,801-810 S-O '62

## MYCOBACTERIUM

Chromogenic separation and allergenic activity of  
peptides isolated from strain D1/St of Mycobacterium  
tuberculosis V. I. Degtiarenko, A. I. Rozano, Zhur  
mikrobiol., epid i immu 43 no 11-20-33 N '66

Electron microscopic study of the effect of antitubercular  
preparations on tuberculosis mycobacteria T. N.  
Chalkina, Izv. Krasnodar. Mikrobiol zhur. 28  
no, 652-68 '66

Mycobacteria isolated from formation waters of oil fields  
in northeastern Sakhalin I K. N. Korkova, Mikrobiol  
logiya 35 no 5,890-893 S-O '66

Thermophilic variant of Mycobacterium luteum, G. P.  
Slavina, Mikrobiologiya 31 no 5,819 S-O '62

## MYCOBACTERIUM—CULTURES AND CULTURE

### MEDIA

Carbon nutrition of propane-oxidizing bacteria V. A.  
Rogdanova, Mikrobiologiya 35 no 5,787-788 S-O '66

## MYCOSES

Case of generalized candidomycosis E. D. Fanykova, N. I.  
Klimenko Trudy Novokuz GIDUVA 32:132-133 '65  
Complement fixation test with dried sera in diseases  
caused by fungi and yeasts T. A. Demchenko, Vest.  
derm. i ven. no, 12:51-53 '62

[Multivolume manual on the microbiology, clinical aspects  
and epidemiology of infectious diseases] Minogomono  
ukovodstvo po mikrobiologii, klinike i epidemiologii  
infektsionnykh boleznei, Moskva, Meditsina.

Vol. 10, Studitskiy, A. A., ed. [Historical essay  
on the microbiology, epidemiology and clinical  
aspects of unexplained diseases, mycoses and dis-  
eases of unexplained etiology] Istoricheski  
oчерk mikrobiologii, epidemiologii i kliniki in-  
fektsionnykh boleznei, mikrozy i bolezni s nevy-  
ясненной etiologией. Red. kollegiya X. I. Iosad, A. M.  
Arievich i dr 1966 604 p.

### (DNLM)

Some clinical, diagnostic, therapeutic, and preventive  
problems of mycoses of the feet A. M. Arievich,  
Vest. derm. i ven. no, 12:51-51 '62.

Soviet griseofulvin in the therapy of scalp mycoses A. M.  
Arievich and others Vest. derm. i ven. 37 no 3:3-6  
M '63.

## MYL'NIKOV, ANDREI ANDREEVICH, 1910-

A. Myl'nikov, V. Blek, Iskustvo 29 no, 11:26-32 '68,

## MYOCARDIUM—SURGERY

Methodology for the excision of a portion of the myocar-  
dium in a determined phase of the cardiac cycle for  
subsequent histological and autoradiographic exam-  
ination. A. N. Medvedevskii and others. Fiziol zhur  
48 no, 10:1277-1279 O '62.

## MYONEURAL JUNCTION

Summation and accommodation in stimulation of the central  
motor region in adult and newborn animals. D. P. Ma-  
tushkin Biol. eksp. biol. med. 55 no 6:3-8 Je '63

## MYOPIA

Changes of the vision and ocular refraction in the pro-  
cess of near-accommodation paralysis in myopia.  
S. G. Muradallieva, Azerb. med. zhur. 49 no, 3:23-28  
M '63.

Effect of atropinization on refraction in myopic children.  
N. A. Kazieva, Azerb. med. zhur. 40 no, 3:18-23  
M '63.

## MYOSINS

Contractile proteins in crayfish muscles. V. V. Oppel',  
T. P. Serebrenikova, Biokhimiya 28 no 2:224-231 M-  
Ap '63

Determination of the localization of muscle proteins in  
isolated myofibrils with the fluorescent antibody method.  
G. M. Frank and others Biophysika 8 no, 5:569-74 '63.  
Effect of ionizing radiation on properties of monomolecu-  
lar crystalline myosin layers and characteristics of  
gelatinization of its solutions A. R. Egliazarova, K. Sh.  
Nadareishvili, M. M. Zaslavskii, Radiobiologiya 6  
no 5:799-805 '66

orous substances. N. I.  
udy VNIISNDV no, 7:68-

er Diaster Valley;

yxoviruses. Vop. virus. 11

## AOELLATA

oa of the class Flagellata  
ephalus bursa, A. A.  
38, 19 no, 2:45-47 '63,

## NAKHICHEVAN A.S.S.R.—PUBLIC HEALTH

Development of public health in the Nakhichevan A.S.S.R.  
under Soviet authority A. N. Mamedov, Azerb. med.  
zhur. 10 no 4:100-105 Ap '63.

## NAKHICHEVAN A.S.S.R.—TICKS

Case of the detection of protozoa of the class Flagellata  
in the eggs of the tick Rhipicephalus bursa A. A.  
Grasnov Dokl AN Azerb SSR 19 no 2:43-47 '63

## NAKHICHEVAN A.S.S.R.—WORMWOOD

Locations and the species independence of the Nakhichevan  
wormwood (Artemisia Nachitshevanica Razadze)  
R. A. Ibbisov, N. M. Ismailov, K. S. Rybalko Dokl AN  
Azerb SSR 19 no, 2:43-44 '63

## NALACHEVA VALLEY—GEOLOGY, STRUCTURAL

Recent tectonics in the basins of the Avacha, Gavanika,  
and Nalacheva Rivers S. E. Aprikov Vop. geog.  
Korsh. no 3:75-81 '65

## NALBANDIAN MIKHAEL LAZAREVICH, 1920-1966

Mikhail Nalbandian's unpublished letter to Georgiy Vaga-  
petian Vest. obschestv. nauk AN Arm SSR no 5:88-  
91 M '66

NAMES, GEOGRAPHICAL see subdivision under  
Kamchatka; Tambov Province

## NAMES, GEOGRAPHICAL—CONGRESSES

All-Union Conference on the Toponymy of the Soviet  
Union V. P. Kuskov Vop. geog. Kamch. no 3:133-  
134 '65

## NAMES, PERSONAL

Help me to change my name I. Vaksberg Sem'la i  
shkola 21 no, 12:45 D '66

## NAPHTHA

Investigating the aromatic hydrocarbons contained in  
catalytic cracking naphtha N. M. Indukov and others  
Neftekhimiya 3 no 5:668-671 S-O '63

## NAPHTHALAN—THERAPEUTIC USE

Comparative evaluation of the compound treatment of  
rheumatoid polyarthritis with naphthalan and mastic in  
combination with buladione. G. G. Akhadi, Azerb. med.  
zhur. 40 no 4:79-83 Ap '63.

## NAPHTHALENE

Behavior of admixtures during naphthalene production.  
B. M. Patis, M. K. Pakter, Koks i khim. no 10:40-  
53 '66

Oligomers of diazo and their properties. S. F. Naumova  
and others. Dokl AN BSSR no, 12:965-968 D '66.  
Preparation of commercial naphthalene from naphthalene  
fraction by the crystallization-fusion method. T. I. A.  
Gogoleva, Koks i khim. no, 10:11-15 '66.

## NAPHTHALENONE

Compounds of the 2-tetralone series V. F. Smir, N. M.  
Piznalgovskaya, Usp. khim. 35 no, 7:1250-1264 J '66.

Polarographic determination of 2-tetralone oxime in  
V-(o-aminophenyl) butyrolactam, N. A. Leshneva, E. A.  
Kruglov, Zhur. anal. khim. 21 no, 11:1358-1362 '66.

## NAPHTHALIC ANHYDRIDES

Luminescent properties of the products of condensation  
of naphthalic anhydride with 3, 1-diaminoantole B. M.  
Krasovitskii, E. A. Shevchenko, I. D. Shcherbak Zhur.  
VKIO 11 no 6:705 '66.

## NAPHTHENES

Condensation of naphthenic acids and naphthonic alcohols  
with ethylene oxide N. M. Romanov, A. N. Nilazov  
Izv. AN Turk SSR Ser. fiz.-tekh. i khim. i geol. nauk  
no 5:34-39 '62.

## NAPHTHENIC ACIDS

Acylation of aromatic hydrocarbons by naphthenic acids,  
A. N. Nilazov, K. N. Sidorenko, Izv. AN Turk. SSR, Ser.  
fiz.-tekh. i khim. i geol. nauk no 4:40-52 '62.

Alkyltolamides of naphthenic acids, P. O. Demchenko,  
V. I. Stoykovskiy, Dop. AN URSR no, 7:903-908 '63.

## NAPHTHOIC ACID

Study of complex formation in the solutions of some azo  
derivatives of  $\alpha$ -hydroxynaphthoic acid N. A. Mikhina,  
L. P. Kulev Zhur. VKIO 11 no 6:706-707 '66

## NAPHTHOL

Effect of the medium on oxidation in azo coupling. Part 1:  
Coupling with  $\alpha$ -naphthol. L. N. Ogoleva, B. I. Stepanov  
Trudy MKIIT no 42:44-48 '63.

Effect of  $\alpha$ -naphthol in the inhibited process of oxidizing  
depolymerization of the copolymer of nitrobenzene with  
nitrobenzene L. A. Nikulina, V. A. Sukhov, A. P. Lukovni-  
kov Plast. massy no, 12:41-43 '66

## NAPHTHOQUINONE

Shikoni from Lithospermum officinale, N. V. Tarceva  
and others, Khim. prirod. soed. no 5:359-360 '66.

## NAPHTHYLAMINE—PHYSIOLOGICAL EFFECT

Humoral antibodies in the blood serum of dogs in early  
stages of carcinogenesis under the effect of  $\beta$ -naphthyl-  
amine, T. A. Korosteleva, A. P. Skachkov, Vop. onk.  
12 no, 12:67-68 '66.

## NAPRASNIKOV, ALEKSEI ILLARIONOVICH, 1895-1960

Alexei Illarionovich Naprasnikov, obituy. Koks i  
khim. no, 12:58 '66.

## NARCOTICS AND CRIME see subdivision under France

## NARYN VALLEY—SOILS, SALTS IN

Diffusional salinization of soils in Naryn Depression and  
measures for its control K. N. Naisov, B. B. Kis, B. V. Vaca  
ob-va pochv. no 2:47-62 '63

## NATIONAL CHARACTERISTICS, UKRAINIAN

Zaporozhets, Sydri. [Social problems of everyday life]  
Sotsial'no-pobutovi problemy. Toronto, 1956, 200 p.  
(Col)

## NATIONAL SONGS, FRENCH see subdivision under Siberia

## NATIONALISM

(see also subdivision under Ukraine)

Ward, Barbara. [Five ideas that change the world. Trans-  
lated from the English] Piat' idei, kotorye menyalutsvir.  
New York, F. A. Praeger [1961] 189 p.  
(NYC)

## NATIONALISM AND EDUCATION see subdivision under Germany, West

## NATIONALISM AND SOCIALISM

Ideological problems of the national liberation movement.  
K. Brutents. Kommunist 43 no, 18:37-50 D '66

## NATIONALITIES

(see also subdivision under Kazakhstan; Soviet Central Asia)

Anisimova, T. B. [Constitutional forms of relations  
among the nationalities of the U.S.S.R., for national-  
ities of Marxism-Leninism] Gosudarstvennye pravovye  
formy natsional'nykh otnosheniy v SSSR, dlya natsional-  
istov marksizma-leninizma, Moskva, Mysl', 1966. 324 p.  
61 p. (Osnovy sovetskogo gosudarstvennogo stroitel'-  
stva i prava)

Bagramov, E. A. [The nationalities problem and bour-  
geois ideology, criticism of modern political and socio-  
logical concepts] Natsional'nyi vopros i burzhuazna  
ideologiya, kritika novykh politiko-sotsiologicheskikh  
konceptov. Moskva, Mysl', 1966 324 p.

The concept of "nationality." S. I. Pruzhinskii and others  
Vop. ist. 41 no 12:110-116 D '66

Development of the socialist culture of Soviet peoples in  
the interpretation of Soviet historical published in  
1956-1963, L. M. Zak, Trudy MGIAI 22:51-77 '66.

From the declaration of the people's rights to the fraternal  
union of nationalities, P. Simush Agitator 34  
no 23:6-8 D '66

The Marxist-Leninist program on the nationalities  
problem and its realization in the U.S.S.R. V. T.  
Pantukh, Krasna, Ukr. ist. zhur. 10 no, 11:78-88 N '66.

Our close-knit family of nations is marching toward the  
great goal. A. A. Atvataturov, Izv. Sev.-Oset. nuch.  
-issl. inst. 25:32-46 '66.

Rapprochement of the socialist nations N. M. Semenov.  
Uch. zap. CHIMFIALIT no, 23:89-124 '63

Some problems in the theory of "nationality." T. M.  
Butimishova Vop. ist. 11 no 12:100-110 D '66

The 23d Congress of the CPSU on the development of  
nationality relations in the U.S.S.R. A. I. Kholmegu-  
rov, Vest. Mosk. un. Ser. 61 Filos. 21 no, 3:1-13  
My-je '66.

## NATURAL GAS see Gas, Natural

## NATURAL RESOURCES—LAW AND LEGISLATION

We should protect and preserve natural resources.  
M. Baskakov Rad. pravo 26 no 12:39-41 D '66.

## NATURE (AESTHETICS)

It will always remain in my memory A. Rukavishnikov.  
Doshk. vosp. 39 no 12:56 D '66.

## NAUTICAL ASTRONOMY—STUDY AND TEACHING

Improving the habits of watch officers in nautical astro-  
nomy. A. C. Kolodnizhnyi, Mor. shor. 49 no 10:56  
59 O '66.

## NAVAL ARCHITECTURE

Calculation of the bilge with the consideration of the load  
in the presence of partial longitudinal partitions. M. V.  
Nablianova Trudy Kal. tekh. inst. ryb. prom. 15:129-  
135 '62

Designing the upper works of a ship with a given stability  
diagram. A. N. Bogoslavskii, Trudy LITV no, 8:  
140-144 '65.

Distribution of stresses in the coaming of open vessels.  
V. D. Starostin, Trudy LITV no, 8:194-198 '65

Effect of basic characteristics of the outline form of  
fishing ships on resistance. S. N. Krasnopolskii Trudy  
Kal. tekh. inst. ryb. prom. 15:78-105 '62

Hydrodynamics serves the navy. A. N. Shmyrev, V. F.  
Drobenkov, Mor. shor. 49 no, 10:32-39 O '66.

Template-beam methods of plotting a theoretical draft.  
V. G. Zin'kovskii-Gorbatenko, Trudy Kal. tekh. inst.  
ryb. prom. 15:48-71 '62.

## NAVAL ARCHITECTURE (Continued)

Using the method of reducing the prototype to geometric similitude in designing ships. A. I. Rakov. Trudy hal' tekhn. inst. 1961 no. 150-166 '62

## NAVAL ARCHITECTURE—SPECIFICATIONS

Method of working out basic tables of the new "Regulations on the building of steel inland vessels." V. P. Kuznetsov. Trudy LITV no. 81 75-85 '65

"Regulations on the building of reinforced concrete inland waterway vessels" of the River. Register of the R.S.S.R. (1966 issue) N. Egorov. Rezh. transp. 25 no. 12 31 '66

## NAVAL EDUCATION

Greater attention to the naval training of airman. A. P. Balashov. Mor. sbor. 49 no. 10-50-52 O '66

The sailor's age. A. G. Bazanov. Mor. sbor. 49 no. 10-40-47 O '66

Training of emergency parties. B. G. Shil'man. Mor. sbor. 49 no. 10 17 50 O '66

## NAVIES

"All flags will be waving us." Mor. sbor. 49 no. 10 7-9 O '66

## NAVIGATION

Grishin, I. A. [History of navigation] Istoriya moreplavaniya. Moskva, Transport, 1966, 226 p.

Methods of evaluating the accuracy of course indication correction. V. V. Vindimov. Mor. sbor. 49 no. 10 53-66 O '66

Readers' suggestions. G. G. Piltanov, M. Z. Nisnevich. Mor. sbor. 49 no. 10 77-78 O '66

Redonov, A. I. [Automation of navigation] Avtomatizatsiya sudovozhdeniya. Moskva, Transport, 1966, 98 p. (Kursy usovershenstvovaniya plavsovlada MMF)

## NAVIGATION—TABLES

Reply to the article "Against simplicity." M. Nikiforov. Ryb. khoz. 42 no. 11 44-45 '66

## NAVIGATION (AERONAUTICS)

Fedchin, S. S. [Airplane piloting] Samoletovozhdenie. Moskva, Transport, 1966, 527 p.

Wind changeability and its influence on intervals of repeated measurements. N. F. Mironov. Mor. sbor. 49 no. 10 52-56 O '66

## NEAR EAST—PETROLEUM INDUSTRY

Attacks on oil monopolies. D. Kasatkina. Mezhdunar. zhurn. 11 no. 123-124 '67

## NEBULAE

Ratio of total to selective interstellar absorption in Orion. R. Bartkus. Astron. izv. no. 300.3-5 N '64

## NECESSITY (PHILOSOPHY)

The dialectic of necessity and chance. G. M. Sitniks. Vopr. filos. nauch. i teoret. 21 no. 3 81-86 My-Je '66

## NECK—DISEASES

Popelianski, I. A. [Cervical osteochondrosis; compression and reflex syndromes] Sheinyi osteokhondroz, kompressionnye i reflektoriye sindromy. Moskva, Meditsina, 1966, 283 p. (DNLM)

Shoulder-hand reflex nemodystrophic syndrome in cervical osteochondrosis. I. A. Popelianski. Zhurn. nevro i psikh. 63 no. 143-18 '63

## NETFANYEY KAMNI OIL FIELD—OIL WELL DRILLING

Drilling technique in the Netfanyeiy Kamni oil field. I. U. Zulaev, N. N. Mamedov, T. I. Dzhalkov. Azerb. neft. khoz. 12 no. 5 22-15 My '63

## NEISSERIA

Results of using sulfadimethine for the treatment of meningococcus carriers in foci of infection. L. A. Genchikov. Zhurn. mikrobiol., epid. i immunit. 43 no. 11 136-139 N '66

## NEKRASOV, NIKOLAI ALEKSEEVICH, 1821-1877

Grudev, A. I. [N. A. Nekrasov's poem "For whom life is good in Russia"] Poema N. A. Nekrasova "Komu na Rusi zhit' khorosho." Moskva, Khudozh. lit-ra, 1966, 116 p.

## NELSON, NELS CHRISTIAN, 1875-1964

Nels Christian Nelson. A. P. Okladnikov. Vop. ist. 41 no. 12 187-188 D '68

## NEMATODA

(see also subdivision under Moldavia)

Case of gongyloniasis in man. N. A. Bulycheva, T. I. Avgustina. Med. paraz. i paraz. bol. 31 no. 5 611-612 S-O '62

Nematodirus infestation of sheep. M. I. Paskal'skaya, A. L. Miltina. Veterinarika 43 no. 12 44-45 D '66

Phitometra infestation of carp. G. V. Vasil'kov. Veterinarika 43 no. 1 62-64 Ja '67

Rare case of Moniliformis Moniliformis parasitizing in man. M. P. Mitzhova. Med. paraz. i paraz. bol. 31 no. 5 512-513 S-O '62

## NEMATODE DISEASES OF PLANTS

Plant resistant to nematode. A. Fainzols. Zashch. rast. 11 no. 12 30 '66

## NEON

Excitation of inert gases in electron-atom collisions. Part 2. Neon. P. V. Fel'tsman, I. P. Zaprachnyi, M. M. Poreh. Ukr. fiz. zhurn. 11 no. 11 1222-1230 N '66

## NEPAL—ROCKS, CARBONATE

Some carbonate rocks of Nepal. D. D. Tenner, V. S. Iablokov. Lit. i pol. iskan. no. 6 48-64 N-D '66

## NEPHELITE

Depressant action of sodium silicofluoride in flotation of nepheline ores. G. F. Suslikov, V. F. Potapenko. Otkryt. rad. 11 no. 3 15-18 '66

## NEPHELOMETRIC ANALYSIS

Theory of photoluminescence titration. N. D. Polobed, A. G. Karpushova. Uch. zap. Volg. gos. ped. inst. no. 18 49-55 '61

## NEPTUNIUM—PHYSIOLOGICAL EFFECT

Neptunium-237 behavior in animal organisms and some problems of its biological action. V. V. Krestov, R. E. Libinon. Radiobiologiya 6 no. 6 837-841 '66

## NERVES

Changes in the amplitude of the action potential of guinea pig nerve fibers during the spreading of impulses of varied forces from the point of stimulation. G. A. Mozhaev, G. N. Mozhaeva, I. I. Marashova. Biofizika 5 no. 5 606-611 '63

Distal phase of physiological neuron regeneration: interfacial and electrophysiological study. V. A. Rodskii, A. M. Azbelova, L. P. Kuznetsova. TSitologiya 8 no. 5 662-664 S-O '66

Electric potentials of isolated nerves as affected by tetanus toxin. S. A. Kuznetsov, M. G. Mogiln. Izv. AN Mold. SSR no. 5 13-18 '65

Some data on the electron microscopy of nerve tissues: a review of literature. I. I. Glezor. Zhurn. nevro i psikh. 63 no. 114-151 '63

Statistical method for determining the output signal of nervous networks. V. I. Meitus. Kibernetika no. 6 72-78 N-D '66

## NERVES—SURGERY

Work capacity in a late period after suturing the nerves of the extremities. V. L. Kachaev. Zhurn. nevro i psikh. 63 no. 146-155 '63

## NERVES—WOUNDS AND INJURIES

Role of nerve elements in restoration of functions. V. V. Shuvnov, V. A. Potanin, M. A. Shustov. Trudy t-go MNT 49 216-250 '66

## NERVES, CRANIAL

Structure of perineural spaces and ducts abducting lymph from the cerebrosplinal nerves. N. A. Kurdumov. Arkh. anat., gist. i embri. 14 no. 3 121-126 Mr '63

## NERVES, PERIPHERAL—SURGERY

Surgery on the blood vessels and nerves in acute radiation sickness. L. A. Melnik. Med. rad. 7 no. 6 117-122 Ag '62

## NERVES, PERIPHERAL—WOUNDS AND INJURIES

"Reaction of the nervous system of the organism to a chronic lesion of a peripheral nerve" by E. K. Plechkova. Zhurn. nevro i psikh. 63 no. 1157-158 '63

## NERVES, SPINAL

Changes in alkaline phosphatase activity in neurons of spinal ganglia of rat following resection of rectum and sigmoid colon. A. P. Amvros'ov. Dokl. AN SSSR 10 no. 9 710-714 S '66

Structure of perineural spaces and ducts abducting lymph from the cerebrosplinal nerves. N. A. Kurdumov. Arkh. anat., gist. i embri. 14 no. 3 121-126 Mr '63

## NERVES, SPINAL—DISEASES

Ozocerite treatment in lumbosacral radiculitis with electromyographic control. M. Z. Kol'kaev. Zhurn. nevro i psikh. 63 no. 144-18 '63

## NERVES, SPINAL—SURGERY

Electrical potentials of the degenerating dorsal spinal cord root in cats. T. M. Mamonova. Fiziol. zhurn. 48 no. 10 1270-1276 O '62

## NERVES, SPALANCHNIC

Aspects of the localization of conductive pathways of the visceral afferent system in the region of the internal capsule. O. G. Baklavadzhian. Biol. eksp. biol. i med. 55 no. 6 10-13 '63

## NERVOUS SYSTEM

Brilukov, D. A., ed. [Mechanisms of the activity of the central neuron] Mekhanizmy deyatelnosti tsentral'nogo neirona. [By] G. A. Vartanian i dr. Moskva, Nauka, 1966, 262 p.

Changes in the peripheral blood and bone marrow in animals irradiated in a state of nervous depression or stimulation. T. M. Kondrat'eva. Vop. radiobiol. 4 151-164 '61

Comparative physiological data on the origin of the higher nervous activity in man. I. G. Voronin. Vop. antr. no. 4 21-33 '60

Concept of Pavlovian nervousism in pharmacology; on the 70th birthday and the 50th anniversary of the scientific activity of Professor S. V. Anichkov, active member of the Academy of Medical Sciences of the U. S. S. R. D. A. Biriukov. Fiziol. zhurn. 48 no. 10 1287-1289 O '62

Correlation between the strength of the nervous system and the dimension of unconditioned food secretory reflexes. L. P. Rudenko. Zhurn. vys. nevro. det. 13 no. 4: 695-698 Ji-Ag '63

Dynamics of changes in nonspecific phosphatases in central nervous system of white mice infected with human acute encephalomyelitis virus. K. A. Vanaig, V. V. Malinova. Eksp. i klin. Bykhov. Vop. vius. 11 no. 5 561-570 S-O '66

Effect of d-lysergic acid diethylamide on higher nervous activity in monkeys. N. I. Lagutina and others. Zhurn. vys. nevro. det. 13 no. 1 638-645 Ji-Ag '63

Effect of ionizing radiation on the peripheral nervous system. A. V. Luvovskaya. Vop. radiobiol. 4: 68-75 '61

Effect of mediators on functional and morphological properties of the nerve trunk. H. S. Orlov, V. N. Shvanev. Izv. AN SSSR Ser. biol. no. 3 430-440 My-Je '63

Electrophysiological methods in studying the main characteristics of the human nervous system. V. D. Nelyutskiy. Sov. pedog. 30 no. 8 35-41 Ag '66

Polkanina, R. I. [Development of the higher nervous activity in premature infants during the early period of their life] Razvitiye vysshego nervnogo deyatelnosti u nedonoshennykh detey v ranneye periode zhizni. [Leningrad. Meditsina, 1966, 246 p. (DNLM)]

Shifts in macrostructure of blood proteins following functional changes in central nervous system induced by chronic hydrate. A. P. Akhmetchenko and others. Dokl. AN SSSR 171 no. 2 58-60 N '66

Significance of overexcitation of the central nervous system in the genesis of experimental hypersensitive cerebellar insufficiency. L. V. Krushinskii and others. Biol. eksp. biol. i med. 35 no. 6 40-43 Je '63

## NERVOUS SYSTEM—AGING

Age-related mobility of human basic nervous processes. A. E. Khit'chenko, L. N. Kuz'khi, N. F. Kur'khi. Vop. psikh. bol. no. 6 123-126 N-D '66

## NERVOUS SYSTEM—CONGRESSES

Fourth All-Union Conference on Biochemistry of Nervous System. E. F. Goncharova. Ukr. biokhim. zhurn. 38 no. 6 654-656 '66

## NERVOUS SYSTEM—CRUSTACEA

Ultrastructure of crab axon and its permeability to vital stains. K. A. Gol'fand and others. TSitologiya 8 no. 5 585-597 S-O '66

## NERVOUS SYSTEM—DISEASES

L'vovskii gosudarstvennyi meditsinskii institut. [Problems of neuropathology and psychiatry, abstracts of reports presented at a scientific conference, February 1-3, 1967] Voprosy nevroptologii i psikiatrii; knizhko soderzhashchaya doklady nauchnoi konferentsii, 1-3 fevralia, 1967 g. L'vov, 1966, 289 p. (DNLM)

[Multivolume manual on pathological physiology] Mnogotomnoe rukovodstvo po patologicheskoj fiziologii. Otv. red. N. N. Strolin. Moskva, Meditsina, Vol. 4. Leites, S. M., and S. M. Pavlenko, eds. [Pathological physiology of the digestive system, liver, endocrine and nervous systems] Patologicheskaya fiziologiya pishchevaritel'noi sistemy, pecheni, endokrinnoi i nervnoi sistemy. 1966, 548 p. (DNLM)

Pathogenesis of lesions of the nervous system in ascariasis. F. F. Talyzin, M. V. Galin. Med. paraz. i paraz. bol. 31 no. 5 551-558 S-O '62

Pathomorphology of the central nervous system in experimental brucellosis of guinea pigs immunized with a specific vaccine. Report No. 1. V. V. Veselova. Sbor. nauch. rab. SIBNI no. 11 101-105 '62

Pathomorphology of the nervous system in sheep during the acute period of experimental brucellosis. K. P. Gus'kova. Sbor. nauch. rab. SIBNI no. 11 107-115 '62

Role of the nervous system in the processes of thyroid gland hyperplasia. M. E. Skatkov. Probl. endok. i gorm. 9 no. 1 18-23 Ja-F '63

Role of tyroplasmosis in changes in the nervous system in congenital defects of the heart and large vessels in children. R. A. Kovaneva, M. A. Pronina, N. A. Bykova. Vest. AN SSSR 17 no. 10 40-44 '62

Some data on the state of the nervous system in enterovirus in children. L. P. Savchenko. Med. paraz. i paraz. bol. 31 no. 5 557-559 S-O '62

State of the nervous system in glossodynia. R. Kh. Maksudova, E. I. Golubeva. Zhurn. nevro i psikh. 63 no. 1: 27-30 '63

## NERVOUS SYSTEM—WOUNDS AND INJURIES

Some data on relationship between characteristics of brain trauma and the phenomenon in dogs following with electric shock. Topography of petripheral nervous system. B. I. Lebedev. Radiobiologiya 6 no 6 113-50 '66

## NERVOUS SYSTEM, AUTONOMIC

Electrophysiological data concerning the connections of the pallidum with other sections of the central nervous system in man. Report No 2. Connections of the pallidum with the spinal cord centers and autonomic trunk formations. L. M. Gul'man and others. Bul'skap biol i med 45 no 5 7-13 '63  
Subordination of autonomic shifts in multiple sclerosis patients. T. V. Vencuk, L. I. Stalutenko. Dokl AN BSSR 10 no 12 1001-1003 D '66

## NERVOUS SYSTEM, PARASYMPATHETIC

Reflex nature of the second physiological anticoagulation system. T. M. Faliushevskaya, B. A. Kudrinskaya. Fiziol zhur 46 no 10 1234-1236 O '62

## NERVOUS SYSTEM, SYMPATHETIC

Effect of ablation of the superior cervical sympathetic ganglion on conditioned shaking-off response in rabbits during ontogenesis. M. P. Khatina, G. A. Christova. Zhur vsv nrv deat 13 no 4 727-730 Ji-Ag '63

Experimental vascular spasm in hind limbs caused by a chemical irritation of the lumbar sympathetic ganglia. V. P. Viltanov, Yu. M. Gal'perin. Ekspri Yu i med 8 no 6 33-36 N-D '63

Sympathetic nature of "spontaneous" impulses recorded in the common nerve trunk of the frog. M. V. Kirzon, G. V. Kopylova. Biol elsp.biol i med 55 no 5 5-8 My '63

## NERVOUS SYSTEM, VASOMOTOR

Modification of vasomotor and secretory conditioned and unconditioned reflexes in acute radiation sickness in dogs. V. A. Il'minski. Zhur vsv nrv deat 12 no 3 521-529 My-Je '62

Vasomotor reactions of organs in the abdominal cavity at various levels of arterial pressure. V. P. Kulagina. Biol elsp biol i med 55 no 5 16-20 My '63

## NESIN, AZIZ

A masterpiece of fiction. Aziz Nesin. Vneshn knig 6 no 10 48 O '66

## NESTOR SKANDER

"The Constantinople vision" in the "Tale of Constantine" of Nestor Iskander and its interpretation in some monuments of applied art. K. K. Mamaev. Triudy ODRL 22 342-352 '66

## NETS (MATHEMATICS)

Difference schemes on numerical calculation for fourth-order differential equation with specially selected net. A. K. Boiarciuk. Vych mat [kav] no 2 53-66 '66

## NEUROCHEMISTRY

Histochemical study of adenosinetriphosphatase activity in regenerating and degenerating nerves. O. M. Rozhmanova. Upr biokhim zhur 38 no 6 573-579 '66

Use of different fixatives in studying hypothalamic-hypophyseal neurosecretory material in rats. O. A. Danilova. Tsitologiya 8 no 5 664-669 S-O '66

## NEUROLOGY—RESEARCH

Device for automatic recording of neuron group. S. A. Kuznetsov, N. N. Vlasov, A. I. Nadvodnyuk. Izv. AN Mold. SSR no 5, 50-57 '65

## NEUROPATHOLOGY

Akademii meditsinskikh nauk SSSR. Institut eksperimental'noi meditsiny. Role of deep structures of the human brain in the mechanisms of pathological reactions, materials for a symposium, June 10-12, 1965. Rol' glubokikh struktur golovnoy mozga cheloveka v mekhanizmach patologicheskikh reaktsii; materialy k simpoziumu, 10-12 iyunia 1965 g. Leningrad, 1965, 120 p. (DNLN)

## NEUROPSYCHIATRY

Paradoxal sleep and neuropsychic diseases. E. A. Kostandov, B. A. Lebedev, K. K. Monakhov. Zhur nrv i psikh 67 no 1 144-149 '67

## NEUROSES

Methodology for the production of experimental neuroses in small laboratory animals. T. D. Dzidzigiuri. Zhur vsv nrv deat 12 no 3 567-568 My-Je '62

Problem of neuroses induced by the movement method. T. A. Merling. Zhur vsv nrv deat 12 no 3 481-488 My-Je '62

Specificity of the origin and development of neurotic states in operators in the man-machine system. F. D. Gorbov, O. N. Kuznetsov, V. I. Lebedev. Zhur nrv i psikh 66 no 12 1805-1812 '66

## NEUTRINOS

Deuteron splitting by neutrinos. Yu. S. Kopysov, V. A. Kuz'min. Izd. fiz 4 no 5 1031-1036 N '66

Double beta-decay and characteristics of neutrino. V. R. Lazarenko. Usp fiz. nauk 90 no 4 601-622 D '66

Neutrino pair production in electron motion within magnetic field. V. N. Briuk, V. M. Katiyov. Dokl. AN SSSR 171 no 2 313-316 N '66

P-wave theorem and neutrino theory of photons. V. S. Berezinski. Zhur eksp i teor fiz 51 no 5 1374-1384 N '66

## NEUTRONS

Absor. Yu. G., A. D. Gul'ko, and P. A. Krupchitski. [Polarized slow neutrons] Poliarizovaniye medlennyye neitrony. Moskva, Atomizdat, 1966. 207 p.

Cross section of  $Pd^{108}$  and  $Am^{241}$  fission on monoenergetic resonance neutrons. V. T. Gerasimov. Izd. fiz 4 no 5 985-992 N '66

## NEUTRONS—CAPTURE

Radiative capture of fast neutrons by  $Y^{89}$  isotope. V. A. Tolstopyov and others. Atom energ 21 no 6 506-507 D '66

## NEUTRONS—DIFFRACTION

Neutron diffraction in polarized crystals. V. G. Baryshevskii. Zhur eksp i teor fiz 51 no 5 1587-1591 N '66

## NEUTRONS—EMISSION

Asymmetry of neutron escape in  $\mu$ -capture. V. G. Zeleninski. Izd. fiz. 1 no 5 1021-1026 N '66

## NEUTRONS—MEASUREMENT

Measuring flux of thermal neutrons and cadmium ratio on basis of gold activation. S. S. Bugakov and others. Atom energ 21 no 6 508-509 D '66

## NEUTRONS—SCATTERING

Effect of target polarization on neutron magnetic scattering. V. G. Baryshevskii, L. N. Kozmenko. Dokl. AN BSSR 10 no 12 126-128 D '66

Incoherent neutron scattering in ferromagnets and problem of restoration of magnon spectrum. Yu. A. Izumov, M. V. Medvedev. Zhur eksp i teor fiz 51 no 5 1423-1429 N '66

Role of diffusion processes in scattering of slow neutrons in liquids. G. K. Ivanov. Zhur eksp i teor fiz 51 no 4 1120-1126 O '66

Use of corona discharge counters in determining molecular dispersion materials by the method of reversed neutron scattering. M. P. Volanovich, P. I. Skvortsova, Koll. zhur. 28 no 6 810-823 N-D '66

## NEUTRONS—SPECTRA

Neutron spectra in (d, n)-reactions on mean atomic weight nuclei. V. V. Okorokov and others. Izd. fiz 4 no 5 975-984 N '66

## NEW GUINEA—DESCRIPTION AND TRAVEL

Mikhukha-Makal, N. N. [A trip to New Guinea]. Mandrivka na Novu Gvineyu. Kyiv, Veselka, 1965. 307 p. (CaAEU)

## NEW STARS see Stars, New

## NEW YORK (CITY)—THEATER

Broadway theater without makeup. Sasha Luit. Teatr 24 no 7 157-160 Ji '63

## NEWCASTLE DISEASE—PREVENTIVE INOCULATION

Effect of feed terramycin and strain 2377 on the immunity in the case of Newcastle disease and pasteurellosis of chickens. P. N. Kouranov. Veterinariia 13 no 12 18-20 D '66

## NEWCASTLE DISEASE VIRUS

Use of target theory in evaluating size of structural components of Newcastle disease virus. M. M. Vilenchik and others. Vop virus 11 no 5 603-606 S-O '66

## NEWSPAPER LAYOUT AND TYPOGRAPHY—EQUIPMENT AND SUPPLIES

Matrix paper for four-color printing of newspapers. M. M. Kulmanin. Triudy VNIIT no 51 14-27 '65

## NEWSPAPERS

(see also subdivision under Soviet Central Asia)

Broader exchange of opinions is needed. R. I. Mervinskii. Poligr. proizv. no 9 36-37 S '63

Is Comrade V. Kolokot right? S. M. Gurevich. Poligr. proizv. no 9 32-35 S '63

It requires constant care to bring out newspapers of industrial departments. Poligr. proizv. no 9 2-3 S '63

We are for 6 columns! S. Kozhevnikov. Poligr. proizv. no 9 35-36 S '63

## NEZHIN—HISTORY—SOURCES

Decrease of Ukrainian hatmans which granted privileges to the city of Nezhin. A. D. Bys'ko, V. P. Shmat. Ukr. ist. zhur. 10 no 11 118-119 N '66

## NICKEL see subdivision under Azov Sea region

## NICKEL—ANALYSIS

Complexometric ultramicrotitration of nickel using mercury electrode. I. P. Altmanin, M. N. Peirikova. Zhur anal. khim 21 no 10 1257-1258 '66

Photometric determination of nickel with o-nitrophenylglyoxime in the presence of D. Kh. Vin'. Zhur anal. khim 21 no 11 111-112 '66

## NICKEL, EFFECT OF TEMPERATURE ON

Change of electric resistance of alpha-nickel by annealing. I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

## NICKEL ALLOYS

Effect of transition elements of 1st and 2nd groups on structure and physical properties of Ni-Mn compounds. I. A. Bolshakov. Dokl. AN SSSR 171 no 2 140-141 N '66

## NICKEL ALLOYS—QUENCHING

Effect of rate of cooling from homogeneous solution on structure and properties of Kuf'f' alloy. I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

## NICKEL ALLOYS, EFFECT OF TEMPERATURE ON

Effect of rate of cooling from homogeneous solution on structure and properties of Kuf'f' alloy. I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

## NICKEL-CARBON ALLOYS

Separation of sulfur impurities from nickel by crystallization method. I. P. Bolshakov. Dokl. AN SSSR 171 no 6 105-110 D '66

## NICKEL CATALYSTS

Effect of certain cations on the activity of nickel catalyst in hydrogenation of dimethylacetylene. A. A. Zakharenko, S. A. Mironov, D. V. Zakharenko. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of ethyl ester of thioacetic acid with nickel catalyst. N. S. Stannikov, D. V. Zakharenko. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

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Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

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Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

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Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

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Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

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Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

Hydrogenation of isoprene and the hydrocarbons in isoprenes on a nickel catalyst. I. A. Bolshakov, I. A. Bolshakov and others. Dokl. AN SSSR 171 no 6 105-110 D '66

NIEMEYER SOARES, OSCAR, 1907-

Oscar Niemeyer O Iantskin, V. Khait. Arkhit. SSSR 10, 7-13 '63

## NIGERIA—EDUCATION

Problems of education in the Federal Republic of Nigeria. D. Sh. Sklovskiy. Sov. pedag. 30 no. 8 132-140 Ag '66

## NIGHTSHADE BREEDING

Effect of preliminary grafting on the growth of pollen tubes in crossing tomato with the black nightshade. I. A. Samsonova. Trudy Inst. gen. no. 26 97-97 '62

## NIKOLAYEV—SHIPYARDS

Through the display of a shipyard museum. Stalotrochnie 56 no. 11 74-78 '66.

## NIKOLAYEV PROVINCE—TAENIA

Taeniarhynchus infection in Nikolayev Province. I. M. Geller. Med. paraz. i paraz. bol. 41 no. 5 607-608 S-O '62

## NIKOPOL' REGION (UKRAINE)—MANGANESE MINES AND MINING

Problem of increasing the depth of concentration of Nikopol' Basin manganese ore. V. A. Binkovich. Gor. zhur. no. 11 67-71 N '66

## NIKOPOL' REGION (UKRAINE)—STRIP MINING

Drainage of the foundation of internal dump piles at Orushevka Open-Pit Mine. L. S. Gribchenko. Gor. zhur. no. 11 21-24 N '66

## NIL SORSKI, 1433-1508

The literary genre of several works of Nil Sorski. F. Lilienfeld. Trudy ODRL 16, 80-98 '62

## NIMONIC, EFFECT OF RADIATION ON

Effect of nuclear radiation on the age-hardening of a nimonic-type alloy. V. M. Chernyi, U. O. Iushtenko. Dop. AN URSR no. 11 1453-1455 '62.

## NIOBIUM see subdivision under Niobium

## NIOBIUM—ANALYSIS

Extraction-photometric determination of niobium in alloyed steels using sulfochlorophenol. S. S. B. Savvin, P. N. Romanov, I. U. G. Eremin. Zhur. anal. khim. 21 no. 12 1423-1426 '66.

Photometric determination of niobium in nickel-base alloyed steels and alloys. V. F. Mal'tsev, E. N. Pashchenko, N. P. Volkova. Zhur. anal. khim. 21 no. 10 1205-1209 '66

Quantitative separation of niobium from fluoride solutions. A. I. Ponomarev, I. U. I. Rykovskaya. Zhur. anal. khim. 21 no. 12 1427-1429 '66

Rapid method of determining niobium in rocks and minerals by means of paper partition chromatography. V. I. Bogdanova, L. S. Shutik. Zhur. anal. khim. 21 no. 10 1201-1204 '66

## NIOBIUM COMPOUNDS

Critical temperature of transition to superconducting state of beta-phase in the system niobium - tin - aluminum - germanium. N. E. Aleksievskii, N. V. Ageev, V. F. Shamral. Izv. AN SSSR. Neorg. mat. 2 no. 12 2156-2161 D '66.

New photometric methods for the determination of niobium and tantalum in metals and alloys. Report No. 5. Study of niobium complex with methylthymol blue. S. V. Elinson, N. A. Mirzajan. Zhur. anal. khim. 21 no. 12 1435-1442 '66.

## NIOBIUM HYDROXIDES

Interaction of niobium hydroxide with amine water solutions. N. V. Petrova, G. N. Mun'zh, N. P. Makinova. Mkn. syr'ye no. 13 35-41 '66.

## NIOBIUM-ZIRCONIUM-TITANIUM ALLOYS

X-ray structural study of superconducting alloys based on niobium. V. S. Kogan, B. G. Lazarev, L. F. Iakimenko. Zhur. eksp. i teor. fiz. 51 no. 5 1328-1331 N '66.

## NIOGIN see Nicotinic acid

## NITRATION

Improvement of continuous nitration flowsheet in the production of ambicite. V. I. Alekseyev and others. Trudy VNIISNDV no. 7 103-108 '65.

Preparation of benzene for 1st order nitration purposes from high-sulfur raw materials. V. Z. Sokolov and others. Koks i khim. no. 10 35-37 '66.

## NITRIC ACID—PHYSIOLOGICAL EFFECT

Variability of influenza virus following treatment with nitric acid. N. P. Obrosova-Serova, M. I. Sokolov. Vop. virus. 11 no. 6 658-662 N-D '66

## NITRILES

Effect of the structure of unsaturated nitriles with conjugate bonds on their hydrogenation rate in mixed solvents. L. D. Volkova, D. V. Sokol'skii. Trudy Inst. khim. nauk AN Kazakh SSR 14 231-239 '66  
Mekhllov, S. D. [Nitriles] Nitryly. Baku, Azerbaidzhan-koe gos. izd-vo, 1966. 466 p.

Synthesis and some properties of tantalum nitrile chloride, Ta<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub> and tantalum oxytrichloride, TaON. I. U. A. Buslav and others. Izv. AN SSSR. Neorg. mat. 2 no. 12 2120-2124 O '66

## NITRO COMPOUNDS

Chemistry of β-halo-β-nitroalkenes. Synthesis of substituted nitroalkenes, nitrocyclopropanes, nitro-dihydrofurans, and pyridines. Ch. I. Urchenko and others. Dokl. AN SSSR 171 no. 5 1123-1125 D '66

Determination of 2, 4- and 2, 6-dinitrophenols in a mixture. A. I. A. Kaminskii, Z. A. Kozina, S. S. Glits. Zhur. anal. khim. 21 no. 11 1380-1381 '66.

Kinetics of acid hydrolysis of some polynitrates of polyhydric alcohols. B. S. Syrtov, V. P. Shaluputina. Zhur. fiz. khim. 40 no. 11 2889-2891 N '66

## NITROBENZENE

Mechanism of catalytic reduction on nitrobenzene on Raney nickel, platinum, and palladium blacks. V. P. Shimonin. Trudy Inst. khim. nauk AN Kazakh SSR 11 78-105 '66

## NITROGEN

Concerning the use of the waste nitrogen of the oxygen producing systems of metallurgical plants. A. P. Korshunov. Prom. energ. 15 no. 119-21 Ja '61.  
Dynamics of nitrate nitrogen in the cellular sap of cotton and the yield of cotton. D. N. Chakrabarti. Trudy Un. chuzh. nar. 14, Ser. khim. nauk no. 1 135-138 '66

Oxidation of amino nitrogen in microelement analysis of organic compounds containing nitrogen. E. I. Margolis, M. N. Dohnanayova. Vest. Mosk. un. Ser. 2: Khim. 17 no. 5 79-82 S-O '62.

Transformation of proteins and nonprotein nitrogen-containing substances in the ripening of broad beans (Vicia faba L.). V. G. Klimenko, A. D. Berezhnikov. Biokhimiya 28 no. 2 235-245 M-Ap '63

## NITROGEN—FIXATION

Effect of filtrates of culture fluid of Azotobacter agilis and Azotobacter vinelandii on fixation of atmospheric nitrogen. N. A. Sandak. Mikrobiologiya 31 no. 3 800-803 S-O '62.

Atmospheric nitrogen fixation by purple sulfur bacteria during growth on mineral and organic media. Ion. Kisel'-S-O [Yang Hui-fang] Mikrobiologiya 31 no. 5 774-777 S-O '62

Hydrogenase and succinate dehydrogenase in Azotobacter vinelandii and their relation to nitrogen fixation. V. A. Iakovlev, L. A. Levchenko. Dokl. AN SSSR 171 no. 5 1221-1226 D '66.

## NITROGEN FERTILIZERS

Effect of nitrogen supplements and band placement of superphosphates in Chernozems of Kuybyshev Province. A. I. Pakhomov. Khim. v sel. khoz. 1 no. 12 15-17 D '66

Effect of the forms of nitrogen fertilizers on the yield of tomatoes in bog and Steptozem-brown soils. A. A. Guseinov. Agrokhiimiya no. 12 15-17 D '66.

Effect of various forms of nitrogen fertilizers on the yield and physical and mechanical properties of the fibers of fiber cotton. B. V. Lomt. Pochv. ust. i efek. ust. no. 1 96-102 '63.

Effectiveness of nitrate and ammoniacal forms of nitrogen fertilizers in deep Chernozem soils. N. I. Kalitich. Khim. v sel. khoz. 1 no. 12 2-5 D '66.

Use of various forms of nitrogen fertilizers for potatoes and corn in Polesye of the Ukraine. Sh. I. Litvak. Khim. v sel. khoz. 4 no. 12 11-12 D '66

## NITROGEN FIXING MICRO-ORGANISMS see Micro-organisms, Nitrogen fixing

## NITROGEN INDUSTRIES

[Technology of combined nitrogen] Tekhnologiya svintz-anogo azota. [By] F. A. Andreev i dr. Moskva, Khimfin, 1966. 498 p.

## NITROGEN ISOTOPES

Synthesis of DL-asparagine suitable for the production of N<sup>15</sup>- and C<sup>14</sup>-labeled asparagine. M. I. Ierman, S. R. Martashev. Biokhimiya 27 no. 5 904-906 S-O '62

## NITROGEN METABOLISM

Metabolism of nitrogen compounds in the rumen of ruminants. A. I. Solntsev, N. A. Mukhina, A. K. Bobylev. Izv. AN SSSR, Ser. biol. no. 3 419-429 My-Je '63.

## NITROGEN OXIDES

Action of nitrogen oxides on bromo olefins. Part 2: Action of nitrogen trioxide on isobutylene bromide. S. V. Vasil'ev, O. T. Burdelev. Zhur. org. khim. 2 no. 11; 1601-1605 N '66.

Action of nitrogen oxides on bromo olefins. Part 3: Action of nitrogen tetroxide on α- and β-bromostyrene. S. V. Vasil'ev, O. T. Burdelev. Zhur. org. khim. 2 no. 11 1055-1059 N '66.

Determination of small concentrations of C<sub>1</sub> - C<sub>4</sub> hydrocarbons in nitrogen oxides. V. S. Mirzafanov, V. G. Borozkin, V. A. Nikol'skii. Zhur. anal. khim. 21 no. 10 1239-1242 '66.

Removal of nitric oxide from coke oven gas by means of dry mass. R. F. Kovpakova, I. A. Mulik. Khim. prom. [Ukr.] no. 3 19-21 Ji-S '62.

Spectroscopic studies of glow discharge through air. M. M. Bogardashvili, F. N. Plesmin. Zhur. fiz. khim. 10 no. 11 2771-2773 N '66

Stationary concentrations of nitrous oxide in discharge. Part 7. I. M. Kiyelidze, I. N. Mal'tsev, F. N. Plesmin. Zhur. fiz. khim. 10 no. 11 2784-2788 N '66

Yield energy relations of radiochemical reactions of ozone formation and nitrogen oxidation. M. I. Dmitriev. Zhur. fiz. khim. 40 no. 11 2729-2731 N '66

## NITROSATION

Photochemical nitrosation of methyl cyclohexane. I. A. Lavashova, I. A. Strel'sova. Neftokhimiya 3 no. 5 771-774 S-O '63

## NITROSO COMPOUNDS

Nitrosocyclohexanone compounds of piallurus. L. A. Nazarov and others. Zhur. neorg. khim. 11 no. 11 2503-2513 N '66

Nitrosocyclohexanone compounds of a uridium. V. N. Pikhov. O. T. Zvinginev, N. M. Sinitayn. Zhur. neorg. khim. 11 no. 11 2660-2668 N '66

## NITROUS ACID—PHYSIOLOGICAL EFFECT

Metagenesis induced by the action of chemicals on isolated deoxyribonucleic acid and the transformation of bacteria. S. C. Brasler, D. A. Perunov. Biokhimiya 27 no. 5 927-931 S-O '62

## NIVKH LANGUAGE

Linguological characteristics of the Nivkh language. V. Z. Panfilov. Vop. lingv. 15 no. 5 18-61 S-O '66.

## NIZHNIY TAGIL—CONSTRUCTION INDUSTRY—COSTS

Work and plans of an order-heating trust. S. Kogan. Ekonom. etiol. 8 no. 12 13-15 D '66.

## NOISE

Evaluation of the functional significance of the electrical response of the auditory system responses to exponentially increasing broad-band noises and tones. G. V. Gershtun, N. V. Zabeova. Fiziol. zhur. 48 no. 10 1170-1185 O '62

## NOISE CONTROL

Noise silencer. I. V. Hobin, V. M. Ivanov. Put' i put. 1107, 10 no. 8, 29 '66.

## NOMOGRAPHY (MATHEMATICS)

Nomogram for calculating getting systems. N. I. Mischenko. Lit. protz. no. 1142 N '63

Nomogram for determining the absolute magnetite and hematite content of hematite-magnetite ores and rocks on the basis of the data of chemical analyses. N. A. Plakhenko. Trudy VGU 63 117-119 '65.

Nomogram for the determination of the Prandtl criterion of liquids on the saturation line. A. K. Chernyshev. Khim. i tekhn. topi i masel. 11 no. 11 51-60 N '66

Nomographic method of determining equilibrium constant in order to calculate conditions of gas separation in gas condensate fields. I. F. Ramezanov. Azerb. neft. khoz. 45 no. 9 30-32 S '66

## NONFERROUS METAL INDUSTRY

Inspiring outlooks. Prom. Arm. 9 no. 10 73-71 '66.

## NONFERROUS METALS

Flow sheets for dressing complex metal ores with a high content of pyrites. N. I. Kadikova, T. M. Mlagkova. Obog. i rud. 11 no. 3 1-9 '66.

A method of complex economic evaluation of block bottom preparation systems. R. M. Garshberg. Gor. zhur. no. 11 34-37 N '66.

## NONFERROUS METALS—ANALYSIS

Method of quantitative X-ray analysis of chalcocite in copper-nickel ores. I. A. Bud'ko. Obog. i rud. 11 no. 3 30-41 '66.

## NONFERROUS METALS—FOUNDING

Equipment and technology of producing thin-walled non-ferrous metal castings. N. N. Belousov, A. A. Dodonov. Lit. protz. no. 12 10-14 D '66

## NONFERROUS METALS—METALLURGY

Flow sheet for the treatment of arsenic-containing nickel-cobalt ores. L. I. G. Osman, A. A. Abramov, P. M. Perlov. Obog. i rud. 11 no. 3 12-15 '66.

## NONLINEAR DIFFERENTIAL EQUATIONS see Differential equations, Nonlinear

## NONWOVEN FABRICS

Classification of flaws in nonwoven stitched fabrics. A. M. Bol'sova, M. I. Sukharev. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 5 6-11 '66.

Probability method of the choice of optimal technology for the production of nonwoven fiber films. G. K. Molokanova. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 5 31-36 '66

## NONWOVEN FABRICS—RESEARCH see subdivision under Lithuanian





## NUCLEAR MAGNETIC RESONANCE

- Electric transitions of spherical nuclei, G.G. Bunatian, *IAd fiz.* 4 no. 5 920-927 N '66
- Hydrogen state in aquopoly compounds of polyhydric and long-chain, V.V. Mank and others, *Dokl. AN SSSR* 171 no. 5 1111-1115 D '66
- Irreversibility of the passage of nuclear magnetic resonance signals through a weak field in some molecular crystals, T.I. Fedin, N.V. Gorskaya, *Fiz. i teo. Zhur eksp. i teo. fiz.* 5 no. 1 16-17 D '67
- Microscopic theory of nuclear magnetic relaxation in liquid, R.V. Ruzmet'ev, *Zhur eksp. i teo. fiz.* 51 no. 4 1090-1092 O '66
- Spin-lattice relaxation in weakly nonhomogeneous distributions of conduction electrons in strong magnetic fields, V.P. Kalashnikov, *Zhur eksp. i teo. fiz.* 51 no. 5 1417-1422 N '66
- Study of types of polyvinyl chloride plasticized by means of nuclear magnetic resonance, L.I.A. Chuborjova and others, *Vysokom oled* 8 no. 10, 1810-1813 O '66
- Synchronization of autodyne with automatic amplitude control, H. Krivtchev, V. Lesnitskiy, *Izv. vuz. uch. zov., radiofiz.* 9 no. 6 1234-1237 '66
- Using nuclear quadrupole resonance for studying minerals, I.N. Pen'kov, I.A. Sofin, *Izv. AN SSSR Ser. geol.* 31 no. 12 11-52 D '66

## NUCLEAR MODELS

- Contemporary concepts of nuclear physics in schools, G.K. Pogonets, *Vech. shkol. shkola* 9 no. 6 30-33 N-D '66
- Magnetic moments of even nuclei in phenomenological models of collective quadrupole excitations, D.I. Gurevich, *IAd fiz.* 4 no. 5 954-957 N '66
- Scattering of fast electrons on  $^{16}\text{O}$  nucleus and nucleon cluster model, I.U. A. Kudachov, I.U. F. Smirnov, M.A. Chibrikov, *IAd fiz.* 4 no. 5 1048-1051 N '66

## NUCLEAR OPTICAL MODELS

- Use of optical model in analyzing elastic scattering of  $\alpha$ -particles at energy of 27, 2 Mev, on  $^{12}\text{C}$  and  $^{12}\text{O}$  nuclei, O.T. Nemets, A.T. Rudchik, *IAd fiz.* 1 no. 5 970-974 N '66

## NUCLEAR PHYSICS see subdivision under Ukraine

## NUCLEAR PHYSICS—CONGRESSES

- School for theoreticians in Crimea, S. Gerasimov and others, *Atom. energ.* 21 no. 6 525-526 D '66
- Sixth All-Union Conference on Theory of Elementary Particles, I.U. Lomsadze, *Usp. fiz. nauk* 90 no. 3 519-557 N '66

## NUCLEAR PHYSICS—STUDY AND TEACHING

- Contemporary concepts of nuclear physics in schools, G.K. Pogonets, *Vech. shkol. shkola* 9 no. 6 30-33 N-D '66

## NUCLEAR REACTIONS

- Complete experiment of isobar production in meson-nucleon collisions, M.S. Dubovikov, *IAd fiz.* 4 no. 5 1059-1062 N '66
- Determining dosage of  $\text{B}^{10}(\alpha, n)\text{Li}^7$  products and temperature in reaction zone by effect of thermal neutrons on borax glass, S.A. Gubantova, A.M. Kabachik, *Atom. energ.* 21 no. 6 510-520 D '66
- Deuterons and weak interactions, L.I. Smirnov, *IAd fiz.* 4 no. 5 1010-1020 N '66
- Experimental data on K-meson and nucleon charge exchange at high energy, and complex moment theory, V.N. Mel'nikov, K.A. Ter-Matrosian, *IAd fiz.* 4 no. 5 1072-1078 N '66
- Kinetic equilibrium of  $\beta$ -processes in the interior of stars, V.S. Imshennik, D.K. Naderzhin, V.S. Pinaev, *Astron. zhur.* 43 no. 6 1215-1225 N-D '66
- Level characteristics of  $\text{Ar}^{36}$  and  $\text{Ar}^{38}$  nuclei excited in proton capture by chlorine isotopes, K.V. Kordzhov, V.I. Man'ko, P.E. Chukreev, *IAd fiz.* 4 no. 5 909-910 N '66
- Measuring flux of thermal neutrons and cadmium ratio on basis of gold activation, S.S. Bugorikov and others, *Atom. energ.* 21 no. 6 505-509 D '66
- Mechanisms as determined by polar and tetragonal diagrams in direct (t, p) and (He<sup>3</sup>, p) nuclear reactions on p-shell nuclei, Jena Pang and others, *IAd fiz.* 4 no. 5 982-986 N '66
- Neutron spectra in (d, n)-reactions on mean atomic weight nuclei, V.V. Okorokov and others, *IAd fiz.* 4 no. 5 975-984 N '66
- Nonorthogonality of wave functions in unified theory of resonance nuclear reactions, I.V. Gorcev, *IAd fiz.* 4 no. 5 958-961 N '66
- Observation of complex characteristics of amplitude of direct nuclear reactions, E.I. Dubovoi, I.S. Shapiro, *Zhur eksp. i teo. fiz.* 51 no. 4 1251-1259 O '66
- Simplest inelastic processes at high energies, V.A. Ter-Matrosian, *IAd fiz.* 4 no. 5 1067-1071 N '66
- Taking into account effects of virtual scattering in direct nuclear reactions, V.A. Kaminskii, I.U. V. Orlov, I.S. Shapiro, *Zhur eksp. i teo. fiz.* 51 no. 4 1236-1250 O '66

- Use of nuclear reaction (n,  $\gamma$ ) for determining cadmium content, I.N. Plavdin, N.G. Malysheva, I.P. Starchik, *Dokl. AN SSSR* 171 no. 2 374-391 N '66

- Using method of triple coincidence in studying proton polarization in (d, p)-reactions, M.D. Skatun, A.I. Shashynskiy, *Fiz. i teo. Zhur eksp. i teo. fiz.* 51 no. 1 1265-1267 N '66

## NUCLEAR REACTORS

- BN-350 and BOR fast reactors, A.I. Lipunov and others, *Atom. energ.* 21 no. 6 150-162 D '66
- Calculating temperature distribution in fuel elements of water-moderated water-cooled power reactor, G.V. Simutin, *Atom. energ.* 21 no. 6 498-499 D '66
- Fuel elements leak control method for water-moderated water-cooled (WWR-M) reactors, I.G. Barchuk, D.I. Filipets, *Atom. energ.* 21 no. 6 511-515 D '66
- Random thermoclastic stresses in wall caused by temperature fluctuations, M.Kh. Bagimov, V.I. Mezlov, V.I. Subbotin, *Atom. energ.* 21 no. 6 513-511 D '66
- Studying water-moderated water-cooled reactor on basis of radiation current, A.P. Veselkin, A.V. Nikitin, I.U. V. Orlov, *Atom. energ.* 21 no. 6 509-511 D '66

## NUCLEAR REACTORS—MATERIALS

- Effect of construction materials of core surface on activity of corrosion products, A.P. Viskulin, O.I. Shakh, *Atom. energ.* 21 no. 6 162-165 D '66

## NUCLEAR SPIN

- Effect of spin on quantum oscillations of galvanomagnetic coefficients in n-InSb, Kh.I. Amirkhanov, R.I. Bozhinov, *Fiz. tver. tela* 8 no. 7 2189-2196 D '66
- Effect of magnet polarization on neutron magnetic scattering, V.G. Baryshevskii, L.N. Kuzmina, *Dokl. AN SSSR* 171 no. 12 126-128 D '66

- Isospin conservation and polarization effects, S.I. Bilent'ki and others, *IAd fiz.* 1 no. 5 1063-1066 N '66

- Isospin spin in theory of CP-odd weak interaction, I.P. Shabalin, *IAd fiz.* 4 no. 5 1037-1044 N '66

- Magnetic impurity levels in antiferromagnets, N.G. Guseinov, I.I. M. Skolov, *Zhur eksp. i teo. fiz.* 51 no. 4 1094-1099 O '66

- Spin-lattice relaxation and resonance absorption of ultrasound in crystals containing paramagnetic ions with singlet electron level, R.M. Minceva, *Fiz. tver. tela* 8 no. 7 2222-2227 JI '66

- Theory of resistance anisotropy in ferromagnetic metals, Vudinh-Cu, *Zhur eksp. i teo. fiz.* 51 no. 5 1476-1482 N '66

- Theory of spin-lattice relaxation of conduction electrons in strong electric field, V.P. Kalashnikov, *Fiz. tver. tela* 8 no. 7 2130-2134 N '66

- Universal electrodynamics of particle with spin 1/2, I.I. Goldzman, *Izv. AN Arm. SSR, Fiz.* 1 no. 1 207-216 '66

- Using method of irreducible tensor operators in calculating spin-Hamiltonian constants, V.V. Duzhzhin, A.A. Kozakov, *Fiz. tver. tela* 8 no. 7 2228-2230 JI '66

## NUCLEI, ATOMIC

- Characteristics of collective states of deformed nuclei in 170- $\text{MeV}$  region, M.K. Kalpazhik, P. Iogin, *Izv. AN SSSR, Ser. fiz.* 30 no. 12 2025-2030 D '66
- Coherent pairing fluctuations and collective  $\delta^+$ -excitation of nuclei, S.I. Bellav, *IAd fiz.* 4 no. 5 935-952 N '66
- Lifetime of 226 Kev. level in  $^{71}\text{Se}$  nucleus, P. Bedronian, A.S. Kuchma, V.A. Morozov, *IAd fiz.* 4 no. 5 905-908 N '66
- Potential scattering of mean-energy nucleons by non-spherical nuclei, O.V. Rokhilenko, *Ukr. fiz. zhur.* 11 no. 11 1167-1171 N '66
- Velocities of residual nuclei in Ag and Bi fission by 400 Mev. protons, B.P. Afanas'ev, I.U. Gismatullin, V.I. Ostrovskiy, *IAd fiz.* 4 no. 5 1002-1009 N '66

## NUCLEI, ATOMIC—DECAY

- Decay of double hypernuclei with emission of  $\Sigma$ -hyperons, V.A. Filimov, *IAd fiz.* 4 no. 5 1010-1015 N '66

## NUCLEI, ATOMIC—PHOTOELECTRIC PROPERTIES

- Electric transitions of spherical nuclei, G.G. Bunatian, *IAd fiz.* 4 no. 5 920-927 N '66

## NUCLEIC ACID METABOLISM

- Age-related changes in the iron content in tissues and DNA preparations of white rats, B.I. Gol'shteyn, S.G. Rud', L.L. Polisekova, *Vop. med. khim.* 12 no. 6 1618-621 N-D '66
- Changes in the nucleic acid metabolism in the mucosa of the small intestine following acute experimental radiation sickness, I.N. Davydova, *Vop. radiobiol.* 4:170-183 '61
- Effect of 8-azaguanine on nucleic acid content in organs of irradiated rats, V.I. Svatkov, *Ukr. biokhim. zhur.* 38 no. 6 599-601 '66
- Effect of X-rays on the metabolism of free nucleotides and on enzymes of the nucleic acid metabolism in *Azotobacter agilis* 21-D, G.N. Zaitseva, A.N. Boloverskii, *Mikrobiologiya* 31 no. 2:209-235 M-Apr '62

- Enzymatic regulation of DNA biosynthesis in organisms, I.M. Belova, V.K. Muzur, *Usp. sov. biol.* 62 no. 4 313-371 N-D '66

- Integration of liver DNA as related to animal age, V.V. Krasnova, B.I. Gol'shteyn, S.H. Rod', *Ukr. biokhim. zhur.* 38 no. 6 780-781 '66

- Study of ribonucleic acid and protein metabolism in nuclei of mollusk oocytes, I.G. Romanov, I.G. Gerasim, *Tsitologiya* 8 no. 5:646-652 S-O '66

## NUCLEIC ACIDS

- Antigenic properties of deoxyribonucleic acid of zebrafish, B.P. Matveichuk, *Zhur. mikrobiol. i epid. i immun.* 13 no. 11:21-24 N '66

- Characteristics of a region of DNA molecule interacting with antibodies, A.M. Poyarkov, T.I. Alekperova, V.S. Saenko, *Biokhimiya* 31 no. 6 1170-1178 N-D '66

- Conditions of the formation of an artificial complex of ribonucleic acid with deoxyribonucleic acid, R.N. Kopylov, A. Stoyanova, *Biokhimiya* 28 no. 2:353-360 M-Apr '63

- Content of nucleic acids in the blood of children with blood diseases, M.G. Gidova, N.I. Shokina, *Vest. AN SSSR* 17 no. 10:52-53 '62
- Cytosine triphosphate and autoradiographic study of DNA nuclei in most cells of lower eucaryotic tissue, N.G. Khushchov, N.I. Komarov, *Dokl. AN SSSR* 171 no. 2 468-170 N '66

- Effect of denaturation and subsequent recombination on nucleic acid content in functionally different muscles, T.IU. Shchegolev, *Ukr. biokhim. zhur.* 38 no. 6 602-603 '66

- Effect of polysaccharide complexes on nucleic acid content in tissues of mice with experimental tumor (C3H/101), I.G. Shchegolev, I.U. Galayev, P.P. Ponomareva, *Ukr. biokhim. zhur.* 38 no. 6 630-632 '66

- Effect of ribonucleic acid and its mononucleotides on influenza infection under experimental conditions, T.I. Svirskaya, O.P. Peterson, *Vop. virus* 8 no. 1 489-192 JI-Apr '63

- Effect of some inhibitors on deproteinization factor formation in nucleolus of smallpox vaccine virus, V.M. Zhdanov and others, *Dokl. AN SSSR* 171 no. 2 171-172 N '66

- Information and ribosomal ribonucleic acids in the chromosomal-nucleolar apparatus, methods of their separation and their nucleotide composition, G.P. Georgiev, V.L. Mant'eva, *Biokhimiya* 27 no. 5:919-957 S-O '62

- Inhibition of RNA synthesis in vitro by basic polypeptides, V.G. Dzhahov, O.B. Astasova, V.D. Davydov, *Biokhimiya* 31 no. 6:1253-1256 N-D '66

- Inhibitory effect of normal cellular RNA on the multiplication of viruses, T.I. Tikhonenko and others, *Vop. virus* 8 no. 4:160-169 JI-Apr '63

- Initial ionizing radiation damage of nucleic acid structures, N.B. Stazhkovskaya, V.A. Stazhkov, G.S. Kalender, *Radiobiologiya* 6 no. 6:783-789 '66

- Mechanisms of radiation-induced degradation of DNA macromolecules in solutions, B.P. Jovnik, N.I. Rikhsienko, *Radiobiologiya* 6 no. 6:913-915 '66

- Mineralization of nucleic acid by sporiforming microorganisms, M.T. Kvatishvili, V.L. Bellava, *Mikrobiologiya* 31 no. 2:216-220 M-Apr '62

- Mutagenesis induced by the action of chemicals on isolated deoxyribonucleic acid and the transformation of bacteria, S.E. Bester, D.A. Porunov, *Biokhimiya* 27 no. 5:927-937 S-O '62

- Mutagenic and inactivating effect of hydroxylamine in dealing with infectious RNA and native poliomyelitis virus, I.U. Gendov, *Vop. virus* 11 no. 6:724-729 N-D '66

- Oxidation of succinate in the structural elements of *Micrococcus lysodeikticus* in relation to deoxyribonucleic acid and magnesium ions, M.A. Lukolunov, N.S. Gelfman, A.I. Opai, *Biokhimiya* 28 no. 2:334-339 M-Apr '63

- Participation of RNA in the formation of enzyme-substrate complex as affected by amylose isomerase, A.N. Petkova, R.D. Filipov, A.A. Kozova, *Biokhimiya* 31 no. 6:1079-1083 N-D '66

- Plaques forming in swine embryo kidney cell culture infected with live-tissue encephalitis virus RNA, R.G. Desiatkova, O.G. Antipalidze, *Vop. virus* 8 no. 4:398-399 JI-Apr '63

- Possibilities of nucleic acid and protein synthesis at low temperatures, V.G. Grif, *Tsitologiya* 8 no. 5:659-662 S-O '66

- Comparative procedure for obtaining enriched preparations of ribonuclease-resistant RNA-synthetases from baker's yeast, M.N. Ovenden, L.S. Sandakhchiev, *Biokhimiya* 31 no. 6 1121-1126 N-D '66

- Radio-protective effect of bacterial nucleic acids and their derivatives following gamma irradiation of laboratory animals, M.A. Turmanian and others, *Radiobiologiya* 6 no. 5:712-717 '66

- Relationship between properties of tRNA, acetylated according to 2'-hydroxy groups of ribose, and modification degree, D.G. Knaiz and others, *Biokhimiya* 31 no. 6:1181-1188 N-D '66

- Ribonucleic acid, ribonuclease and (213)-ribonucleoside in endocrine and sexual glands of cattle, I.A. L. Hermanuk, *Dop. AN URSR* no. 7:917-920 '63

## NUCLEIC ACIDS (Continued)

Significance of pH buffer, acridine orange solvent, for determining nucleic acid composition of viral inclusions by fluorescence microscope, method. H. M. Bikhmurtov. *Vop virus* 11 no 5 619-622 S-O '66

Some properties of information ribonucleic acids and their complexes with deoxyribonucleic acids. R. B. Kheshin, M. F. Shumilina. *Biokhimiya* 27 no 5 761-779 S-O '62

Study of genetic characteristics of epithelioid and myxomatous strains of stomatitis aphid virus, viral ribonucleic acid and progeny, of viral ribonucleic acid. U. Z. Gendron and others. *Trudy Mosk. nauch.-issl. inst. virus prep.* no 3 152-160 '65

Study of nucleic acids as stimulants of typhoma and paratyphoma. Quantitative characteristics of infection dynamics in vivo and nucleotide composition of normal and infected yolk membranes. A. V. Shatunov, R. B. Kheshin. *Vop virus* 11 no 5 589-593 S-O '66

Temperature-viscosity relationship of high polymeric ribonucleic acid in insects infected with a virus containing deoxyribonucleic acid. I. P. Kob. L. N. Skuratova. *Biokhimiya* 28 no 2 248-261 Mr-Apr '63

## NUCLEONS—SCATTERING

Potential scattering of mean-energy nucleons by non-spherical nuclei. O. V. R. Khichko. *Ukr. fiz. zhurn.* 11 no 11 1167-1171 N '66

## NUCLEOPROTEINS

Artificial complexes of high-polymeric ribonucleic acid and serum albumin. V. S. Tongue and others. *Biofizika* 8 no 5 513-9 '63

## NUCLEOTIDES

Chemical methods of synthesis of polynucleotides. S. M. Zhendiarova, M. I. Khabarova. *Usp. khim.* 35 no 7 1265-1276 J1 '66

Effect of ribonucleic acid and its mononucleotides on influenza infection under experimental conditions. E. I. Skhianskaya, O. P. Peterson. *Vop virus* 8 no 4 189-192 J1-Ag '63

Effect of X rays on the metabolism of free nucleotides and on enzymes of the nucleic acid metabolism in *Escherichia coli*. D. D. G. N. Zaitseva, A. N. Belozerskii. *Vil. bioblogiya* 31 no 2 209-215 Mr-Apr '62

Information and ribosomal ribonucleic acids in the chromosomal-nucleolar apparatus, methods of their separation and their nucleotide composition. G. P. Georgiev, V. L. Manteva. *Biokhimiya* 27 no 5 918-957 S-O '62

Problem of the biochemical code. M. D. Frank-Kamenetskii. *Biokhimiya* 28 no 2 361-365 Mr-Apr '63

## NUMBERS, THEORY OF

Illustration of using the theory of probability in the theory of numbers. A. N. Denilov. *Uch. zap. Ped. inst. Gerts.* 260 102-107 '65

A representation of zero differences and Stirling numbers of the first kind. V. I. Shembel'. *Trudy Vych. isentra AN Gruz. SSR* 3 185-193 '62

Two proofs of Cauchy inequality between arithmetic and geometric means of system of nonnegative numbers. V. K. Dzilydyk. *Ukr. mat. zhurn.* 18 no 5 115-116 '66

## NUMERALS, WRITING OF

Let us improve the preparation of materials for the expert identification of writing of numerals. V. I. Urutova. *Rad. pravo* 29 no 12 76-78 D '66

## NUMERICAL CALCULATIONS

Mikhel'son, V. S. [Elements of computer mathematics] *Elementy vychislitel'noi matematiki*, Izd. 2., perer. i dop. Moskva, Vysshaya shkola, 1966. 274 p.

## NUMERICAL WEATHER FORECASTING

Approximation of two-dimensional meteorological fields under poor illumination of certain part of territory. K. E. Chernin. *Trudy ANII* 277 51-57 '66

Methodology of solution of exact equations of short-range weather forecasting and problems of nonlinear adaptation of pressure and wind fields. D. I. A. Pressman. *Meteor. i gidrol.* no 12 19-26 D '66

Numerical forecast of  $H_{500}$  field for following synoptic period and possibility of its improvement. I. U. B. Khramov, L. M. Zinov'eva. *Trudy TSIP* no 154 41-46 '68

## NURATAU—NIOBUM

Distribution of niobium and tantalum in some gravitational massifs in northern Nuratau (western Uzbekistan). O. Kushmuradov. *Byul. MOIP, Otd. geol.* 41 no 4 152-153 J1-Ag '66

## NURATAU—TANTALUM

Distribution of niobium and tantalum in some gravitational massifs in northern Nuratau (western Uzbekistan). O. Kushmuradov. *Byul. MOIP, Otd. geol.* 41 no 4 152-153 J1-Ag '66

## NURSERIES—DESIGN AND CONSTRUCTION

Consolidated and unified buildings for kindergartens and nurseries. R. Smolenskaya. *Arkhit. SSSR* no 12 43-46 '66

Perspectives on designing of preschool children's institutions. K. Luchina. *Arkhit. SSSR* no 12 17-18 '66

## NURSES AND NURSING

Sazonov, A. G., ed. [Textbook for the training of nurses] *Uchebnoe posobie dlia podgotovki meditsinskikh sester*. Moskva, Meditsina, 1966. 471 p. (DNLM)

## MUSIC, BRANISLAV, 1864-1938—BIBLIOGRAPHY see Bibliography—Music, Branislav, 1864-1938

## NUTRITION

Petrovskii, K. S. [Fundamentals of rational nutrition] *Osnovy ratsional'nogo pitaniia*. Moskva, Znaniye, 1966. 47 p. (Narodnyi universitet. Fakul'tat zdorov'ia, no 23)

Role of the alimentary factor in the development of precocious diabetes and gastric cancer. A. S. Shumchuk. *Klin. onk.* no 1 24-27 '65

## NYLON

Determining the optimal parameters of capton knit-base cloth. M. A. Alekseeva. *Izv. vuz. khim. zav. i tekhn. leg. prom.* no 5 127-131 '66

Effect of thermal and mechanical processing on the acid resistance of capton yarn. M. P. Novos. L. N. Pakhomova. *Izv. vuz. khim. zav. i tekhn. leg. prom.* no 5 11-15 '66

Production of powders from nylon wastes. T. I. Kapkova, L. S. Ter. (Shtain). *D. I. Khokhlovskii. Plast. massy* no 9 31-31 '62

Studying the efficient method of thermal processing of pairs made from polycaprolactam. O. A. Gunder, L. M. Lavshina. *Plast. massy* no 8 21-28 '62

Use of synthetic materials in manufacturing drift nets. V. I. Tolmichev, A. I. Vinnikov. *Ryb. kho.* 12 no 11 52-54 '68

## NYSTATIN

Determination of butylhydroxytoluen in nystatin. V. B. Koshchig, G. B. Iokhin, V. I. Nizhnerchuk. *Antibiotika* 11 no 11 1017-1019 N '66

## OAK

(see also subdivision under Central Chernozem Presovye)

Effect of gibberellin on English oak seedlings. M. A. Guzeva. *Byul. Glav. bot. sadu* no 63 89-91 '66

Effect of soil moisture on the beginning and end of vegetation in seedlings of fruit plants and oak. I. I. Gorbunov. *Trudy Inst. gen.* no 26 107-111 '62

Effect of various grass types on growth and development of oak during its first years. G. M. Zozulin. *Trudy TSentr. nauch.-issl. gos. zap.* no 4 3-36 '67

## OAK—DISEASES AND PESTS

Injury of apical oak buds by gall midges *Anisodius quercus* (Hinnic) and *Dasynus a. diophila* (Rbs.). A. M. Shumakov. *Zool. zhurn.* 45 no 11 1729-1731 '66

## OATS

Facts of species formation in oats. G. N. Nedeshova. *Trudy Inst. gen.* no 26 16-21 '62

## OATS—DISEASE AND PEST RESISTANCE see subdivision under Maritime Territory

## OB' BAY—FISHES—FOOD

Feeding habits of *Coregonus nelsoni* (Pallas) and *Acetina cernia* (L.) from Ob' Bay. I. M. Bayanina. *Trudy Inst. biol. UFAN SSSR* no 49 54-64 '66

## OB' BAY—SMELTS

Materials on morphology and ecology of *Osmerus eperlanus* (L.) from Ob' Bay. A. Z. Amstislavskii. *Trudy Inst. biol. UFAN SSSR* no 49 3-16 '66

## OB' VALLEY—BRIDGES—DESIGN AND CONSTRUCTION

Suspended construction of spans 127.1 m. long. I. U. A. Chudnovskii and others. *Transp. stroit.* 11 no 12 19-22 D '61

## OB' VALLEY—HYDROCARBONS

Composition and some characteristics of distribution of hydrocarbonic gases in Mesozoic sediments of Ob'-Itysk Interfluvium, based on mud-logging and well-testing results. P. I. Cherenykh. *Geol. i geofiz.* no 9 143-146 '66

## OB' VALLEY—QUAILS

Biology of the quail in the upper Ob' Valley. A. P. Khehin. *Izv. Akad. Geog. ob.-va SSSR* no 3 70-71 '63

## OB' VALLEY—QUARTZ

New deposit of quartz raw materials for glass and ceramic industries in Western Siberia. V. V. Peskov. *Slek. i kor.* 23 no 11 28-31 N '66

## OBESITY see Corpulence

## OBURCHEV, VLADIMIR AFANAS'EVICH, 1863-1956

Academician Vladimir Afanas'evich Oburchev; on the centenary of his birth. K. I. Shtepav, I. I. Bok. *Izv. AN Kazakh SSR Ser. geol. nauk* no 6 3-8 '63

## OBSTETRICS

Pervyi Moskovskii meditsinskii institut. [Methodological elaborations of practical studies of obstetrics and gynecology on therapeutic and sanitary-hygienic faculties] *Metodicheskie razrabotki prakticheskikh zavaniia po akusherstvu i ginekologii na lekhnnoi i sanitarno-gigienicheskom fakul'tetakh*. Moskva, 1966. 160 p. (DNLM)

## OCCUPATIONAL DISEASES

Occupational diseases of the skin caused by wearing rubber gloves. K. A. Lopukhova. *Trudy khim. i med. 8* no 5 59-60 N-D '61

## OCCUPATIONS

Changes in the occupational composition of the industrial workers in the U. S. S. R. I. N. Vinogradov. *Uch. zap.* 1 60 no 2 41-42 '60

On the problem of changes in workers' occupational composition in the industry of the U. S. S. R. I. S. Lapidus. *Trudy tekhn.* no 10 95-100 '65

## OCEAN—MAPS

Accuracy in compiling maps of oceanographic elements. I. V. Nikolayev. *Trudy ANII* 277 118-119 '66

## OCEAN BOTTOM

Combined study of the sea bottom in shallow waters using acoustical methods. V. V. Shatunov, Z. I. Guseva, R. M. Pukhov. *Trudy Okean. kom.* 14 61-68 '61

Observations over the surface of the sea bottom for geological purposes. D. E. Gushakov. *Trudy Okean. kom.* 11 109-115 '62

Results of the direct study of the bottom relief of the coastal sea zone and some problems of submarine geomorphological research. P. A. Kaplin, A. S. Babin. *Trudy Okean. kom.* 11 19-62 '62

## OCEAN BOTTOM—OSCILLATIONS

La Costa and Romberg gravimeters for sea-bottom studies. E. I. Antonuk. *Neft. i gaz. prom.* no 3 76-77 J1-Ag '61

## OCEAN CURRENTS

(see also subdivision under Atlantic Ocean)

Circulation of waters over sharp break of sea bottom. I. U. G. Ryzhko. *Trudy Mor. gidrofiz. inst. AN URSR* 37 92-106 '66

Determining the drift velocity and direction with the sounding lead. N. E. Kudachov, G. V. Goshchuk. *Probl. Arkt.* no 1 21-31 '64

Dynamic effect of atmospheric pressure disturbance on sea currents. S. S. Tappo. *Dokl. AN SSSR* 18 no 5 1088-1091 D '66

Effect of initial conditions of transformation of noncharacteristic surfaces in vertical mixing of water masses. N. P. Bulgakov. *Okeanologiya* 6 no 5 760-760 '66

Erecting a radio beacon on a raft. A. S. Denisenko, L. V. Bulatov. *Probl. Arkt.* no 1 74-126 '60

Recent data on equatorial currents in western part of Pacific Ocean. V. G. Kori, V. A. Buzikov, K. A. Chibrikov. *Dokl. AN SSSR* 171 no 2 337-340 N '66

Stokes current as one of causes of storm floods. I. V. Ivanov. *Trudy Mor. gidrofiz. inst. AN URSR* 37 100-106 '66

## OCEAN TEMPERATURE

(see also subdivision under Atlantic Ocean)

Circulation of waters over sharp break of sea bottom. I. U. G. Ryzhko. *Trudy Mor. gidrofiz. inst. AN URSR* 37 92-106 '66

Development of theory of T-S curves for acmifite according to depth of ocean. O. I. Mamayev. *Trudy Mor. gidrofiz. inst. AN URSR* 37 111-113 '66

Direct recording of seawater temperature gradient. A. G. Voskresenskiy, A. A. Pivovarov, G. G. Khamul'chik. *Okeanologiya* 6 no 5 881-885 '66

Effect of water temperature and abundance of some living species on their growth dynamics. G. A. Bogdanov, S. S. Fridlov, I. V. Khor. *Izv. AN SSSR* 18 no 11 4-10 '66

## OCEAN WAVES

(see also subdivision under Atlantic Ocean)

Backscattering of centimeter radio waves by agitated sea surface at small glancing angles. A. I. Kalmykov and others. *Izv. vuz. khim. zav. i tekhn. leg. prom.* 9 no 6 1095-1099 '66

Constituents of energy balance during irregular sea waves. L. A. Korotkova. *Trudy Mor. gidrofiz. inst. AN URSR* 37 107-117 '66

Length of internal gravity wave of tidal period in sea. B. A. Kagan. *Okeanologiya* 6 no 5 747-751 '66

Maximally developed ocean waves. L. A. Korotkova, V. P. Lived. *Trudy Mor. gidrofiz. inst. AN URSR* 37 118-124 '66

Specific nature of wave motion of fluid and its consideration in sea wave theory. V. K. Shentseva. *Okeanologiya* 6 no 5 900-905 '66

Study of thermal structure of Gulf Stream frontal zone. E. I. Baidakov, M. A. Shmatko. *Okeanologiya* 6 no 5 770-775 '66

Tendency toward twenty-seven-day frequency in temperature field of troposphere. R. V. Smirnov. *Trudy Mor. gidrofiz. inst. AN URSR* 37 163-168 '66

Waves in typhoons; outline. A. P. Khvan. *Trudy Mor. gidrofiz. inst. AN URSR* 37 125-133 '66

## OCEANOGRAPHIC INSTRUMENTS

Effect of the inclination of the measuring tube on the records of the level, open tide gauge. I. D. Itron. Probl. Arkt. no. 7:127-131 '64

Photometer for studying spectral functions of attenuation of light in the sea. G. A. Karabashov. Okeanologiya 6 no. 5:886-891 '66

## OCEANOGRAPHIC INSTRUMENTS—DESIGN AND CONSTRUCTION

Principles of the construction of submarine surveying apparatus. V. V. Zolotarev. Trudy Okean. kom. 11:21-29 '62

## OCEANOGRAPHIC RESEARCH

(see also subdivision under Arctic regions)

Accuracy of the computation of some values met in oceanography. I. N. Dvorkin. Probl. Arkt. no. 7:15-12 '64

Activities of national oceanographic data centers. A. N. Spidlenko. Okeanologiya 6 no. 5:917-919 '66

Methods of submarine research and areas of their use. V. G. Ayzel. Trudy Okean. kom. 11:13-17 '62

Present status of and prospects for the development of submarine research. B. P. Mantel'tse. Trudy Okean. kom. 11:7-12 '62

Section of Summer Research of the Oceanographic Commission of the Academy of Sciences of the U.S.S.R. and its problems. O. B. Mokryshev. Trudy Okean. kom. 11:5-6 '62

What the scientists of the Polar Scientific Research Institute of Fisheries and Oceanography are doing. A. A. Mikhalev. Ryb. khoz. 12 no. 11:2-3 '66

## OCEANOGRAPHIC RESEARCH SHIPS

Biological research conducted by the submarine "Severnyy". M. I. Rybalko. Trudy Okean. kom. 11:17-19 '62

Requirements for a submarine research boat. O. A. Surolov. Trudy Okean. kom. 11:16-19 '62

## OCEANOGRAPHIC RESEARCH STATIONS

(see also subdivision under Black Sea, Greenland Sea)

## OCEANOGRAPHY

Experimental study of photic field in turbid media. V. A. Timofeeva. Trudy Mor. geofiz. inst. AN URSR 37:30-32 '66

Cyclic fluctuations of earth's reservoirs in recent geological past. Part I. G. P. Kalinin, K. K. Mar'kov, I. A. Suetova. Okeanologiya 6 no. 5:737-746 '66

Ocean in service of man. D. G. Cushing. Priroda 55 no. 12:28-33 '66

Some results of study of natural electric field in sea. V. I. Popovnikov. Trudy Mor. geofiz. inst. AN URSR 37:114-162 '66

Use of frequency analysis for studying internal structure of natural climatic series. N. E. Volpinger and others. Trudy ANU 277:147-157 '66

## OCEANOGRAPHY—CATALOGS

Catalog of oceanographic data received by the World Data Center B1. Kat. dan. po okean. July-Dec. 1965, Jan.-June 1966. Publ. '66.

## OTANOL

Otanol method of preparation and catalytic properties of methylcholanthrene from erythrocytes of water-blooded animals. A. P. Brestkin, D. I. Pevzner. Biokhimiya 31 no. 6:1174-1180 N-D '66

## ODESSA—AERONAUTICS—STUDY AND TEACHING

First steps along the starry road. V. Tsvetkov. Kiv. i od. 17 no. 9:18-19 '66

## ODESSA—CHAIRS

Organization of the production of the bent and glued elements of chairs at the Odessa Veneering and Furniture Association. M. S. Dobrotvinskaya, I. A. Blanter, M. H. Cherkas. Lis. hosp. i is. i. p. i. der. prom. na 6:10-11 N-D '66

## ODESSA—FURNITURE INDUSTRY

Meeting of the shock workers of communist labor and efficiency promoters. Bum. i. der. prom. no. 3:57-58 '62

## ODESSA—HEALTH RESORTS, WATERING PLACES, ETC.

Belen'ki, M. S., B. P. Tunko, and G. I. Shpil'berg. [Health resorts of the Odessa resort area] Zdravnyy Odeskogo kurortnogo rai. Izd. 2, 1. spr. i. dop. Kiev, Gos. med. izd-vo USSR, 1962, 109 p. [MICROFILM]

## ODESSA—REVOLUTION, 1917-1921

Against the truth. V. F. Vasilutin and others. Ist. SSSR 10 no. 6:215-215 N-D '66

## ODESSA—SHOE INDUSTRY

Experience in the organization of production management in the Yovovskiy Clothing Factory of communist labor. N. I. Fatsnel'son. Leh. prom. no. 2:81-87 Ap-Je '62

## ODESSA—TEACHERS, TRAINING OF

Determination of professional fitness of applicants to pedagogical institutes. R. I. Klimeluk. Sov. pedagog. 30 no. 6:103-108 Je '66

For teachers and parents. N. I. Dakhlov. Vest. vys. shkol. 21 no. 12:56-58 D '66

## ODESSA—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Working without accidents in our automotive transportation unit. P. Sukhanov, B. Vasil'ev. Avi. transp. 11 no. 12:17 D '66

## ODESSA—WAGES—AGRICULTURAL MACHINERY INDUSTRY

Material incentives for workers. I. A. Gulinskii, N. Kurdiukova. Plan. khoz. 43 no. 1:35-38 Ja '67

## ODESSA, BATTLE OF, 1941

Polakovsky, S. P. [The Odessa battle] Baiton - Odessa, Odessa, Makh, 1966, 249 p.

## ODESSA PROVINCE—LEPTOSPIROSE

Leptospirosis in Odessa Province. A. I. Burlov, V. P. Kozlov, A. Zhuravskiy, et al. Epidemiol. 43 no. 11:115-116 N '66

## ODESSA PROVINCE—RURAL CONDITIONS

Country ways and roads. A. Palmogil'nyi. V. mire knig 6 no. 10:20-21 D '66

## ODESSA PROVINCE—SOCIAL GROUP WORK

A propagandist is the educator and organizer of the audience. N. Bibin. Komm. Uki. 41 no. 1:51-56 Ja '67

## ODESSA PROVINCE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Zolov, M. I. [In defiance of death] Naporekhi smerti. Odessa, Malak, 1966, 132 p.

ODONATA see subdivision under Altai Mountains, Dnyek region, Kulunda Steppe, West Siberian Plain

## ODOROUS SUBSTANCES

Behavior of odorous substances in toilet soap. V. P. Ostrova and others. Trudy VNIISNDV no. 7:90-93 '65

Diene synthesis in preparation of odorous substances. Report No. 2. Synthesis on the basis of aliphatic terpene hydrocarbons. N. I. Skvortsova, G. V. Mel'shina-Koshak, A. V. Gurevich. Trudy VNIISNDV no. 7:32-35 '65

Odorous substances from alkylphenols. Part 12: Synthesis of odorous substances from cyclooctylphenols. A. S. Podberizina, I. A. Kheifits. Zhur. org. khim. 2 no. 11:2015-2048 N '66

Odorous substances from methyl oxide and aromatic hydrocarbons, preliminary report. G. F. Sverdlovskaya, A. I. Plotova. Trudy VNIISNDV no. 7:33-35 '65

Physical properties of some new synthetic odorous substances. Report No. 2. E. S. Koshushina, A. G. Livshits, V. P. Ostrova. Trudy VNIISNDV no. 7:80-86 '65

Synthesis of myrcene-based odorous substances. N. I. Skvortsova, I. P. Chikh. Trudy VNIISNDV no. 7:69-75 '65

Synthesis of new odorous substances from condensation products of camphene with xyleneols. G. I. Moldovanskaya, I. A. Kheifits, G. P. Plotova. Trudy VNIISNDV no. 7:51-54 '65

## ODOROUS SUBSTANCES—DRYING

Study of drying of some crystalline odorous substances in a fluidized bed. A. T. Ogarev, I. A. Krasovskaya, L. V. Kivlova. Trudy VNIISNDV no. 7:121-129 '65

## OFFENSES AGAINST PROPERTY

Kalmykov, Yu. Kh. [Compensation for damage done to property] Vozmeshchenie vreden, plichennogo imushchestvu. [Sarátov] Izd-vo Sarátovskogo univ., 1965, 70 p.

(CSI-II)

## OFFENSES AGAINST SOCIALIST PROPERTY

In the Office of the Public Prosecutor of the U.S.S.R. Sots. zakon. no. 11:85-86 N '66

Kriger, G. A. [Struggle against misappropriation of socialist property] Bor'ba s khishcheniemi sotsialisticheskogo imushchestva. Moskva, Izd. III-ra, 1965, 328 p.

(CaOTU) (MIL-L)

## OFFICE BUILDINGS—DESIGN AND CONSTRUCTION

Exhibition of newly designed offices. Mont. i spets. rab. v stroit. 25 no. 8:20-30 Ag '63

Problems of standardization in planning of administrative and office buildings in foreign countries. D. Kopelman. Arkh. SSSR no. 7:61-63 '66

## OFFICE EQUIPMENT AND SUPPLIES

International exhibition "Interorgtekhnik 66." Arkh. SSSR no. 12:60-61 '66

## OFFICE MANAGEMENT—COST CONTROL

Staff problems. I. Irinin. Fin. SSSR 40 no. 11:76 N '66

## OFFSET PRINTING

Climatic conditions and the copying process in the making of offset plates. T. D. Chulkova. Poligr. prom. no. 9:10-21 S '63

Offset plate on hydrophilic paper. E. I. Sluzhitel'. Poligr. prom. no. 9:27-28 S '63

## OHMMETER

Devices for measuring the grounding resistance of power line poles without disconnection of the overhead wire. S. M. Popov. Elek. sta. 37 no. 11:66-72 N '66

## OIL FIELD BRINES

(see also subdivision under Apsheron Peninsula, Atam Island Oil Field, Carpathian Mountain region, Kala Oil Field, Ramany Oil Field, Surakhany Oil Field, Zyrva Oil Field)

Dependence of the chemical composition of reservoir waters on the lithology of the surrounding rock. T. I. Samodov, A. R. Akhmedov, M. Z. Rachinskii. Azerb. neft. khoz. 12 no. 5:3-7 My '63

Problem of a cone of bottom water in an inhomogeneous stratum. V. A. Karpichev. PMTF no. 3:105-108 My-Je '62

Thklosky, B. A. [Initial reservoir pressures and geohydrodynamic systems] Nauchnye plastovye daveniya i geodinamicheskie sistemy. Moskva, Nedra, 1966, 267 p.

OIL FIELD BRINES—ANALYSES see subdivision under Kuia Lowland

## OIL FIELD FLOODING

(see also subdivision under Apsheron Peninsula, Balakhany-Safanchil-Rumayev Oil Field, Dolina Oil Field, Karachukhu Oil Field, Kyuvordag Oil Field, Mishovdag Oil Field, Pokhuvka Oil Field, Surakhany Oil Field)

Bottom water cones in oil and gas fields. R. B. Lapuk, I. A. Trebin, S. N. Zakharov. Neft. khoz. 41 no. 9:30-33 S '63

Comments on the article by M. L. Sarguchev "Methods for excluding reservoir waters." I. P. Kishakov and others. Neft. khoz. 41 no. 9:55-60 S '63

Dependence of the cost of mechanized petroleum production on the degree of water encroachment. V. A. Shulin, I. A. Zeigal. Khim. neft. khoz. prom. no. 5:22-25 '66

Deterioration of degree of clogging in bottom zone of injection well. V. G. Ishkhanov, G. K. Mamedov. Azerb. neft. khoz. 45 no. 9:22-24 S '66

Displacing oil pool edge by edge water flooding. V. G. Kafiliev. Geol. neft. i gaz. 10 no. 11:41-45 N '66

Dynamics of flooding of wells in heterogeneous inclined layer. A. Kh. Gasanov. Izv. AN Azerb. SSR, Ser. nauk o zem. no. 1:107-115 '66

Effect of flooding on the capillary water flooding of oil. A. Sh. Asadov. Azerb. neft. khoz. 12 no. 7:11-13 Ji '63

Encroachment of water in oil wells in combined flooding. R. M. Efendiev. Izv. AN Azerb. SSR, Ser. nauk o zem. no. 4:69-85 '66

Estimating conformance factor by withdrawal and injection along recovery and injectivity profiles. A. A. Glazov, R. V. Shochkova. Neft. prom. delo no. 11:14-16 '66

Experience in utilizing formation and drainage waters, and preparation of water for flooding. A. A. Shikhmarov. Neft. prom. delo no. 12:30-33 '66

Increasing oil recovery by injection of thickened water. Yu. V. Zhitlov and others. Neft. prom. delo no. 11:6-11 '66

Petroleum water flooding of oil from drowned reservoirs. Z. F. Rzabekov, V. T. Avanesov, K. V. Rovniov. Azerb. neft. khoz. 43 no. 7:38-40 N '63

Some results of oil flooding in layer with lens-shaped inclusions. A. I. Asadov, I. A. Safarov, N. D. Tahov. Izv. AN Azerb. SSR, Ser. nauk o zem. no. 1:84-88 '66

## OIL FIELD FLOODING—MODELS

Some problems relative to increasing oil recovery from nonuniform layers during flooding. O. F. Martynov, V. M. Ryzhik. Neft. prom. delo no. 12:3-6 '66

OIL FIELDS see subdivision under Siberia, Eastern

## OIL FIELDS—EQUIPMENT AND SUPPLIES

(see also subdivision under Fergana Valley)

Efficiency of mechanized build-up welding of parts of oil field equipment. I. A. M. Karsenbaum, N. A. Prokhorov. Mash. i. neft. khoz. no. 9:18-21 '66

OIL FIELDS—FIRES AND FIRE PREVENTION see subdivision under Surakhany Oil Field

OIL FIELDS—PRODUCTION METHODS see Petroleum production

OIL INDUSTRIES see subdivision under Ukraine

## OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

(see also subdivision under Zaporozh'ye)

Mechanization of fat removal from the fat catchers. N. I. Okrugov. Mash. i. zh. prom. 28 no. 6:37-38 Je '62

## OIL RESERVOIR ENGINEERING

(see also subdivision under Bibi-Eybat Oil Field; Dnieper-Donets Lowland; Dolina Oil Field)

Certain problems in miscible displacement. L. I. Slutskov. Neft. khoz. 41 no. 9:36-43 S '63

Determining the reservoir parameters when testing wells with high bottom pressure and temperature. K. G. Bagirov. Azerb. neft. khoz. 42 no. 3:20-22 Mi '63



**OKA VALLEY—STONE AGE**  
The "Yyselki" campsite, the Neolithic period in the eastern part of the Volga-Oka interfluvium. V. V. Fedorov, V. P. Tretyakov. Sov. Arkheol. 10 no. 1:105-115 '66

**OKHOTSK SEA REGION—GEOLOGY, STRUCTURAL**  
Recent vertical movements of northwestern shore of Sea of Okhotsk. E. K. Zabelina. Okeanologiya 6 no. 5:830-834 '66

**OKHRYMENKO, PETR FEDOROVYCH**  
"Translated by Petr Okhrymenko." Nikolai Romanika. Sov. Upr. 12 no. 1:101-110 Apr '62

**OL', ANDREI ANDREEVICH, 1883-**  
A. A. Ol', architect. A. Gegello. Arkhit. SSSR no. 7:53-54 '63.

**OLD AGE**  
**Rudskii, A. I.** [Praise to old age] Pokhvala starosti. Moskva, Sovetskaya Rossiya, 1966 206 p.

**OLD AGE HOMES—DESIGN AND CONSTRUCTION**  
Design of a boarding house for the aged. Arkhit. SSSR no. 7:57-58 '63.

**OLD AGE PENSIONS**  
Important problem of social insurance. A. Balygin. Sots. ekonom. zh. 11 no. 12:17-48 D '66

**OLEFINS**  
Chemistry of  $\beta$ -bromo- $\beta$ -nitroalkenes. Synthesis of substituted nitroalkenes, nitrocyclopropanes, nitrohydrofurans, and pyrrolines. O. I. Ushchenko and others. Dokl. AN SSSR 171 no. 5:1123-1125 D '66

Effect of solvents in the reactions of olefin halogenation. I. V. Bodikov, Z. S. Smolian, G. A. Korchagina. Zhur. VKhO 11 no. 6:708-709 '66

Equilibrium in reactions of the molecular disproportionation of alkanes and alkenes with the formation of alkyl radicals. V. A. Ulitskii. Neftekhimiya 3 no. 5:655-659 S-O '63

Interaction of alkene oxides with hydroxyl radicals. G. A. Razuvaev, V. S. Etlin, E. P. Beshenova. Zhur. org. khim. 2 no. 12:2041-2045 N '66.

Kinetics of reactions of saturated hydrocarbon polymers initiated by peroxides. R. Radu. Vysokomol. soed. 4 no. 11:1718-1751 N '62

Obtaining liquid olefins from a kerosene fraction of Dolina oil. B. S. Grinenko, M. M. Prokopets. Neft. i gaz. prom. no. 1:54-56 Jan-Mar '63

Orientation of free radical addition to 1-alkenes. G. I. Nikitin, M. G. Vologodskii, R. V. Kolesnikov. Zhur. org. khim. 2 no. 11:1918-1923 N '66.

**OLENEK VALLEY—ALLUVIUM**  
Alluvial formations in the cross section of Cretaceous coal-bearing sediments in the lower reaches of the Lena and Olenek. I. I. Vashchenko. Izv. vys. ucheb. zav. geol. i razv. 6 no. 6:45-54 Dec '63.

**OLFACTORY NERVE**  
Ultrastructural organization of olfactory cell hairs in bony fishes. A. A. Bronshteyn, G. A. Platkina. Tsitologiya 8 no. 5:642-645 S-O '66.

**OLKHOCHETA see subdivision under Kura River**

**OMENTUM**  
Lymphatic capillaries and vessels in the milk spots of the gastric omentum of man. A. V. Borisov. Arkh. anat. i gistol. embriol. 44 no. 3:115-120 Mar '63

**OMOLON VALLEY—ROCKS, IGNEOUS**  
Middle Paleozoic magmatic cycle of the Omolon Massif and the western part of the Chukchi folded system. G. K. Kleshchov. Trudy VGU 63:70-84 '65.

**OMSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**  
What the constructors of large-scale chemical industry need. V. Stepanov, I. U. Glebov. Na stroit. Ros. 4 no. 10:9-10 O '63.

**OMSK—PRECAST CONCRETE CONSTRUCTION**  
Efficiency of assembly-line construction. L. Zamiatin. Ekonom. 6 no. 12:33-34 D '66.

**OMSK—TELEVISION AND CHILDREN**  
For the children of Omsk. E. Zhabkina. Sov. radio i tel. 8 no. 3:10 '60.

**OMSK PROVINCE—BRUCELLOSIS**  
Natural foci of brucellosis in Omsk Province. F. S. Loginov. Sbor. nauch. rab. SibNIV no. 11:83-87 '62

Problem of the epidemiology of brucellosis in Omsk Province. F. S. Loginov. Sbor. nauch. rab. SibNIV no. 11:65-66 '62.

**OMSK PROVINCE—CALVES—DISEASES AND PESTS**  
Veterinary hygiene measures as the basis of the prophylaxis of bronchopneumonia in calves in the summer. P. T. Lebedev. Sbor. nauch. rab. SibNIV no. 11:220-228 '62.

**OMSK PROVINCE—EDUCATION, PRESCHOOL**  
"Educational lectures" in Omsk Province. L. Churilina, N. Babkina. Doshk. vosp. 39 no. 12:82 D '66.

**OMSK PROVINCE—FOOD INDUSTRY**  
Local resources and the supply of goods. V. Zolin. Sov. poishb. khoz. 10 no. 12:6-8 D '66

**OMSK PROVINCE—FUR TRADE**  
Local resources and the supply of goods. V. Zolin. Sov. poishb. khoz. 10 no. 12:6-8 D '66

**OMSK PROVINCE—PARASITES—CATTLE**  
Materials on the infestation of cattle by the larvae of warble flies in Omsk Province. G. I. Getta. Sbor. nauch. rab. SibNIV no. 11:185-185 '62

Enforced feeding of weak solutions of chlorophyll in controlling the warble fly infestation of cattle. Report No. 2. G. I. Getta. Sbor. nauch. rab. SibNIV no. 11:189-190 '62

**OMSK PROVINCE—SWINE—FEEDING AND FEEDS**  
Problem of the effect of meal from pine needles and ultraviolet radiation on the development of young pigs and their resistance to diseases. B. I. Kondurov. Sbor. nauch. rab. SibNIV no. 11:235-236 '62

**ONCOLOGY**  
Clinical oncology abroad. V. N. Demin. Khirurgiya 42 no. 11:110-141 N '66

Comparative study of examination schedules of oncological patients in 1952 and 1962. G. I. Ivakhino, I. N. Gushitsa. Klin. onk. 1:224-229 '65

Latvijas Padomju Sociālistiskās Republikas Zinātņu akadēmija. Mikrobioloģijas institūts. [Viruses in oncology] Virussy onkologijā. Rīga, Zinātne, 1966 353 p. (DNLM)

Oncological aspects of immunological endocrinology. V. M. Dzhimian, B. N. Sofronov. Vop. onk. 12 no. 11:108-117 '65

Organization of oncological service on Odessa-Kiev Railway. I. M. Tsukerman. Vop. onk. 12 no. 11:101-103 '66

Radioactive iodine and scintigraphy test for the determination of the functional state of the thyroid gland in oncological patients. T. N. Khitskaya. Klin. onk. 1:209-214 '65

Some characteristics of anesthesia in oncological clinic. L. F. Shrevelenko, N. M. Smirnov. Klin. onk. no. 1:3-15 '65.

Use of oxygen in oncological radiotherapy. I. P. Berezin, A. I. Bukhman, I. M. Epshtein. Vop. onk. 13 no. 12:70-83 '66.

Zakharukina, I. A. [What can be expected from the microscopic study of tumors] Chto dact mikroskopicheskoe izuchenie opukhotel. Alma-Ata, "Kazakhstan," 1966. 27 p. (DNLM)

**ONCOLOGY—CONGRESSES see subdivision under Moscow Province**

**ONIONS see subdivision under Siberia**

**OPEN-CUT MINING see Strip mining**

**OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION**  
Effect of certain parameters of open furnace parts on fuel and air mixing in hearths. I. V. Belov, I. U. D. Postnikov. Izv. vys. ucheb. zav. Chern. met. 9 no. 12:141-148 '66.

Improving the design and operation of open-hearth furnaces without front wall. I. P. Gerasimenko. Stal' 20 no. 12:1086-1091 D '66.

**OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR**  
Improving auxiliary conditions of work during the overhaul of open-hearth furnaces. M. E. Potomil. Stal' 20 no. 12:1148-1150 D '66.

**OPEN-HEARTH PROCESS**  
Bricks as slag forming material in steel smelting. A. M. Blychev, V. N. Lotnina, M. M. Stukalovskii. Izv. vys. ucheb. zav. Chern. met. 9 no. 12:556-560 '66.

**OPERA see subdivision under Chuvashia**

**OPERAS**  
The television opera "Katerina." G. Kristi. Sov. radio i tel. 8 no. 3:16 '60.

**OPERATIONS, SURGICAL**  
Uglov, F. G., V. P. Pugleva, and A. M. Yakovleva. [Complications in intrathoracic operations] Oslozneniya pri vnutrigrudnykh operatsiyakh. [Leningrad] Meditsina, 1966. 442 p. (DNLM)

**OPERATIONS RESEARCH**  
Lagrange method and problems of optimal resources allocation in network planning systems. E. P. Petrushinin. Avtom. i telem. no. 12:115-125 '66.

Problems in furnishing a basis for the optimal correlation of the cargo turnover and the traffic capacity of ports. M. M. Gorbatsiy. Trudy Soluz'MorNIIProekt no. 7:14-16 '65.

**OPERATIVE SURGERY see Surgery, Operative**

**OPERATORS (MATHEMATICS)**  
Hilbert function spaces and integral operators. Part 2. H. I. Gribanov. Izv. vys. ucheb. zav. mat. no. 5:54-63 '66

A class of approximate methods for solving operator equations with nondifferentiable operators. O. I. Zinchenko. Dop. AN URSR no. 7:852-856 '63

Generalization of Leibniz-Itô formula. V. R. Fridlander. Differ. urav. 2 no. 9:1275-1276 S '66

Generalization of theorem on n-intervals. M. G. Okhrimenko. Vych. mat. [Kiev] no. 2:193-194 '66

Mutual disposition of half-space in finite-dimensional unitary space. Kh. M. Khavidi. Ukr. mat. zhur. 18 no. 6:130-134 '66

Operator rings in space with indefinite metric. R. S. Izmagilov. Dokl. AN SSSR 171 no. 2:269-271 N '66.

"Quasi-localizable" Heisenberg operators and renormalizability problem in quantum field theory. A. D. Sukhanov. Zhur. eksp. i teo. fiz. 51 no. 4:1195-1206 O '66

Some approximate methods for solving nonlinear equations containing unlimited operators. A. E. Matymuk. Izv. vys. ucheb. zav. mat. no. 6:85-94 '66

Uniqueness theorem for self-adjoint extension of Schrödinger operator with operator potential. I. B. Orochko. Dop. AN URSR no. 11:1391-1394 '66

**OPHTHALMOSCOPE**  
Universal attachment to an audiometer and ophthalmoscope for the determination of visual and acoustic thresholds. V. V. Sarmakov and others. Zhur. vys. nauch. deiat. 13 no. 4:758-759 Jan-Mar '63

**OPPEL', VLADIMIR VLADIMIROVICH, 1900-1962**  
In memory of Professor Oppel'. Biokhimiya 27 no. 5:907 S-O '62.

**OPTIC THALAMUS—WOUNDS AND INJURIES**  
Changes of higher nervous activity in animals following a lesion of the medial nuclei of the optic thalamus. V. I. Syrenskii. Zhur. vys. nauch. deiat. 13 no. 1:666-672 Jan-Mar '63

**OPTICAL GLASS see Glass, Optical**

**OPTICAL INSTRUMENTS**  
Test and measurement of the cutting edge of razor blades. E. V. Lorents. Izv. tekhn. no. 6:15-16 Jan-Mar '62.

**OPTICAL MEASUREMENTS**  
Allowing for distortion of cylindrical apparatus in optical measurements of viscous incompressible flow. A. A. Iantsevich. Ukr. fiz. zhur. 11 no. 11:1238-1242 N '66.

Electrical and optical study of PbS. I. U. V. Mal'tsev and others. Fiz. tver. tela 8 no. 7:2154-2162 Jan-Mar '66

**OPTICS**  
Dytko, N. D. [Physics] Fizika. Moskva, Vyssшая shkola, 1966. 316 p.

Pis. 3/4 [Electricity. Optics and atomic structure] Elektrichestvo. Optika i stroenie atoma. Izd. 2. 1965 316 p.

Iakusharkov, I. U. G. [Optical systems in photoelectric instruments] Opticheskio sistemy fotoelektricheskikh ustroystv. Moskva, Mashinostroenie, 1966. 168 p.

**OPTICS—CONGRESSES**  
Discussion of problems in optics and spectroscopy; all-Union symposium in Novosibirsk. S. S. Batsanov. Vest. AN SSSR 36 no. 12:85-86 D '66.

**OPTICS, GEOMETRICAL**  
Method of geometrical optics in theory of electromagnetic wave propagation in gyrotropic medium. I. U. G. Iakusharkov. Izv. vys. ucheb. zav. radiofiz. 9 no. 6:1103-1110 '66

Photie field within an unlimited plane-parallel layer under conditions of generation. B. I. Stepanov. Dokl. AN BSSR 8 no. 6:355-359 Jan-Mar '62.

**OPTICS, PHYSICAL**  
Spectrum and intensity of radiation from series of cylindrical bunches in optically active medium. E. D. Gazarian, L. V. Kazandzhian. Izv. AN Arm. SSR Fiz. 1 no. 3:200-202 '60

**ORANGE BREEDING**  
New forms in the generation of orange grown from seed. G. N. Pavlov. Sbor. trud. asp. i mol. nauch. sootr. VIR no. 2:258-260 '61.

**ORATORY**  
Stepanov, A. V., and A. V. Tolmachev. [The orator's companion] Spunik oratora. Moskva, Sov. Rossiya, 1966. 361 p.

**ORCHARD GRASS**  
Studying clonal propagation methods for timothy grass and orchard grass. V. G. Volkova. Sbor. trud. asp. i mol. nauch. sootr. VIR no. 2:134-144 '61.

**ORDYNSKOYE, LAKE—ZOOPLANKTON**  
Zooplankton of Lake Ordynskoye. G. L. Vasil'eva. Izv. Biol.-geog. nauch.-issl. inst. Irkutsk. 18 no. 1/2:18-34 '65.



## ORE DEPOSITS

(see also subdivision under Akhala region, Armenia, Altai Mountains, Azerbaijan, Balkhish Lake region, Daryum region, Chita Province, Dzhangarian Alatau, Kazakhstan, Kachetav region, Kolai region, India, Kuznetsk Alatau, Maritime Territory, Mongolia, Salair Range, Siberian Plateau, Stanovoy Range, Turgay Plateau, Turkmunistan, Turan S.S.R., Ukraine, Ural Mountains)

Distribution of pyritic deposits in the Ural Mountains. V. N. Kuznetsov. *Geol. i razved.* no. 12-13 p. 12-32. 1966.

On the problem of distribution of ore reserves in poly-metallic deposits. V. N. Kuznetsov. *Zap. LGI* no. 2 no. 112-113.

Geochronology of pyritic deposits revealed by study of complex mineralogical structures. V. V. Titovskaya. *Izv. vuzov* no. 11-12-1966.

Mineralogical prerequisites of a pyritic epigenetic ore formation with participation of formation waters. V. K. Litvinov. *Izv. vuzov* no. 12-13-1966.

Main thermodynamic regularities in studying the energy of mineralization. V. I. Litvinov. *Zap. LGI* no. 2 no. 17-31.

On the forms of the relationship of mineralization to igneous activity and the possibility of the discovery of rare metal deposits. V. N. Litvinov. *Izv. vuzov* no. 11-12-1966.

Some data on effect of secondary mineralization of elements on weathering surface of basic rocks. N. A. Litvinov. *Izv. vuzov* no. 11-12-1966.

Use of litho-geochemical methods for evaluation of complex metal and tin ore mineralization. G. F. Kadyrov. *So. geol.* no. 12-13-1966.

## ORE DEPOSITS—TABLES, CALCULATIONS, ETC.

(see also subdivision under Ural Mountain region)

Shortcomings in calculating reserves of ore deposits. S. T. Ignatiev. *Mat. GKZ* no. 4-5-6.

## ORE DRESSING

(see also subdivision under Krivoy Rog Basin)

About the term "boundary grain." A. I. Potarov. *Obog.* no. 11 no. 12-21.

Automatic stripping of perovskite concentrate. V. M. Kostin. B. N. Melnik. V. A. Reznichenko. *Min. syr'e* no. 13-63-69.

Behavior of feldspars in sintering with lime. G. R. Bricovik. K. P. Kaloeva. *Min. syr'e* no. 13-78-82.

Behavior of iron, lead, zinc, and copper elements in sulfuric acid decomposition of phosphorites. E. V. Gerasimov. K. A. Samykhina. *Min. syr'e* no. 13-83-87.

Beneficiation of Tashkagan "ollastone" minerals. V. I. Shvetsov, L. N. Malakhova. *Stk. i tv.* no. 12-25-27.

Chemical treatment of columbite and molybdenite concentrates. N. V. Petrov. A. G. N. Murat. N. P. Makarova. *Min. syr'e* no. 13-16-26.

Chlorination of tantalum-niobium concentrates under laboratory conditions. V. M. Kostin. *Min. syr'e* no. 13-37-62.

Effect of reagents on magnetic properties of some minerals. L. A. Grechikova. *Min. syr'e* no. 13-1-11.

Effect of roasting on solubility of biotites and chlorites in sulfuric acid solutions. N. N. Smirnova, T. B. Filippovskaya. *Min. syr'e* no. 13-88-95.

Flow sheets for dressing complex metal ores with a high content of pyrites. N. I. Kudrinskaya, T. M. Miakhova. *Obog.* no. 11 no. 3-4-9.

Interaction of nickel hydride with amine water solutions. N. V. Petrov, G. N. Murat, N. P. Makarova. *Min. syr'e* no. 13-35-41.

Magnetic treatment of flotation pyrochlore-chlorite concentrates. V. P. Kuznetsov. *Min. syr'e* no. 13-12-15.

Oleinkov, V. A., and O. N. Tikhonov, [Automatic control of technological processes in ore dressing] *Avtomaticheskoe upravlenie tekhnologicheskimi protsessami v obogatkakh i pri promyshlennosti*. Leningrad, Nedra, 1966. 355 p.

Ostapenko, P. E. [Practices of dressing iron ores in the Krivoy Rog Basin] *Praktika obogashcheniya zheleznykh rud v Kirovohozhskom bassaine*. Moscow, Nedra, 1966. 246 p.

Oxidation and solution of molybdenite in sulfuric acid solutions in presence of oxidizing agents. N. M. Sobinikova. G. A. Ivantsova. *Min. syr'e* no. 13-70-77.

Role of solid carbon in process of chlorination of oxides. L. V. Zverev. Z. S. Barsnikova. *Min. syr'e* no. 13-42-56.

Using water-soluble amines in technology of treatment of tantalum-niobium products. L. V. Zverev and others. *Min. syr'e* no. 13-27-34.

## ORE DRESSING—EQUIPMENT AND SUPPLIES

Designing the crushing space of gyratory cone crushers for fine comminution. V. A. Maslennikov. *Gor. zhur.* no. 12-30-41.

## ORE DRESSING PLANTS

(see also subdivision under Czechoslovakia)

Problem of increasing the depth of concentration of Nikopol' Basin manganese ore. V. A. Binkovich. *Gor. zhur.* no. 11-67-71.

## ORE DRESSING PLANTS—DESIGN AND CONSTRUCTION

see subdivision under Soviet Far East

## ORE DRESSING PLANTS—EQUIPMENT AND SUPPLIES

(see also subdivision under Krivoy Rog Basin)

Concerning the use of individual vacuum and compressed air systems in mine and ore dressing plants. V. P. Bonchuk. *Obog.* no. 11 no. 3-15-16.

Five-year plan and main objectives. *Obog.* no. 11 no. 3-4.

Industrial testing of electrovibrating feeders with a torsional elasticity system. I. A. Gol'din, M. I. Falans. *Obog.* no. 11 no. 3-7-18.

The 5-1 mica separating equipment. V. G. Kuzakov. V. V. Pankratov. *Gor. zhur.* no. 12-61-D.

Using hydrocyclones at a graphite beneficiation plant. N. A. Yulimov and others. *Obog.* no. 11 no. 3-36.

## ORE HANDLING—EQUIPMENT AND SUPPLIES

Constructing deep ore chutes in potash mines. G. A. Gladikh. *Gor. zhur.* no. 11-37-38.

Selection of loading equipment in the mining of the Mirgalsky deposit with chamber distribution along the strike. O. A. Baskinova, D. M. Krzyzhevskiy. *Izv. vuzov* no. 5-22-28.

## OREL—CONSTRUCTION INDUSTRY

Results of using defective bricks. T. Vladimirova. *Na stroit. Res.* no. 10-31-D.

## OREL—GLIDING AND SOARING—COMPETITIONS

A cloud fantasy. M. Baisenslaim. *Kryl. i rod.* no. 10-12-S.

## OREL PROVINCE—CORN (MAIZE)

Some methods of the cultivation of corn in Orel Province. M. A. Fedin. *Trudy Inst. gen.* no. 26-112-116.

## ORENBURG PROVINCE—CHUVASHES

Study of the mode of life, folklore and language of the Chuvash rural population of the Bashkir A.S.S.R. and Orenburg Province. Uch. zap. CHIMB. no. 2-270.

## ORENBURG PROVINCE—GAS, NATURAL—GEOLOGY

New data on search prospects for gas- and oil-bearing anticlinal folds of Bashkiria and Orenburg Province region of cis-Urals. F. I. Khatunov, E. A. Filippova. *Neftogaz. geol. i geofiz.* no. 12-3-7.

## ORENBURG PROVINCE—PARASITES—GOATS

Toxicity of lead nismate to goats. V. A. Semenov, M. N. Smirnova. *Veterinariia* no. 12-15-D.

## ORENBURG PROVINCE—PETROLEUM GEOLOGY

Geological prerequisites for discovering new oil fields in southern part of Orenburg Province. A. I. Kulakov and others. *Geol. nefti i gaza* no. 11-10-15.

New data on search prospects for gas- and oil-bearing anticlinal folds of Bashkiria and Orenburg Province region of cis-Urals. F. I. Khatunov, E. A. Filippova. *Neftogaz. geol. i geofiz.* no. 12-3-7.

## ORENBURG PROVINCE—REEFS

Dolomitized Tournaisian reefs in Orenburg Province. V. G. Kuznetsov. *Bull. MOIP, Old. geol.* no. 4-155-156.

## ORENBURG PROVINCE—WATER, UNDERGROUND

Hydrogeological regionalization of the eastern part of Orenburg Province. L. E. Chernikova, K. M. Chernikova. *Izv. vuzov, ucheb. zap., geol. i razved.* no. 6-93-102.

## ORES see subdivision under Kama Valley

## ORES—SAMPLING AND ESTIMATION

Geological documentation. A. P. Piskov. *Mat. GKZ* no. 4-24-28.

Krivoy, G. V., and G. A. Parkadze, [Comparing the accuracy and reliability of assaying stockwork-type deposits in prospecting by shot, diamond, percussion drilling and mine workings] *Opyt sravneniya tochnosti dostovernosti isprobovaniia mestorozhdeniya shokverkovogo tipa pri razvedke drobovym, almaznym, udarnym bureniem i gornymi vyrabotkami*. Moscow, Nedra, 1965. 35 p.

[MICROFILM]

Results of the revaluation of reserves of the "Iuzhnaia Mina" (Krivoy Rog Basin) iron ore deposit. L. K. Mikhoeva. *Mat. GKZ* no. 4-18-27.

Shortcomings in calculating reserves of ore deposits. S. T. Ignatiev. *Mat. GKZ* no. 1-3-9.

Using data of surface measurements of a large field held to estimate ore reserves in large ore deposit. V. A. Popov. *Metod. i tekhn. razved.* no. 52-56-70.

## ORGANIC ACIDS see Acids, Organic

## ORGANIC COMPOUNDS

Effect of some organic substances on structure of double electric layer on platinum. V. E. Kozlovskiy, G. V. Mansurov. *Elektrokhimiia* no. 11-134-135.

Oxidation of organic compounds by active manganese dioxide. S. P. Kozhushkov, L. I. Vereshchagin. *Izv. Khim.* no. 12-255-258.

Pollakova, A. A., and P. A. Khmel'nikskii, [Introduction to the mass spectrometry of organic compounds] *Vvedenie v mass-spektrometriiu organicheskikh soedinenii*, 2nd ed. A. A. Petrova. Moscow, Khimiya, 1965. 202 p.

Synthesis of cation-active compounds on the basis of naphthalene aldehydes. N. M. Romanov, A. N. Nizhnikov. *Izv. AN Turk. SSR, Ser. fiz.-tekh. i him. i geol. nauk* no. 5-11-12.

Synthesis of cation-active compounds on the basis of naphthalene aldehydes. N. M. Romanov, A. N. Nizhnikov. *Izv. AN Turk. SSR, Ser. fiz.-tekh. i him. i geol. nauk* no. 5-11-12.

## ORGANIC COMPOUNDS—ANALYSIS

Terent'ev, A. P. [Organic analysis, selected works] *Organicheskii analiz, izbrannye trudy*. [Moskva] Izdat. vo Mosk. univ., 1966. 407 p.

## ORGANIC COMPOUNDS—SPECTRA

Studying long-wave infrared absorption spectra of naphthalene, thiophene, and p-dichlorobenzene. P. A. Dzhallalov. *Izv. vuzov* no. 12-61-D.

## ORGANIC MATTER

(see also subdivision under Atlantic Ocean, Caucasus, Northern, Indian Ocean)

Manufacture and use of a holder for determining primary production of organic matter in bodies of water. G. A. Gorbatenko. *Biol. i razved.* no. 4-100-102.

New classification of humic acids. N. M. Litvinov. *Kok. i khim.* no. 12-1-7.

Organic matter of marine sediments of U.S.S.R. F. I. Gorbatenko. *Bull. MOIP, Old. geol.* no. 4-115-116.

## ORGANIZATION OF AFRICAN UNITY

African unity: its friends and foes. M. S. Serebrennikov. *Nov. vrem.* no. 3-10-10.

## ORGANIZATION OF AMERICAN STATES

Pan-Americanism and the "Tricontinental." H. Gvozdev. *Nov. vrem.* no. 3-10-10.

## ORGANOCHLORIDE COMPOUNDS

Quantitative determination of chlorine-containing organic compounds. A. A. Zelenetskaya, N. N. Mikheeva. *Trudy VNIISIN* no. 7-170-171.

## ORGANOCHLORINE COMPOUNDS

Protection of rubber compounds against scorching by means of organic chlorine-containing compounds. A. I. Grinberg, V. F. Cherkova, A. A. Potolinsk. *Khimiia* no. 21 no. 6-9-11.

## ORGANOFLUORINE COMPOUNDS

Comparative toxicity of some monofluorine-containing organic fatty compounds for fleas. I. V. Avdeeva, N. M. Bakel'skaya. *Vest. Mosk. univ. Ser. biol. i med. nauch.* no. 1-10-11.

Fluorides with high oxidizing capacity and their use in the preparation of organofluorine compounds. N. I. Gubkin, S. V. Sokolov, E. I. Krylov. *Izv. Khim.* no. 12-229-232.

Mobility of hydrogen atoms in monohydric alcohols and in related compounds; ionization of 2-monoalcohol open chain alcohols and effect of α-hydroperfluorocarboxylic acids. S. T. Kozlovskiy, L. M. Hukhlin, L. L. Khamitova. *Zh. Vkhim. no. 6-709-710.*

## ORGANOLEAD COMPOUNDS

Tin and lead organic monomers and polymers. D. A. Kochkin, I. N. Averbuch. *Vest. AN Kazakh. SSR* no. 12-53-61-D.

## ORGANOLITHIUM COMPOUNDS

Synthesis and properties of allene hydrocarbon derivatives. Part 9. Interaction of lithium alkenes and alkylolithium adducts with enyne alcohols and carbonyl compounds. O. V. Perepel'tsin, Kh. V. Bal'tan. *Zhur. org. khim.* no. 11-1028-1034.

Synthesis and properties of allene hydrocarbon derivatives. Part 10. Interaction of dialkylvinylacetylenes with organolithium compounds of naphthalene and heterocyclic series. L. N. Cherkasov, Kh. V. Bal'tan, V. A. Kormer. *Zhur. org. khim.* no. 11-1034-1038.

Synthesis and properties of allene hydrocarbon derivatives. Part 11. Addition of organolithium compounds to vinyl-phenylacetylene and vinylalkylacetylenes. L. N. Cherkasov, Kh. V. Bal'tan, V. A. Kormer. *Zhur. org. khim.* no. 11-1038-1042.

## ORGANOMETALLIC COMPOUNDS

Complex products of interaction of alkyl(aryl) alkoxyallenes with aqueous-alkaline solutions of sodium zincates and beryllates. D. A. Soboleva, L. V. Mykhailova. *Trudy MKUTI* no. 41-07-103.

## ORGANOMETALLIC COMPOUNDS (Continued)

Determination of aluminum in organometallic compounds containing silicon and phosphorus. M. P. Strukova, T. V. Kirillova, Zhur. anal. khim. 21 no. 10 1236-1238 '66  
Poly [bis (organophosphoryl) siloxane oligomers. K. A. Andrianov and others. Izv. AN SSSR Neorg. khim. 2 no. 11-12 1923-1929 N '66

Synthesis and properties of biologically active copolymers of maleic anhydride with organotin and lead monomers. D. A. Kochvin and others. Vest. AN Kazakh. SSR 22 no. 10 45-52 O '66

## ORGANONITROGEN COMPOUNDS

Chemistry of esters of keto acids of acetylene series. Part 6. Interaction of phenylethynylglyoxylic acid esters with hydrazides, hydrazides, and hydrazylamine. I. I. Ipatov, I. U. S. Andrichikov, Zhur. org. khim. 2 no. 11 2075-2078 N '66

## ORGANOPHOSPHORUS COMPOUNDS

Chemical convulsions of organophosphorus compounds at increased temperatures and the nature of the action of these compounds on weak inhibition. P. I. Samin, A. V. Ullmanov, Neftekhimika 3 no. 5 775-780 S-O '63

Determination of phosphorus and titanium in organometallic compounds. M. P. Strukova, V. N. Kotova, Zhur. anal. khim. 21 no. 11 1351-1357 '66

Organophosphorus compounds of Pandellium chrysogenum, phosphorus of which is determined as orthophosphate. I. S. Kulakov, and others. Dokl. AN SSSR 171 no. 2 173-176 N '66

Third Conference on the Chemistry and Use of Phosphorus Organic Compounds organized by the Leningrad Province Administration of the D. I. Mendeleev All-Union Chemical Society. K. P. Mikhchenko, V. V. Razumovskii, Zhur. VKhO 11 no. 6 696-699 '66

## ORGANOSILICON COMPOUNDS

Connection between the marginal angle, concentration of the solution imparting hydrophobic properties, and the degree of coating of glass with a hydrophobic film. O. O. Pashchenko, O. A. Lavtka, Dop. AN URSR no. 7 914-916 '61

Light scattering and viscosimetry of polyvinyltrimethylsilane solutions. A. B. Dushkova and others. Vysokom. soed. 8 no. 10 1014-1017 O '66

Qualitative determination of chemical stability of hydrophobic organosilicon coatings by means of infrared spectroscopy. O. O. Pashchenko, K. K. Karybaev, S. I. Buz. Dop. AN URSR no. 11 1461-1463 '66

Use of organic amines for silicon determination in some organosilicon compounds. V. V. Krasovskikh, L. V. Mykhailova, Trudy MKhI 1 no. 42 178-181 '63

Using the method of differential thermographic analysis for studying the thermo-oxidative destruction of the films of organosilicon on electric insulation layers. A. A. Alent'ev, A. A. Pashchenko, I. I. Kletchenkov, Khim. prom. [UKr.] no. 3 12-15 J1-S '62

## ORGANOSILICON COMPOUNDS—TESTING

Investigating the effect of the production method on the composition and properties of liquid polyorganosiloxanes. Investigating the composition and characteristics of polymethylphenylsiloxanes obtained by the method of catalytic polymerization with subsequent catalytic reagenting in the presence of "Kil" bentonite clay. M. A. Kleimovskaya and others. Plast. massy no. 9 19-21 '62

## ORGANOTHERAPY

Tissue therapy in experimental baculosis. Report No. 2. M. N. Mikhnevskii, A. M. Khokhlova, O. N. Trubchinnova, Trudy Gos. nauch.-issl. protivochum. inst. 16 223-228 '59

## ORGANOTIN COMPOUNDS

Tin and lead organic monomers and polymers. D. A. Kochkin, I. N. Arzibayev, Vest. AN Kazakh. SSR 22 no. 12 53-61 D '66

## ORGANOTITANIUM COMPOUNDS

Determination of phosphorus and titanium in organometallic compounds. M. P. Strukova, V. N. Kotova, Zhur. anal. khim. 21 no. 11 1354-1357 '66

## ORIBATIDAE see subdivision under Soviet Central Asia

## ORIENTAL LANGUAGES—STUDY AND TEACHING

A course which is going to start. L. D. Pozdneeva, Nar. Az. 1 Afr. no. 8 99-106 '66

"Lomonosov lectures" at the Institute of Oriental Languages of Moscow University. V. I. Kazakov, Nar. Az. 1 Afr. no. 6 168-169 '66

## ORIENTAL SORE see Delhi bol

## ORIENTAL STUDIES

(see also subdivision under Hungary)

Brief notes. Nar. Az. 1 Afr. no. 6 172-179 '66  
Oriental lectures at a session of the State Hermitage. I. V. Rapoport, Nar. Az. 1 Afr. no. 6 170-171 '66

## ORLOV, IURII ALEKSANDROVICH, 1893-1966

Iurii Aleksandrovich Orlov, 1893-1966. K. K. Pletov, B. A. Trofimov, Paleont. zhur. no. 4 3-7 '66

## ORLOVSKII, ARKADI I VIKTOROVICH, 1901-1966

A. V. Orlovskii; obituary. Elektrichestvo no. 12 84 D '66.

## ORNAMENTAL PLANTS see Plants, Ornamental

## ORNITHOLOGY—CONGRESSES

Problems of modern ornithology at the 3d All-Union Ornithological Conference. V. S. Zil'tsava, Izv. AN SSSR, Biol. no. 3 181-188 My-Je '63

## ORNITHOLOGY VIRUS

Comparative study of some biological properties of ornithosis virus strains isolated in the focus of infection. I. A. Kuzhanov, O. M. Popova, Vop. virus. 11 no. 6 775-742 N-D '66

## ORPHANS AND ORPHANAGES

The first children's commune. M. Bulgakov, Sem'ia i shkola 21 no. 11 38-39 N '66.

## ORTHODONTIA

March, M. R., and A. O. Pochtart'ov, [Laboratory manual of orthopedic stomatology, introductory course] Pinky-kum z ortopedicheskoi stomatologii, propovedychnyi kurs. Kyiv [Dzhizmedvydav URSR] 1964. 123 p. (DNLM)

## ORTHODOX EASTERN CHURCH—CONTRVERSIAL LITERATURE

Klaskov, N. P. [The Church accommodates itself] Tserkov' prispobliatsia. Leningrad, On-vo "Znanie" RSFSR, 1965. 33 p.

## ORTHODOX EASTERN CHURCH, UKRAINIAN

Harion, Metropolitan of Winnipeg and All Canada. [We like our Ukrainian Orthodox Church] Ideology of the Ukrainian Orthodox Church [Lubimoi svoiu Ukrain's'ku Pravoslavnu Tserkvu. Ideologia Ukrain's'koj Pravoslavnoi Tserkvy. Winnipeg, 1966. 43 p. (Khrystians'ka biblioteka vydaje "Vira i Kul'tura," no. 7)

## ORTHOPEDIA

Controversial problems in the treatment of spinal fractures. F. R. Bogdanov, Travmatologiya no. 1, 100-109 '65.

Diagnosis and observation of invalids using prostheses and orthopedic articles. A. P. Kotov, Travmatologiya no. 1 50-56 '65.

Results of surgical treatment of medial fractures of femoral neck. E. A. Grifol, Travmatologiya no. 1 193-196 '65.

Some current problems of the present-day traumatology of newborn infants. V. S. Kostrikov, Travmatologiya no. 1 113-110 '65.

Surgical treatment of fractures of long tubular bones. V. F. Trubnikov, Travmatologiya no. 1 110-117 '65.

Treatment of open fractures of the extremities. M. I. Bystritskii, I. F. Zagonik, Travmatologiya no. 1 115-123 '65.

## ORTHOPEDIA—CONGRESSES

Gor'kovskii nauchno-issledovatel'skii institut travmatologii i ortopedii [Problems of traumatology and orthopedic materials for an out-of-town scientific conference] Voprosy travmatologii i ortopedii, materialy k vyezdnoi nauchnoi konferentsii, Gor'ki, 1963. 238 p. (DNLM)

Ukrainskaia nauchno-prakticheskai konferentsiia khirurgov detskogo vozrasta, 2d. [Surgery, traumatology and orthopedics in childhood, transactions] Khirurgiia, travmatologiya i ortopediia detskogo vozrasta; trudy. Kiev, Zdorovia, 1965. 272 p. (DNLM)

## ORTHOPEDIC APPARATUS

Spinal for the development of movements in finger joints. I. U. Kolontai, Travmatologiya no. 1 237-238 '65.

## OSCILLATIONS

One radiophysical method of measuring small mechanical oscillations. V. B. Braginskii, A. B. Manukin, Izv. vuz. ucheb. zav. radiofiz. 9 no. 6 1196-1201 '60

Parametric effect of a harmonic random force on a nonlinear oscillatory system. V. H. Kolomoieva, Dop. AN URSR no. 11 1413-1417 '62.

Theory of small oscillations in nonhomogeneously compressible gravitating medium of plane symmetry. R. S. Oganesian, Izv. AN Arm. SSR, Fiz. 1 no. 3 185-191 '60

## OSCILLATORS, CRYSTAL

Effect of piezoelectric oscillations of crystal lattice on intensity of passing X-ray beam. Part I. P. A. Bezit'ganian, V. I. Avundzhian, Izv. AN Arm. SSR, Fiz. 1 no. 3 147-155 '66

Effect of piezoelectric oscillations on intensity of X-ray scattering in second approximation. P. A. Bezit'ganian, V. I. Avundzhian, Izv. AN Arm. SSR, Fiz. 1 no. 4 227-236 '66

Measuring longitudinal and transverse piezoelectric effect of quartz and quartzite veins by the dynamic method. E. I. Parkhomenko, A. B. Usupenskaya, Trudy Inst. fiz. Zem. no. 37 232-242 '66

## OSCILLATORS, ELECTRIC

Low-frequency RC self-oscillator as an indicator of weak permanent magnetic fields. V. P. Chirkov, Izv. vuz. ucheb. zav., radiofiz. 9 no. 8 671-672 S-O '66.

Parametric oscillator synchronization using the difference frequency. K. K. Likharev, Radiotekh. i elektron. 11 no. 12 2086-2088 N '66.

## OSCILLATORS, TRANSISTOR

Crystal controlled oscillator with impulse excitation in ultrasonic subharmonic. A. F. Plon'kin, I. U. Kirillova, Izv. vuz. ucheb. zav., radiofiz. 9 no. 5 616-631 S-O '66

Theory of transistor LC oscillators with oscillatory stages. I. D. Bolanov and others, Izv. vuz. ucheb. zav., radiofiz. 9 no. 6 714-718 N-D '66

## OSCILLOMETRY

Oscillatory properties on the human body. V. L. Kaiman, G. V. Radovskaya, Bluz. chlap. biol. i med. 35 no. 6 665-69 Je '63

## OSMOSIS

Determining osmotic pressure in a yeast cell. Z. P. Shiklova, U. I. Smid, Gidroliz i khim. prom. 19 no. 8 1-6 '66

## OSSETIA, NORTH—AGRICULTURE

Basic occupations of the people of North Ossetia in the 19th and early 20th centuries. B. S. Kulov, Izv. Sev.-Oset. nauch.-issl. inst. 25 293-315 '66

## OSSETIA, NORTH—ARCHAEOLOGY

Basic problems in the archaeology of North Ossetia. V. A. Kuznetsov, Izv. Sev.-Oset. nauch.-issl. inst. 25 195-209 '66

## OSSETIA, NORTH—BIBLIOGRAPHY

Severo-Osetinskai respublikanskaia biblioteka. [Brave sons of Iriston, heroes of the Soviet Union in the Great Patriotic War. A list of recommended literature] Ot-vazhnye syny Iristona, Geroi Sovetskogo Soiuza v Velikoi Otechestvennoi voine. Rekomendat'nyi ukazatel' literatury. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1965. 37 p. (CSU-II)

## OSSETIA, NORTH—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Postwar ideological work of the party organization of North Ossetia, 1946-1948. O. S. Gvozdian, Izv. Sev.-Oset. nauch.-issl. inst. 25 22-31 '66

## OSSETIA, NORTH—FLOUR MILLS

"K'ada Kuyrel", the flour mill of the Ossetians. E. G. Pchelina, Izv. Sev.-Oset. nauch.-issl. inst. 25 251-284 '66

## OSSETIA, NORTH—HANDICRAFT

Basic occupations of the people of North Ossetia in the 19th and early 20th centuries. B. S. Kulov, Izv. Sev.-Oset. nauch.-issl. inst. 25 293-315 '66

## OSSETIA, NORTH—HISTORY

How the Russian pre-revolutionary government seized the communal forests of North Ossetia. S. D. Kulov, Izv. Sev.-Oset. nauch.-issl. inst. 25 125-133 '66

## OSSETIA, NORTH—INSCRIPTIONS

An Alan-Ars inscription from the village of Tsamand in the Alagir gorge in North Ossetia. B. A. Alborov, Izv. Sev.-Oset. nauch.-issl. inst. 25 280-292 '66

## OSSETIA, NORTH—RELATIONS (GENERAL) WITH KABARDINO-BALKAR

Ossetian contacts with the Kabardians and Balkars from the 16th through the 18th century. M. S. Totova, Izv. Sev.-Oset. nauch.-issl. inst. 25 131-153 '66

## OSSETIA, NORTH—SOCIALIST COMPETITION

How the party organization of North Ossetia controlled the socialist competition of the masses during the fifth five-year plan. D. S. Kruglyi, Izv. Sev.-Oset. nauch.-issl. inst. 25 17-67 '66

## OSSETIA, NORTH—WORLD WAR, 1939-1945

North Ossetia during the Great Patriotic War, on the 20th anniversary of the defeat of fascist Germany. T. N. Kibizov, Izv. Sev.-Oset. nauch.-issl. inst. 25 5-21 '66

## OSTEITIS DEFORMANS

Malignant degeneration of osteodystrophie deformans-Paget's disease. M. K. Klimova, Vest. rent. i rad. 37 no. 3 45-50 My-Je '62

## OSTEOCHONDROSIS

Popelinskii, I. A. [Cervical osteochondrosis; compression and reflex syndromes] Shchitnyi osteokhondroz, kompiessionnyi i reflektorniye sindromy. Moskva, Meditsina, 1966. 263 p. (DNLM)

Shoulder-hand reflex neuromyographic syndrome in cervical osteochondrosis. I. A. Popelinskii, Zhur. neur. i psikh. 63 no. 1 43-46 '63

Two cases of dissecting osteochondrosis of the talocrural joint corroborated by roentgenography in the third (oblique) projection. F. S. Golubkova, Trudy Novokuz. GIDUVA 32 125-126 '65

## OSTEOMYELITIS

Problem of the so-called osteoid osteoma. I. G. Lagunova, Vest. rent. i rad. 37 no. 3 339-45 My-Je '62  
Some peculiarities of the clinical and X-ray characteristics of residual forms of chronic gonorrheal osteomyelitis of the tubular bones. S. A. Kats, Travmatologiya no. 1 289-305 '65.



## OXYGEN ISOTOPES (Continued)

Semimicro method for determining isotopic composition of oxygen of water by  $H_2O$  exchange with  $KMnO_4$ . I. I. Vol'nov, V. N. Chamova, K. M. Salimova. *Zh. anal. khim.* 21 no. 12 1262-1263 '66.

## OXYGEN THERAPY

Use of oxygen in oncological radiotherapy. I. P. Beitzel, A. I. Buhman, I. M. Epshteyn. *Vop. onk.* 12 no. 12 76-83 '66.

## OXYHEMOGLOBIN

Relationship between ergocalciferol (vitamin  $D_2$ ) and oxyhemoglobin and cytochrome c. N. V. Blazhkevich, V. B. Spilchev. *Biokhimiya* 31 no. 6 1100-1105 N-D '66.

## OXYTOCIN

Relationship of insulin, oxytocin and vasopressin to yeast hexokinase. G. V. Titova. *Biokhimiya* 31 no. 6 1107-1110 N-D '66.

## OXYURIASIS

Some data on the state of the nervous system in enterobiasis in children. L. P. Svobchenko. *Med. para. i paraiz.* 101. 31 no. 5 557-559 S-O '62.

## OYSTERS see subdivision under Black Sea

## OZOCERITE—THERAPEUTIC USE

Ozocerite treatment in lumbosacral radiculitis with electromyographic control. M. Z. Kal'keev. *Zh. nevro. i psikh.* 63 no. 1-4-18 '63.

## OZOLINS, JANIS, 1908-

Verners, Ainars. [Road of the song; life and work of Janis Ozolins] Dziesmas celis; Janis Ozolins dzive un dailaide Ritga, Liesma, 1960. 176 p. [In Latvian]

## OZONE

Electrical theory of ozonization. Part 12. I. U. V. Filipov, V. P. Vondillo. *Zhur. fiz. khim.* 40 no. 11 2013-2015 N '66.

Ozonization of 1-hexene and properties of ozonides. S. D. Razumovskii and others. *Zhur. org. khim.* 2 no. 11 1012-1016 N '66.

Yield energy relations of radiochemical reactions of ozone formation and nitrogen oxidation. M. I. Dmitriev. *Zhur. fiz. khim.* 40 no. 11 2729-2734 N '66.

## PACHYCARPINE

The course of the placental stage in labor pathology using palycarpine, isoverin and promedol. N. R. Korkulenko. *Sov. med.* 26 no. 3-58-61 M '63.

## PACIFIC AREA—COLONIES

The U. S. A. and the allotment of German colonies in the Pacific region during the First World War. I. A. A. Dombrovskii. *Trudy TGU* 180, 128-116 '65.

## PACIFIC OCEAN—COCCOLITHS

Coccoliths of *Discosira* Tan Sin Ho group in aqueous suspensions of Pacific Ocean. I. U. A. Bogdanov, M. G. Ushakova. *Dokl. AN SSSR* 171 no. 2 465-467 N '66.

## PACIFIC OCEAN—EARTHQUAKES

Characteristics of stress orientation of earthquake focuses in Pacific Ocean. L. M. Balukhina. *Bull. MOIP. Otd. geol.* 41 no. 4 110-150 JI-Ag '66.

## PACIFIC OCEAN—OCEANOGRAPHY

Characteristics of water masses in northern part of Pacific Ocean. V. V. Leon'teva. *Sbor. st. k razd. prog. MGG* no. 15 23-27 '66.

## PACIFIC OCEAN—VOYAGES AND TRAVELS

History of studying the Russian discoveries in the Pacific Ocean in the second half of the 18th century. R. V. Makarova. *Trudy MGAI* 22:251-278 '65.

## PACIFIC OCEAN—WINDS

Prevailing winds and resultant transportation in Pacific Ocean. I. U. A. Romanov. *Sbor. st. k razd. prog. MGG* no. 15 88-111 '66.

## PACIFIC BODIES

Some morphophysiological characteristics of individual mechanoreceptors (Pacinnian bodies). O. B. Il'inskiy, N. K. Volkova. *Dokl. AN SSSR* 171 no. 2 191-197 N '66.

## PACKAGING

More attention to packaging. G. Aramian. *Prom. Arm* 9 no. 10 65-66 '66.

## PACKED TOWERS

Automatic regulation of benzene rectification column. L. I. Sargat, N. I. Reznik. *Koks i khim.* no. 12 36-37 '66.

Isolation between the effectiveness of packed capillary columns and experiment parameters. V. G. Berezkin, A. T. Sviatoshenko, L. N. Klement'evskaya. *Zhur. anal. khim.* 21 no. 11 1307-1374 '66.

## PAIN

Effect of analgesics on the pain sensitivity of irradiated animals. G. A. Bol'shakova. *Vop. radiofiz.* 4:347-351 '61.

Use of ultrasound in the treatment of phantom pains following amputation of extremities. A. I. Kravchenko. *Travmatologiya* no. 1:90-94 '65.

## PAINT

New varnish and paint materials. I. Karasov, G. Lopatin. *Sel. st. i izv.* 16 no. 11 16-17 N '61.

## PAINT INDUSTRY see subdivision under Ukraine

## PAINTERS

Master of the lofty heights (continuation). Maksim Zverev. *Scen. i ishkol.* 21 no. 11 51-57 N '66.

Master of the lofty heights (conclusion). Maksim Zverev. *Scen. i ishkol.* 21 no. 12 54-57 D '66.

## PAINTING

A sense of time. T. Shakhova. *Scen. i ishkol.* 21 no. 11 49 N '66.

## PAIR PRODUCTION

Neutron pair production in electron motion in thin magnetic field. V. N. Buzer, V. M. Katkov. *Dokl. AN SSSR* 171 no. 2 315-316 N '66.

## PAKISTAN—FOREIGN RELATIONS—INDIA

The anniversary of the Tashkent declaration. I. U. Lugovskiy. *Mezhdunar. zhurn.* 11 no. 1 120-121 '67.

The Tashkent declaration in action. L. Stepanov. *Nov. vrem.* 25 no. 3-3-4 Ja '67.

## PALEOBIOLOGY see subdivision under Russian

## Platform

## PALEOBOTANY, STRATIGRAPHIC

(see also subdivision under Lena Valley, Lenkoran' District)

Presence of Gigantopteris in the U. S. S. R. I. A. Dobruzhina. *Dokl. AN SSSR* 171 no. 5 1187-1190 D '66.

## PALEOECOLOGY—CONGRESSES

12th Paleontological-Lithological Session. *Paleont. zhur.* no. 1 117-120 '66.

## PALEOGEOGRAPHY

(see also subdivision under Sikhote-Alin' Range, Volga Valley)

Paleogeographic significance of the shape analysis of sandy quartz particles. V. N. Shvannov, A. B. Markov. *Izv. vuz. ucheb. zav. geol. i razv.* 6 no. 6 27-31 Je '63.

## PALEOGRAPHY, LATIN

History of a Carolingian manuscript of the ninth century from northern France. S. S. Novikina. *Sred. veka* no. 20 181-207 '66.

The role of O. A. Dobruzhina-Rozhdavitskaya's works in the development of Latin paleography in the U. S. S. R., on the 25th anniversary of the death of O. A. Dobruzhina-Rozhdavitskaya, a corresponding member of the Academy of Sciences of the U. S. S. R. A. S. Lublinskaya. *Sred. veka* no. 20 173-178 '66.

## PALEOMAGNETISM

New earth's remanent magnetic field. P. M. Likhov. *Gcomag. i aer.* 6 no. 6 1130-1135 N-D '66.

## PALEONTOLOGY see subdivision under Kopetdag

## PALEONTOLOGY—CONGRESSES

All-Union Symposium on Paleontology of Pre-Cambrian and Early Cambrian. B. S. Sokolov. *Paleont. zhur.* no. 4 114-117 '66.

Twelfth (anniversary) session of Paleontological Society of the U. S. S. R. R. A. Abdullaev, A. S. Masumov. *Uzb. geol. zhur.* 10 no. 5 81-82 '66.

## PALEONTOLOGY, STRATIGRAPHIC see subdivision

under Irtys Valley, Kazakhstan, Motochraya Valley; Sherkh; Tugay Valley

## PALASHVILI, ZAKHARI PETROVICH, 1872-1933

The image of a people's singer in a radio play. I. Gamkrelidze. *Sov. radio i tel.* 8 no. 3 26 '60.

## PALLADIUM ALLOYS

Isomeric shifts on  $Sn^{119}$  impurity nuclei in Pd-H alloys. V. V. Chekin, V. G. Naumov. *Zhur. eksp. i teor. fiz.* 51 no. 4 1040-1051 O '66.

## PALLADIUM CHLORIDES

Reaction of palladium chloride with methylphenylethynylcarbinol. A. V. Babayeva, T. I. Beresneva. *Zhur. neorg. khim.* 11 no. 11 2671-2672 N '66.

## PALLADIUM COMPOUNDS

Synthesis and structure of dichlorochevalient-1,5-palladium. I. A. Zakharova and others. *Zhur. neorg. khim.* 11 no. 11 2513-2550 N '66.

## PALLADIUM-NICKEL ALLOYS see Nickel-palladium

## alloys

## PALMER PENINSULA, ANTARCTICA—GEOLOGICAL

## RESEARCH

Conditions of geological work on Palmer Peninsula. G. E. Gikurov. *Inform. bul. Sov. antark. eksp.* no. 50: 20-26 '66.

## PALYGORSKITE

Mechanism of the formation of coagulation structures in aqueous dispersions of palygorskite and hydromica under the effect of ultrasound. N. N. Kruglitskii and others. *Izv. AN SSSR, Neorg. mat.* 2 no. 12 2213-2220 D '66.

## PALYNOLOGY see subdivision under Central Chernozem region, Kama Valley, Kara Kum

## PALYNOLOGY—TABLES, ETC.

Leninigr. ad. Vsesoyuznyy geologicheskii institut [Tables of drawings and microfotographs of spores, pollen and other plant microfossils from sediments of Upper Pre-Cambrian, Pleistocene of U. S. S. R.] Tablitsy risunkov i mikrofotozafil spov, pyl'tay i drugikh rastitel'nykh mikrofosfilli iz otlozhenii verkhnego dokembrii - pleistotsena SSSR. Leningrad, Nedra, 1960, 366 p. (Its Trudy, no. 141 Paleopalinologia, vol. 3)

## PAMIRS—BIRDS

Birds of Pamirs. R. L. Potapov. *Trudy Zool. inst.* 46 3-119 '66.

## PAMIRS—ICE ON RIVERS, LAKES, ETC.

Ice phenomena on the rivers of the Pamirs. V. V. Golovin. *Vest. Mosk. un. Ser. 5 Geog.* 21 no. 6 91-92 N-D '66.

## PANCREAS

Anatomy of the intrajugular lymphatic system of the human pancreas. F. A. Vorob'eva. *Ark. anat., gist. i embriol.* 41 no. 3, 62-67 M '63.

## PANCREAS—CANCER

Results of treating cancer of pancreas and Vater's papilla. V. M. Efetov, F. I. Fridman. *Klin. onk.* no. 1 79-84 '65.

## PANCREAS—DISEASES

Amyolytic activity of the blood and urine in some experimental disorders of the renal and pancreatic function. I. N. Kolesnikov. *Pul. fiziol. i eksp. terap.* no. 3 73-74 '64.

Blood sugar level and state of the  $\beta$ -cells in the islands of Langerhans following administration of some antithyroid preparations and diabetol. R. V. Rudyi, A. P. Dyban. *Probl. endok. i goim.* 9 no. 1 41-50 Ja '63.

## PANCREAS—SECRETIONS

Effect of tonifying radiation on the secretory processes in the exocrine part of the pancreas of white mice. N. K. Shmidt. *Vop. radiofiz.* 4 222-227 '61.

Pathogenesis of biliary peritonitis and cholecystitis caused by the enzymatic action of pancreatic juice. V. B. Titovskaya, T. V. Shink. *Pul. fiziol. i eksp. terap.* no. 3, 60-63 '61.

## PANCREAS—TUMORS

Psychopathologic and electroencephalographic characteristics of organic hyperinsulinism caused by insulinoma. A. K. Dobruzhina and others. *Zhur. nevro. i psikh.* 66 no. 12 1829-1836 '66.

## PANCREATIN

Representative activity of trypsin preparations for obtaining monostatal tissue cultures. Report No. 2; some comparative data on activity and enzyme composition of Difko commercial preparations. T. G. Merelina. N. I. Solov'eva. *Trudy Mosk. nauch.-issl. inst. virus. prep.* no. 3 275-286 '65.

## PANCREATITIS

Intervention of chronic pancreatitis and myocardial infarction. E. G. Ponomareva, S. A. Tuzhita. *Sov. med.* 20 no. 12 67-72 D '66.

Some problems of the course and early diagnosis of acute pancreatitis. A. I. Ostipova. *Sov. med.* 20 no. 12 87-91 D '66.

## PANELS (BUILDING)

First experience shown at the Exhibition of the Achievements of the National Economy into practice in construction. D. Prolovskii. *Zh. st. i st.* no. 12 36 '66.

Double-sheet steel heating panels. V. M. Gusev. *Stroi. i arkhit.* Len '5 no. 5-13-35 M '63.

Keramziti-concrete panels for two-room walls. A. Rotmashko, G. Garavenko. *Na stroi. Ros.* 4 no. 10 21-22 O '63.

Large-panel house from gas-lime concrete. I. Sukhtchev, R. Fedina. *Na stroi. Ros.* 4 no. 10 26-27 O '63.

Load-bearing capacity of interior walls in multistory panel-type buildings. A. Lysogorskiy. *Stroi. i arkhit.* Mosk. 12 no. 6 9-11 Je '63.

Practices in manufacturing the expanded concrete wall panels and blocks with lime-sand binder. N. V. Ivakhno. *Sbor. trud. ROSSNIMS* no. 24 73-80 '62.

Selection of economically expedient thickness for outside wall panels of residential and public buildings. S. Belimovskii. *Zh. st. i st.* no. 10 6-9 '66.

## PANELS (BUILDING)—THERMAL PROPERTIES

Heat engineering problems in the construction of panel-type apartment houses in Czechoslovakia. M. Galatka. *Arkhit. SSSR* no. 7 56-58 '63.

## PANTOTHENIC ACID

Biological significance of pantothenic acid and its role in the pathogenesis of some skin diseases; a review of literature. L. D. Tishchenko. *Vest. dermat. ven.* no. 12: 40-45 '62.

## PANTOTHENIC ACID—THERAPEUTIC USE

Compound treatment of lupus erythematosus with resorcinol and calcium pantothenate. L. D. Tishchenko. *Vest. dermat. ven.* 37 no. 3 16-20 M '63.

- PAPER**  
Reinforced paper for the packaging of sheet steel, T. I. Dubentsov, L. F. Khumis, I. A. Zimina. Shor. trud. UkrNIIB no 7 102-109 '66
- PAPER—TESTING**  
Use of statistical methods in checking the apparatus for physical and mechanical testing of paper and cardboard, A. N. Chamova, N. V. Golub. Shor. trud. UkrNIIB no 7 116-159 '66
- PAPER, EFFECT OF TEMPERATURE ON**  
Determination of the heat resistance of condensed paper, L. M. Vlasov, E. N. Mironchik. Shor. trud. UkrNIIB no 7 110-114 '66
- PAPER CHROMATOGRAPHY**  
Densitometric method of quantitative determination of belladonna alkaloids separated by paper chromatography, M. S. Shipilov, I. U. M. Shilov, S. D. Mikhailov. Prikl. biokhim. i mikrobiol. 2 no. 6 707-713 N-D '66  
Determination of benzene polycarboxylic acids in oxidation products of some natural materials, L. A. Fedina, V. N. Gerasimova, Zhur. anal. khim. 21 no. 11 1365-1369 '66  
Rapid method of determining nitrobenzene in rocks and minerals by means of paper partition chromatography, V. I. Bogdanova, L. S. Shuliy, Zhur. anal. khim. 21 no. 10 1201-1204 '66
- PAPER ELECTROPHORESIS**  
Electrophoretic study of blood proteins in late syphilis, A. K. Shcherbakova. Vest. dermat. i ven. 37 no. 3-37-11 '63  
Use of paper electrophoresis for the division of some acids of the citric acid cycle in biological fluids, A. M. Potun'kina, L. I. Silina. Lab. delo no 1-23-25 '67
- PAPER INDUSTRY**  
(see also subdivision under Ukraine)  
Continuous measurement of the gloss of coated paper on a calendar, G. A. Kundtich, S. Z. Elid'man. Bum. i der. prom. no 3-39-46 JI-S '62  
Improvement of the structure of the utilization of semi-finished products and the decrease of specific norms for fiber consumption in the manufacture of various types of paper, V. V. Naumov, N. D. Khrantsova. Trudy VNIIB no 51-233-249 '65  
Use of latexes in the manufacture of paper and cardboard, E. V. Konstantinova, Z. V. Uchashtkina. Trudy VNIIB no 51-250-256 '65
- PAPER INDUSTRY—EQUIPMENT AND SUPPLIES**  
Vergilina, L. Z. [Ceramic pulps] Keramicheskie detubirovnye kamni. Moskva, Tsent. nauchno-issl. i informats. i tekhniko-ekon. issledovaniy po lesnoj, tselulozno-bumazhnoj, der. i obrabotk. i yalushchei promyshl. i lesnomu khoz. 1966. 35 p. (Bumaga i tselluloza)
- [MICROFILM]**
- PAPER INDUSTRY—LABOR PRODUCTIVITY**  
Increase of labor productivity is a daily concern; editorial. Bum. i der. prom. 37 no. 4-1-2 Ap '66
- PAPER INDUSTRY WORKERS**  
Standard list (nomenclature) of posts to be filled by specialists in the enterprises of the woodpulp and paper industries, A. P. Ivanov. Trudy VNIIB no 51-257-273 '65
- PAPERBOARD**  
(see also subdivision under Yevlakh, Azerbaijan)  
Evenness of the weight of 1 m<sup>2</sup> and physical and mechanical properties of cardboard pressed on a multicylinder machine, H. M. Bohomol. Lis. hosp. i lin. pap. i der. prom. no. 6 14-16 N-D '66
- PAPERBOARD—TESTING**  
Use of statistical methods in checking the apparatus for physical and mechanical testing of paper and cardboard, A. N. Chamova, N. V. Golub. Shor. trud. UkrNIIB no. 7 116-159 '66
- PAPERBOARD INDUSTRY**  
Study of the stems of the cotton plant as raw material for the production of cardboard, N. I. Malakhova, A. I. A. Frank. Shor. trud. UkrNIIB no 7 60-71 '66  
Use of latexes in the manufacture of paper and cardboard, E. V. Konstantinova, Z. V. Uchashtkina. Trudy VNIIB no 51-250-256 '65
- PAPERMAKING MACHINERY**  
Adjustment of automatic screen and felt guides, A. S. Shamov. Shor. trud. UkrNIIB no 7 115-121 '66  
Calculating the cooking time of the reed mass in the "Pandilla" type continuous digester, B. A. Gaevelik. Shor. trud. UkrNIIB no 7 134-139 '66  
Electrodynamic condenser as converter of weak direct currents, V. I. Pankratov, I. T. Prilipko. Shor. trud. UkrNIIB no 7 122-133 '66  
On the road for the speeding-up of technological progress, B. P. Krainov. Bum. i der. prom. 37 no. 4-20-21 Ap '62  
Operation of the regulators of the paper stock concentration, G. E. Finkel'shteyn, A. F. Tishchenko. Bum. i der. prom. 37 no. 4-25-26 Ap '62
- PAPERMAKING MACHINERY—ELECTRIC DRIVING**  
Study of the regulation system of the electric drive of a papermaking machine with a fast-action amplifier, I. E. Vukov, R. N. Zakharova, M. G. Krivitsun. Trudy VNIIB no 51-105-132 '66
- PAPILIONIDAE** see subdivision under Kanchatka
- PAPPATACI FEVER**  
Conference on diseases transmitted by sand flies, T. I. Dergacheva, L. N. Eliseev, O. I. Keilina. Med. paraz. i paraz. bol. 31 no. 5 631-637 S-O '62
- PARACHUTING**  
(see also subdivision under Katyuzhanka, Ukraine)  
Execution of vertical figures, T. Tkachenko. Kryl i od. 17 no. 9-17 S '66
- PARAFFIN WAX**  
(see also subdivision under Lenin Oil Field)  
Effect of output flow on well head temperature and intensity of paraffin deposition in flowing wells, B. M. Suchkov, A. M. Kizima. Neft. i gaz. 11 15-19 '66  
Using surface-active agents for preventing wax precipitation in tank cars, G. E. Lerke, V. P. Svildov, I. U. A. Skovorodov. Transp. i khim. nefli. i nefteprod. no. 10 14-16 '66
- PARAFFINS**  
Effect of growth temperature on paraffin requirement by Candida tropicalis yeast, I. N. Pormogova, N. S. Kuratov. Prikl. biokhim. i mikrobiol. 2 no. 6 640-643 N-D '66  
Equilibrium dissociation reactions of alkane molecules into radicals, V. A. Ulitskiy. Neft. i gaz. 11 650-654 S-O '63  
Equilibrium reactions of the molecular disproportionation of alkanes and alkenes with the formation of alkyl radicals, V. A. Ulitskiy. Neft. i gaz. 11 655-658 S-O '63  
Gas-liquid chromatography of C<sub>5</sub>—C<sub>7</sub> alkanes, A. N. Korol'. Neft. i gaz. 11 643-641 S-O '63  
Plant tests of a unit for preventing paraffin deposition on tanks bottoms, L. S. Abramzon and others, Neft. i gaz. 11 no. 6 61-65 S '63  
Possibility of obtaining surfactants from a paraffin filtrate, R. G. Makti, P. E. Oleksin. Neft. i gaz. 11 no. 3, 61-62 JI-S '63  
Sorption of C<sub>6</sub>—C<sub>10</sub> n-alkanes on CaA zeolite at high temperatures and pressures, P. N. Galich, V. P. Mueisenko, A. V. Tabakov. Ukr. khim. zhurn. 32 no. 12 1299-1301 '65  
Synthesis of 2,2-dimethylalkane alcohols and aldehydes, L. A. Shuliyova and others. Trudy VNIISNDV no 7 16-20 '65  
Temperatures of the formation of carbamide complexes with individual normal alkanes (C<sub>6</sub>—C<sub>10</sub>) and their binary mixtures, V. A. Matishov. Khim. i tekhn. topl. i masel. 11 no. 11-18-22 N '66
- PARAFFINS—THERMAL PROPERTIES**  
Heat capacity of some paraffin hydrocarbons in the liquid state, A. K. Abbas-Zade, A. G. Akhmedov. Dokl. AN Azerb. SSR 18 no. 4 16-19 '62
- PARAGANGLIA** see Chromaffin system
- PARAGENESIS**  
Using paragenetic analysis in geological surveying, B. M. Roncovan. Min. syr'e no. 14, 65-126 '66
- PARAGONIMIASIS**  
Clinical aspects and treatment of paragonimiasis, V. S. Novikov. Med. paraz. i paraz. bol. 31 no. 5-562-507 S-O '62
- PARALLAX—MOON**  
Reduction of geocentric latitude to sea level, A. A. Mikhailov. Astron. zhur. 43 no. 6 1313-1316 N-D '66
- PARALYSIS**  
Influence of carbonic anhydrase inhibitors on the effect of different myoelectric, A. I. Podlesnaya. Trudy LPMI no. 32 120-125 '65
- PARALYSIS, SPASTIC**  
Mezhenina, E. P. [Cerebral spastic paralyzes and their treatment] Tserbral'nye spasticheskie paralichy i ikh lechenie. S predisl. i pod red. M. N. Goncharov, Kiev, Zdorov'ya, 1956. 224 p. (DNLM)
- PARALYSIS AGITANS**  
Bulgarian antiparkinsonism preparations with a new mechanism of effect, G. Ganev, L. Karanaskov, M. Tsekova. Zhur. nevrol. i psikh. 66 no. 12 1064-1069 '66  
Effect of large doses of extract from the belladonna root, used in the treatment of Parkinson's disease, on peroxidase detection. Report No. 1. Determination of the peroxidase in the skeletal muscles of mammals under normal conditions and following belladonna injection, I. A. K. Ostipova. Dokl. AN BSSR 6 no. 9-598-600 S '62
- PARAMAGNETIC RESONANCE AND RELAXATION** see Electron paramagnetic resonance
- PARAMETRIC AMPLIFIERS**  
Coupling system with fast cyclotron in the form of coupled resonators, V. I. Kanavets, V. G. Rassadin, A. S. Roshal'. Izv. vys. ucheb. zav.; radiotekh. 0 no. 5-622-628 S-O '66
- PARASITES—ANSERIFORMES** see subdivision under Chukchi Peninsula
- PARASITES—BIRDS** see subdivision under Moldavia
- PARASITES—CANIDAE** see subdivision under Moldavia
- PARASITES—CARP**  
Phthorhiza infestation of carp, G. V. Vasil'kov. Veterinaria 13 no. 1 62-61 Ja '67
- PARASITES—CATTLE**  
(see also subdivision under Omsk Province)  
Problems in the epizootology of ornithophilous species of ruminants, D. A. Arinov. Veterinaria 43 no. 11 50-52 N '66  
Purified bituminol as effective anthelmintic in parasitology, N. G. Fedotchenko. Veterinaria 43 no. 12 39-40 D '66
- PARASITES—DOMESTIC ANIMALS**  
Development cycle of Gastrothylax crumenifer and prophylaxis of its infestation, V. F. Nikitin. Veterinaria 43 no. 12 37-39 D '66
- PARASITES—DORMICE** see subdivision under Moldavia
- PARASITES—DUCKS** see subdivision under Siberia, Western
- PARASITES—FISHES** see subdivision under Dubossary Reservoir, Khatanga River, Moldavia
- PARASITES—GAME AND GAME BIRDS** see subdivision under Tuva A. S. S. R.
- PARASITES—GERDILS**  
Method of studying the Phlebotomus dispersa from the colonies of the greater gerbil, T. I. Dergacheva. Med. paraz. i paraz. bol. 31 no. 5-617 S-O '62
- PARASITES—GOATS** see subdivision under Orenburg Province
- PARASITES—GREBES** see subdivision under Kamchatka
- PARASITES—JERBOAS** see subdivision under Ukraine
- PARASITES—LOONS** see subdivision under Kamchatka
- PARASITES—MAMMALS** see subdivision under White Russia
- PARASITES—MOOSE**  
(see also subdivision under Moscow Province, Oka Terrace Preserve)  
Results of helminthological studies on moose in Murmansk and Leningrad Provinces, V. G. Gagarin, M. S. Nazarov. Biol. i prom. i lesa no. 7 214-239 '65
- PARASITES—MUSKRATS** see subdivision under Moldavia
- PARASITES—POULTRY** see subdivision under Moldavia
- PARASITES—RODENTS**  
Accelerated method of parasitological inspection of the holes of rodents, I. V. Moizov. Trudy Gos. nauch.-issl. protivochum. inst. 16:203-205 '59
- PARASITES—SHEEP**  
Effect of miltic and promitric on sheep, A. D. Naclik, N. N. Vetsik. Veterinaria 43 no. 12 48 D '66  
Nematodiosis infestation of sheep, M. I. Ustakal'skaya, A. L. Mitina. Veterinaria 43 no. 12 41-15 D '66  
Some problems of the pathogenesis of dirocoeliasis, S. I. Aliev. Veterinaria 43 no. 12 41-42 D '66
- PARASITES—TICKS**  
Discovery of Francisella tularensis in Dermacentor marginatus Sulz. organisms by luminescence microscopy method, V. G. Petrov, E. V. Ananova. Zool. zhur. 45 no. 11 1612-1616 '66
- PARASITOLOGY—BIBLIOGRAPHY** see Bibliography—Parasitology
- PARASITOLOGY—CONGRESSES**  
Conference of directors of institutes of medical parasitology and tropical medicine, heads of the parasitological departments of epidemiological and hygienic institutes and of republic and province sanitary-epidemiological stations, S. I. A. Sarikyan, V. K. Grasis, R. L. Kuznetsov. Med. paraz. i paraz. bol. 32 no. 2 241-248 Mr.-Ap '63
- PARASYMPATHETIC NERVOUS SYSTEM** see Nervous system, Parasympathetic
- PARASYMPATHOLYTIC AGENTS**  
Cholinergic mechanism of the cortical activation, G. D. Smirnov, R. U. Tishchenko, Fiziol. zhur. 48 no. 10 1141-1145 O '62  
Intensification with cholinolytic agents and weakening with eversin of disorders of conditioned response induced by phenamine, E. L. Shchelkanov. Zhur. vrs. nerv. deiat. 13 no. 4 740-747 JI-Ag '63



## PARASYMPATHOMIMETIC AGENTS

Species differences in the reaction of cholinergic and adrenergic structures of the brainstem N A Kharau-zov Trudy LPMI no 37 163-169 '65

Therapeutic activity of quaterlon in peptic ulcer A R Iazbitch, F S Riva Sov med 26 no 3 35-38 M '63

## PARATHYROID GLANDS—DISEASES

Chronic hypocalcemic encephalopathy in idiopathic hypoparathyroidism P Oshchikova, R Ruchev, K Kostov Zhur nevrologiya 86 no 12 1782-1788 '66

## PARATHYROID GLANDS—SURGERY

A case of hyperparathyroid osteodystrophy treated for a long time following a parathyroid gland adenoma excision M Z Sigal Probl endok gorm 9 no 1 66-69 Ja-T '63

## PARATHYROID GLANDS—TUMORS

A case of hyperparathyroid osteodystrophy treated for a long time following a parathyroid gland adenoma excision V Z Sigal Probl endok gorm 9 no 1 66-69 Ja-T '63

## PARATYPHOID DISEASES IN ANIMALS

Abolition of paratyphoid origin in a heifer herd N O Belousov Veterinariia 13 no 12:11-12 D '66

Importance of short-interval vaccination against hog cholera, paratyphoid fever, and swine plague for the preservation of swine on farms with hog cholera infection and hazard I V Oksentsov, G I Epifanov, G I Panin Sbor nauch rab SibNVI no 11 125-130 '62

Testing the therapeutic and prophylactic properties of furazolidone in paratyphoid fever of ducklings P S Butyagina, V G Lashukov Sbor nauch rab SibNVI no 11 149-151 '62

## PARATYPHOID FEVER

Experimental reproduction of paratyphoid D (Schottmüller's disease) in monkeys; author's abstract Z K Stanilevich Zhur mikrobiol., epid i immun. 33 no 6:95 Je '62

Principles and preliminary experience with the use of furazolidone, a nitrofurantoin preparation in the treatment of typhoid and paratyphoid diseases M M Bud'ko, A I Dlinger, L S Chekmaeva Zhur mikrobiol., epid i immun 33 no 6:142-144 Je '62

## PARATYPHOID FEVER—MICROBIOLOGY see sub-division under Khghizistan

## PARENT AND CHILD

The children's happiness is in our hands V Kilmushina Doshk vosp. 39 no 17 19-51 D '66

Closer to the sun V Valiev Doshk vosp. 39 no 12 28-30 D '66

Duties of fathers B Petukhov Agitator 34 no 24:26-31 D '66

Half an hour in the morning M Panich Sem'ia i shkola 21 no 11:9-11 N '66

An indifferent person is not a companion for the road I Gorodetskaya Doshk vosp. 39 no 12 21-28 D '66  
I en'ka Alfa Belakova Sem'ia i shkola 21 no 12:18-22 D '66

Ochakovskaya, L S. [Conversation on a touchy theme] Razgovor na ostru temu Moskva, Znanie, 1966, 76 p. (Narodnyi universitet Pedagogicheskii fakul'tet, no 10) We have to train our replacement K Minin Sem'ia i shkola 21 no 11:30-37 N '66

Where is the root of the trouble? A Nikolacheva Doshk vosp. 39 no 12 26-28 D '66

## PARIS—COMMUNE, 1871

A space ship flies over the barricade of the Père Lachaise cemetery V Chachin Mol komm. no 3:50-52 Mr '61

## PARIS—SUBURBS AND ENVIRONS

In a Paris suburb E Shul'ukin Nov vrom. 25 no 2: 25-27 Ja '67

## PARKHOMENKO, ALEKSANDR IAKOVLEVICH, 1880-1921

A proletarian military leader G Tolokolnikov Voen i let zhur. 8 no 12:117-119 D '66

## PARODIES

The element of parody as reflected in the style of L N Tolstol (War and Peace) I E Grineva Uch zap Kal gos ped inst 43:3-21 '65

## PAROLE

Some unsolved procedural problems in release on parole V Mal'gin Sots zakon. 43 no 12:54-56 D '66

## PAROTID GLANDS—TUMORS

Combined treatment of "mixed" tumors of the parotid gland A D Goznyi Vop onk. 12 no 11:97-100 '66

## PARTHENOCARPY

Occurrence of natural parthenocarp in plants with dry fruit I E L Kordium Uki bot zhur. 20 no 1:21-28 '63

## PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

## PARTICLE ACCELERATORS

Coefficient of particle capture in accelerator A S Bakai Atom energ 21 no 5 503-504 D '66

Linear induction accelerator A I Anatskin and others Atom energ 21 no 5 430-415 D '66

Regularization of longitudinal instabilities in storage devices by means of feedback system E A Zhit'kov, A N Lebedev Atom energ 21 no 5 505-508 D '66

## PARTICLE BOARD

Automatic line of facing particle boards B P Turekhov, Der prom 13 no 12 18-20 D '66

Compression diagrams for particle boards D A Shehed-10 Der prom 15 no 12 11-12 D '66

Economic effectiveness of the use of particle and fiber-boards I U T Voronkov, E S Gukhtan Der prom 15 no 12 16-17 D '66

Facing particle boards with laminated paper-based plastics I A Smirnov Der prom 15 no 12 1-5 D '66

Use of gypsum resin for the manufacture of extremely hard particle boards A M Zamyshliava, G A Dmitrieva Der prom 15 no 12:21-25 D '66

## PARTICLE BOARD—TESTING

Strength of the middle corner joints of particle boards A I Anson, V T Kachen Bum i der prom. no 3 46-51 Ji-S '62

## PARTICLE SIZE DETERMINATION

About the term "boundary grain" A I Povalov, Obog. rud 11 no 3 22-24 '66

Effect of the granulometric composition of raw mixtures on the formation of clinkers V V Vol'kov, I U M But, V V Timashev Trudy MKHTI no 41 147-154 '63

Microelements in granulometric spectra of cover sediments of White Russian Polesye K I Lukashov and others Dokl AN BSSR 10 no 10:750-762 O '66

## PARTICLES (NUCLEAR PHYSICS)

Quantities for Green's functions in Coulomb systems with collisions V N Mel'nikov, Dokl AN SSSR 171 no 5 1072-1075 D '66

## PASSIVATION

Effect of surface-active substances on structure of passivating layer of lead sulfate T G Iampol'skaya and others Elektrokhimia 2 no 11 1327-1330 N '66

Kabanov, B N. [Electrochemistry of metals and adsorption] Elektrokhimia metallov i adsorbtitsia Moskva, Nauka, 1966, 221 p

Particular features of iron passivation in sulfate solutions L I Fichtman, I A M Kolotykin Dokl AN SSSR 171 no 5 1138-1141 D '66

## PASTEUR, LOUIS, 1822-1895

"Pasteur" by M I Anovskaya, I U I Milenushkin, Mikrobiologiya 31 no 2:373-376 Mr-Apr '62

## PASTEURELLA

Characteristics of polysaccharide-containing fractions of plague microbes L D Bakhrakh, V D Egorova, L P Pavlova Zhur mikrobiol., epid i immun. 33 no 6: 126-130 Je '62

Effect of Pasteurella pestis toxin on the histaminopexic effect of the blood in white rats and guinea pigs I V Domaradskii, V L Krupenina. Biokhimiya i med. 56 no 5:18-51 My '63

## PASTEURELLA—CULTURES AND CULTURE MEDIA

Study of the behavior of cultures of Pasteurella pseudotuberculosis isolated in Leningrad on a differential medium suggested by the Irkutsk Institute A P Andreeva and others Trudy Gos nauch issl protivo-chnik inst 16:101-108 '59

Study of the chemical nature of the growth stimulant of plague bacilli isolated from lysates of the "Sretna medium" V L Pastovalov, K S Karpuzidi Trudy Gos nauch issl protivochnik inst 16:71-79 '59

Use of casein hydrolysate agar as a medium for the production of dry live plague vaccine (strains 1 and 17) S I Zaplatina and others Trudy Gos nauch issl protivochnik inst 16:81-87 '59

## PASTURE RESEARCH

Gorsikova, A A. [Biology of steppe pasture plants in Transbaikalia] Biologiya stepnykh pastbishchinykh rastenii Zhabkhal'ia Moskva, Nauka, 1966, 271 p. (DNL)

## PASTURES AND MEADOWS

(see also sub-division under Altai Territory, Khghizistan; Siberia; White Russia)

Increase the productivity of grasslands I Garkusha, S Rachkevich Zemledelo 28 no 12 18-19 D '66

Let us organize perennial pastures D Varlamov, V Chebyshev, A Varlamova Zemledelo 28 no 12 17 D '66

## PATENT LAWS AND LEGISLATION

Discussion on the protection of firm's name in a Soviet court G S Rubezhov Vop izobr. no 8:21-23 Ag '66

Novelty of an invention and author's remuneration I A Ozvits Vop izobr. no 8:7-8 Ag '66

Requirements in the drawing-up of designs in compiling applications for industrial specimens Vop izobr. no 8:36-37 Ag '66

## PATENT LAWYERS

Qualification of Soviet patent specialists R I Gaidenko Vop izobr. no 8:33-36 Ag '66

## PATENTS

Answers to questions Vop izobr. no 8:38-39 Ag '66

[Inventions, industrial samples, trademarks] Izobr., prom obiaz, tov znak. nos 1-2 '67

New trends in patents Vop izobr. no 8:46-47 Ag '66

Study patent documentation and speed up technological progress Kh Askaniy Avt transp 41 no 7 41-15 Ji '63

## PATENTS—ABSTRACTING AND INDEXING

Experiment on automatic indexing of publications from "Official Gazette" V Z Shenderov Vop izobr. no 8:27-29 Ag '66

## PATENTS—CLASSIFICATION

Tsentral'nyi nauchno-issledovatel'skii institut patentnoi informatsii i tekhniko-ekonomicheskikh issledovaniy, [International patent classification] Mezhdunarodnaya patentnaya klassifikatsiya (MPK), 1-4, 1-4, 1-4, 1-4, Moskva, 1966, 61 p

[MICROFILM]

## PATENTS—INFORMATION SERVICES

Activity of libraries and the All-Union Society of Inventors and Innovators in the promotion of patent literature A N Morozov Vop izobr. no 8:24-26 Ag '66

## PATENTS (INTERNATIONAL LAW)

Imported patents I A Zenin Vop izobr. no 8:9-16 Ag '66

Proceedings of the examination of applications in socialist countries L A Trakhtengits Vop izobr. no 8:17-20 Ag '66

## PATHOGENIC BACTERIA see Bacteria, Pathogenic

## PATHOGENIC FUNGI see Fungi, Pathogenic

## PATHOGENIC PROTOZOA see Protozoa, Pathogenic

## PATHOLOGICAL ANATOMY see Anatomy, Pathological

## PATHOLOGICAL PSYCHOLOGY see Psychology, Pathological

## PATHOLOGY

Diagnostic significance of radiolotope scanning of the liver in some endocrine and other diseases Trudy 1-go MIH 43:165-170 '65

## PATHOLOGY, CELLULAR

Biology of the cancer; a survey of Cancer Research Congress A D Timofeevskii Vop onk 9 no 3:3-8 '63

Characteristics of cell line of Wilms' tumor in vitro A V Dolynin, L E Okukhova, E E Mirzajan Vop onk 12 no 11:30-38 '66

Characteristics of post-edition death of differentiating mei cells Report No 2: Study of newborn white rats I U V Korogodina, V M Dubrovina Radiobiologiya 6 no 6:875-879 '66

## PATRICE LUMUMBA FRIENDSHIP UNIVERSITY

A preparatory school for foreign students E I Motina Vest. vysshshykh 24 no 12:32-34 D '66

## PATRIOTISM

Proletarian internationalism and socialist patriotism V Gabunia Mol komm. no 11 31-40 N '61

A roll call of generations O Kalintaev V I Anefia Sem'ia i shkola 21 no 12:35-36 D '66

## PATRONITE see sub-division under Uzbekistan

## PAUZHETKA VALLEY—THERMAL WATERS

Formation of new boiling mud pots in the Pazuhtka thermal field and changes in the activity of the boiling springs V M Sugrovov Vop geog Kamch 3:109-111 '65

## PAVEMENTS

Pavements made of materials reinforced with cement V M Mogilevich, A E Smirnov Avt dor 29 no 12: 3-4 D '66

## PAVEMENTS—DESIGN AND CONSTRUCTION

Design of nonrigid pavements Dang Hyu Avt dor. 29 no 11:28-29 N '66

## PAVEMENTS—MEASUREMENT

Equipment for measuring the microprofile of a pavement N N Litzenko and others Avt dor. 29 no 12:18-19 D '66

## PAVEMENTS—TESTING

Testing nonrigid pavements. V. I. Buzdov, I. M. Likhov. *Izv. Vuzov* 29 no 11 26-27 N '66  
Work of pavements. F. V. Ust'mev. *Izv. dok.* 29 no 12 6 D '66

## PAVLINOV, PAVEL IAKOVLEVICH, 1881-

P. I. Pavlov as artist and theoretician. N. Gorichenko. *Izvestiya* 29 no 10 52-57 '66

## PAVLODAR PROVINCE—PLANTS, PROTECTION OF

In Pavlodar Province. N. Brikunov, Zashch. rast., 11 no 11 42 '66.

## PAVLODAR PROVINCE—SHEEP—DISEASES AND PESTS

Vibriosis of sheep in the northern zone of Kazakhstan. A. V. Gultov and others. *Veterinariia* 43 no 12: 25 D '66.

## PAVLOV-SIL'VANSKII, NIKOLAI PAVLOVICH, 1869-1908

N. P. Pavlov-Sil'vanskii's materials in the archives of Leningrad. V. V. Muzar'ev. *Trudy MGAI* 22:275-292 '65.

## PAYMENT

Improvement of payments for construction and assembly work. P. D. Pudshvalenko. *Uch. zap. kaf. sov. ekon. Vys. shkoly* no 3 121-171 '64

Practice in introducing payments for the finished buildings and structures. S. L. L. *Ekon. sbor.* 8 no 12 41-45 D '66

## PEAS—FERTILIZERS AND MANURES see subdivision under Rostov Province

## PEAS—HARVESTING

Mechanized harvesting of peas. V. Chechia, A. Stepanova. *Trudy GIKHNTS'F* 11a 8 no 2 79-88 '62

## PEASANT UPRISINGS

[see also subdivision under Ukraine]  
Problems in the history of the Russian peasant war as discussed in Soviet historical studies, 1917-1934. L. V. Volkov. *Trudy MGAI* 22:151-171 '65.

## PEASANTRY

[see also subdivision under Bryansk region, Great Britain, Tajikistan, Ural Mountain region, Zakataly region, Azerbaijan]

Characteristics of the social differentiation of Russian peasants in the 17th and 18th centuries as discussed in Soviet historical studies. A. I. Komisaruk. *Trudy MGAI* 22:133-149 '65.

## PEAT

[see also subdivision under Polesye, Siberia, Western]

Aleksaeva, V. A., and N. N. Kol'ba. [Use of peat for litter; as exemplified by the "Gomontovo" State Farm] *Is-pol'zovanie torfa na podstikku, na opyte selkhozha "Gomontovo"* Leningrad, Kolos, 1965. 47 p. (DNAL)

## PEAT—ANALYSIS

Data mining ash elements in peat by complexometric method. T. F. Vardanjan, O. B. Gasparian. *Sov. Lab. agr. khim.* AN Arm SSR no 4:90-102 '61

## PEAT—DRYING

Radiometer method of studying thermal moisture transfer in the drying of crumb-like materials in thin layers on wet ground. M. P. Volovrovtch, N. I. Gomalunov, V. I. Smirnov. *Koll. zhur.* 28 no 6:611-616 N-D '66

## PEAT—THERMAL PROPERTIES

Study of mechanism of raising quality of heat insulating slabs of peat using thermal treatment. I. I. Likhvan, G. V. Meshakina. *Izv. vys. ucheb. zav., strol. i arkhit.* 9 no 9 61-66 '66

## PEAT BOGS see subdivision under Latvia

## PEAT GASIFICATION

Aromatization of peat coke. N. D. Drozhzhina, V. E. Rakovskii. *Koks i khim.* no 10:32-35 '66.

## PEAT INDUSTRY

Industrial production of peat litter; scientific and technical conference. Inform. blud VDNKH no 8:11 Ag '62.

Return of land. *Zemledelie* 28 no 11:55 N '66

## PEAT MACHINERY

Karal'din, F. F., and V. I. Iarovitsyn. [Handbook on anti-friction bearings for equipment and machines used in the peat industry] *Spravochnik po podshpnikam kucha-nia dia oborudovaniia i mashin torfianoi promyshlennosti.* Moskva, Nedra, 1966. 147 p.

## PEAT SOILS

[see also subdivision under Armenia]

Effect of tillage methods on the change in moisture and aeration conditions of the plow layer of peat soils differing in the degree of drainage. M. N. Mostovyi. *Vod. khoz.* no 4:81-90 '66.

Using means of hydromechanization for working stumpy peat soils. S. P. Ogorodnikov, A. A. Kalerin. *Izv. vys. ucheb. zav., strol. i arkhit.* 9 no 9 72-77 '66

## PECAN see subdivision under Georgia

## PECHENGA REGION (MURMANSK PROVINCE)—ROCKS—ELASTIC PROPERTIES

Studying elastic properties of rocks from Pechenga region of Kola Peninsula, under high pressures, in connection with its structure in depth. N. F. Gaidin. *Trudy Inst. fiz. Zem.* no 37 66-97 '66

## PECHORA BASIN—COAL MINES AND MINING—LABOR PRODUCTIVITY

Increasing economic efficiency of production is the main objective of miners of Vorkutugol' Combine. B. N. Ignat'ev, L. D. Blud. *Ugol'* 41 no 12:5-8 D '66

## PECHORA BASIN—FROZEN GROUND

Formation of mine waters under conditions of discontinuous distribution of permafrost, as revealed by study made in Yun'yanga deposit of Pechora coal basin. I. A. Kozhina, N. B. Kokunov, B. I. Iakovlev. *Sov. geol.* 9 no 11 103-112 N '66.

## PECHORA BASIN—MINE WATER

Formation of mine waters under conditions of discontinuous distribution of permafrost, as revealed by study made in Yun'yanga deposit of Pechora coal basin. I. A. Kozhina, N. B. Kokunov, B. I. Iakovlev. *Sov. geol.* 9 no 11 103-112 N '66

## PECHORA REGION (KOMI A. S. S. R.)—MANUSCRIPTS

Manuscript trip to the Pechora region of the Komi A. S. S. R. in 1960. D. M. Balashov. *Trudy ODRL* 18 420-425 '62.

## PECHORA VALLEY—RUNOFF

Characteristics of atmospheric pressure and circulation in years with abnormalities in the water supply of the Kama, Pechora, and Vychegda Rivers. L. A. Zhitkovich. *Vest. Mosk. un. Ser. 5, Geog.* 21 no 6:93-95 N-D '66

## PECHORO-LYCH PRESERVE—MOOSE—DISEASES AND PESTS

Moose breeding hygiene. M. V. Kozhukhov. *Biol. i prom.* Iosla no 2:162-218 '63.

## PECTINASE

Kalaeva, A. A., and L. N. Mendel'son. [Purified enzymatic preparations of pectinase in wine production] *Ochishcheniye fermentnykh i apparaty pektinazy v vinodel'stvenom proizvodstve.* Moskva, TsNIYIPishcheprom, 1965. 31 p.

[MICROFILM]

## PECTOCELLULOSE

Demonstration of "free space" of pecto-cellulose membranes by means of negative contrast of ultrathin sections. R. K. Shtat'v, M. P. Sakhnev, B. K. Iakimov. *TSitologiya* 8 no 5 645-618 S-O '66.

## PEDIATRICS

Basic aspects of scientific research in the field of pediatrics during 1950-1961 and further tasks of the pediatric science. M. I. Studenikin. *R. A. Kaluzhina. Vest. AMN SSSR* 17 no 10:3-14 '62

Shamsiev, S. Sh. [Clinical electrocardiography in children] *Klinicheskaya elektrokardiografiya u detei.* Tashkent, Meditsina, 1966. 217 p. (DNLM)

## PEGMATITES

[see also subdivision under Mama region, Irkutsk Province, Zhabulak Mountains]

Characteristics of inner structure of mica-bearing pegmatites. I. V. Davidenko. *Min. syz'de* no 14:44-64 '66.

Guide elements from mica-bearing pegmatite veins. I. U. P. Smirnov. *Razv. i okhr. ned.* 28 no 3:17-20 Mr '63

Metasomatic origin of epidurization in pegmatites. A. P. Kochnev. *Geol. i geofiz.* no 9:150-153 '66

## PELVIC PLEXUS

Structure of the pelvic neural plexus in man. I. U. P. Mel'tman. *Dop. AN URSR* no 7:952-955 '63

## PELVIS—FRACTURE

New clinical symptom in fractures of the pelvic bones. P. S. Diachuk. *Traumatologiya* no 1:197-198 '65.

## PEMPHIGUS

Pemphigus of the mucous membranes of the upper respiratory tract. S. M. Sultanova. *Azerb. med. zhur.* 40 no 2:82-86 F '63.

## PENICILLIN

Changes in the permeability to penicillin of the hemato-encephalic barrier in rabbits in experimental staphylococcal infection. E. Rudzilis. *Pat. fiziol. i eksp. terap.* no 3:82-83 '64.

Induction of synthesis of staphylococcal penicillinase by substances related to penicillins. S. M. Chaikovskaya and others. *Antibiotiki* 11 no 11 992-998 N '66.

Penicillin content in the blood following experimental intravenous intramuscular injection. L. P. Zhavoronkova, V. I. Gvindzhilika. *Eksp. i klin. i nast.* 8 no 6:51-54 N-D '63

## PENICILLINASE

Induction of synthesis of staphylococcal penicillinase by substances related to penicillins. S. M. Chaikovskaya and others. *Antibiotiki* 11 no 11 992-998 N '66

## PENICILLUM—CULTURES AND CULTURE MEDIA

Organophosphorus compounds of *Penicillium chrysogenum*, phosphorus of which is determined as orthophosphate. I. S. Kulacv and others. *Dokl. AN SSSR* 171 no 2 173-176 N '66

## PENIS

Intestine lymphatic system of the human penis. B. A. Sph. in. *Arkh. anat., gist. i embr.* 44 no 3 68-80 Mr '63.

Structure of penis in marmosets. V. P. Chervinskaya. *Zool. zhur.* 45 no 11 1712-1719 '66.

## PENSIONERS

Place in life. I. U. Osipov. *Sots. obsch.* 41 no 12:16-21 D '66

## PENSIONERS

[see also subdivision under Hungary; Ulyanovsk, Yelani-Kamyshinskiy, Volgograd Province]

Steps are taken, but... S. Smirnov. *Sots. obsch.* 41 no 12 53-55 D '66

## PENTADECANOLIDE

Macrocyclic compounds. Part 7: Synthesis of cyclopentadecanone (c. 100) and penta-decanolide (thiolide). E. P. Zhukovskiy and others. *Zhur. org. khim.* 2 no 11: 2028-2031 N '66

## PENTADIENE

Polymerization of 4-methyl-1, 3-pentadiene and structure of polymers. I. A. Livenits, V. I. Stepanova. *Vysokom. soed.* 8 no 10:1773-1777 O '66.

## PENTANE

New method for obtaining 1, 4-dibromopentane. O. S. Stepanova. *Khim. prom. (Ukr.)* no 3 36-38 Ji-S '62

Resources of pentanes for chemical processing. A. I. Rubina, V. I. Kuz'min. *Trudy IGK* 18:201-205 '62.

## PENTANEDIAMINE

The course of the placental stage in labor pathology using pachyceph. isomer in and promedol. N. R. Kokilenko. *Sov. med.* 26 no 3:58-61 M '63.

## PENTECOSTAL CHURCHES—CONTROVERSIAL LITERATURE

Eveeov, G. [Ivan and Maria and Christ] Ivan da Maria [Khristos]. Saratov, Pilyolzhskoe knizhnoe izd-vo, 1966. 109 p.

Moskalenko, A. T. [Pentecostals] *Pintdofatniki.* Moskva, Polifizdat, 1966. 223 p. (Biblioteka "Sovromnyye religii")

## PENTENE

Catalytic polymerization of allyl benzene. 4-phenylbutene-1, 5-phenylpentene-1, 5-phenylpentene-1, and 4-allyl-naphthalene. A. V. Topchek, V. N. Andronov, G. I. Chernyi. *Neftekhimiya* 3 no 3:725-736 S-O '63

## PENTENONE

Odorless substances from mesityl oxide and aromatic hydrocarbons, preliminary report. G. E. Svadkovskaya. A. I. Platova. *Trudy VNIISNDV* no 7 35-36 '65.

## PENTENYNE

Amines and ammonium compounds. Part 10: Synthesis of tertiary amines containing α-substituted 4-penten-2-ynyl group. A. T. Babafan, K. TS. Tagmazan, E. S. Ananin. *Zhur. org. khim.* 2 no 11:1084-1086 N '66

## PENTOBARBITAL—PHYSIOLOGICAL EFFECT

Effect of substances interacting with cholinergic and adrenergic structures on nembul tenor in guinea pigs. N. V. Usakova. *Trudy LPMI* no 32:150-164 '65.

## PENTOSANS

Chemical composition of spring wheat straw. A. P. Zabolina, M. I. Goriaev. *Gidroliz. i lesokhim. prom.* 15 no 4:12-13 '62.

## PENTOSE PHOSPHATES

Some indices of pentose phosphate cycle in acute radiation sickness of dogs. R. V. Trebukhina. *Radobiologiya* 8 no 5:765-768 '66.

## PENZA PROVINCE—COMBINES (AGRICULTURAL MACHINERY)—PRODUCTION STANDARDS

There is need for justified output norms. V. Druzhinin. *Ekon. sovkhoz.* 42 no 11:90-91 N '66.

## PENZA PROVINCE—MOTION-PICTURE FILM COLLECTIONS

A self-organized motion-picture library. E. Lobanov. *Nar. obi.* no 12:78-79 D '66

## PEOPLE'S DEMOCRACIES

Chirkov, V. E. [Forms of the state in the phase of transition to socialism] *Formy gosudarstva, perekhodnogo k sotsialisticheskomu tipu.* Moskva, Uizd, 111-112, 1966. 222 p.

**PEPTIC ULCER**  
Chronic gastric and duodenal ulcers. D. A. Arapov. Trudy Inst. im. N. V. Sklif. 7 10-17 '63

Combination of ulcerous gastrointestinal hemorrhages with perforated ulcers. E. V. Lutshevich. Sov. med. 26 no. 3:32-35. M. '63

Comparative evaluation of late results of suturing and resection in perforating gastric and duodenal ulcers. E. L. Grinshpan. Trudy Inst. im. N. V. Sklif. 7 58-61 '63

Dynamics of changes in the intragastric lymphatic system of the canine stomach in experimental ulcer. N. A. Krut'eva. Arkh. anat., gist. i embriol. 14 no. 3:108-114. M. '63

Electric potentials of the brain in gastric and duodenal ulcers. E. S. Lokshina. Trudy Inst. im. N. V. Sklif. 7 42-53 '63

Erosions and acute ulcers of the stomach and duodenum according to the materials of the pathoanatomical section. V. F. Kallitchevskaya. Trudy Inst. im. N. V. Sklif. 7 100-106 '63

Gastroenterocolic fistula and its surgical treatment. D. A. Arapov, N. S. Viteshev. Khirurgiya. 9 no. 2:24-29. F. '63

Hemorrhage from gastric and duodenal ulcers. B. Baita-caya. Trudy Inst. im. N. V. Sklif. 7 74-76 '63

Immediate and late results of suturing perforating gastroduodenal ulcers. Z. I. Beafanil'mana. Trudy Inst. im. N. V. Sklif. 7 95-97 '63

Information gained by repeated operations on the stomach in peptic ulcer. V. I. Pechenichnikov. Trudy Inst. im. N. V. Sklif. 7 87-95 '63

Leiomoma of the duodenum stimulating peptic ulcer. N. M. Sokolina, G. V. Voronkin. Khirurgiya. 12 no. 11:135-138. N. '66

Limits for radicalism in the surgical treatment of perforations and ulcerous hemorrhages. A. T. Lidskii. Trudy Inst. im. N. V. Sklif. 7 53-58 '63

Peptic ulcers following gastric surgery, and repeated operations in their presence. P. I. Androsav. Trudy Inst. im. N. V. Sklif. 7 30-41 '63

Peptic ulcers of the large intestine in esophagoplasty. B. A. Pot'kov, P. P. Sytnik. Khirurgiya. 39 no. 2:107-112. F. '63

Perforating gastric and duodenal ulcers in the clinic of emergency surgery. S. V. Lobachev, O. I. Vinogradova. Trudy Inst. im. N. V. Sklif. 7 17-25 '63

Halaparcotomy following resection of the stomach for peptic ulcer. N. S. Uteshev. Trudy Inst. im. N. V. Sklif. 7 70-73 '63

Role of the surgeon in dispensary treatment of patients with ulcers of the stomach and duodenum. V. V. Zavilov. Sov. med. 20 no. 12:52-57. D. '66

Surgeon's tactics in profuse hemorrhage of an ulcerous nature. I. K. Plika, A. I. Kurat'idze. Trudy Inst. im. N. V. Sklif. 7 60-74 '63

Surgeon's tactics in ulcerous hemorrhages. R. A. Petrov, I. I. Kucherenko. Trudy Inst. im. N. V. Sklif. 7 28-33 '63

Therapeutic activity of quaterlon in peptic ulcers. A. H. Lavris, I. S. Ryas. Sov. med. 26 no. 3:34-38. M. '63

#### PEPTIC ULCER—MORTALITY

Analysis of the lethality in perforating ulcers of the stomach and duodenum, based on materials of the N. V. Sklifosovskii Institute for the period 1943-1959. N. I. Kozintsev. Trudy Inst. im. N. V. Sklif. 7 136-142. '63

#### PEPTIDES

Amino acid analysis of proteins and peptides by thin-layer electrophoresis method combined with chromatography. G. S. Katrukha, Zh. P. Trifunova, A. B. Silaev. Khim. prirod. soed. no. 5:348-351 '60

Effect of basal polypeptides on cleavage of sea urchin eggs. V. I. Vorob'ev, T. A. Sinit'ova, T. S. Iotogina. Zh. biofiz. 6 no. 5:655-658. S-O. '66

High-voltage electrophoretic separation of amino acids and peptides. O. L. Polianovskii. Vop. mol. khim. 12 no. 6:581-586. N-D. '66

Inhibition of RNA synthesis in vitro by basic polypeptides. V. G. Debatov, O. B. Asanov, V. D. Davydov. Biokhimiya. 31 no. 6:1253-1256. N-D. '66

Microglobulin synthesized by complexes of cellulose-fixed peptide chains of  $\gamma$ G-globulin and corresponding antibodies. R. S. Nozlin, L. M. Kul'pina. Biokhimiya. 31 no. 6:1257-1263. N-D. '66

Some pharmacological properties of the antibiotic neotomycin of the polypeptide group. V. G. Stolpina, O. Sh. Dzhekenbaev. Antibiotiki. 11 no. 11:1007-1011. N. '66

Study of the role of different peptide chains of antibodies in the antigen-antibody reaction. P. Franek, R. S. Nozlin. Biokhimiya. 26 no. 2:193-203. M-Ap. '68

Synthesis of  $\beta$ -(4-hydroxy-6-methylpyrimidin-2)-alanine peptides. I. U. P. Shvachkin, L. A. Syrtsova. Vest. Mosk. univ. Ser. 2. Khim. 17 no. 5:85-86. S-O. '62

#### PEPTIDES—ANALYSIS

Chromatographic separation and allogenetic activity of peptides isolated from strain Di/ST of Mycobacterium tuberculosis. V. I. Degtarenko, A. I. A. Rozanov, Zhur. mikrobiol., epid. i immun. 43 no. 11:20-33. N. '68

#### PERCEPTION

Age-related mobility of human basic nervous processes. A. E. Khil'chenko, L. N. Kuznetsov, N. P. Kuznetsov. Vop. psikh. 12 no. 5:123-128. N-D. '66

L. S. Vygodskii's role in the development of the problems of perception. A. V. Zaporozhets. Vop. psikh. 12 no. 6:13-21. N-D. '66

#### PERCHLORATES, EFFECT OF RADIATION ON

Radiation chemistry of oxychlorine compounds. Part 6. Van Ven-sin' [Wang Wen-hsin], L. T. Bugayeva. V. N. Bilevskii. Zhur. fiz. khim. 40 no. 11:2761-2770. N. '66

#### PERCHLORIC ACID

Study of complex formation of beryllium by means of ion exchange. Report No. 1. Behavior of beryllium in solutions of perchloric and sulfuric acids. T. A. Belyavskaya, I. T. Kolosova. Vest. Mosk. univ. Ser. 2. Khim. 17 no. 5:55-59. S-O. '62

#### PERCOLATION

Two-term formula describing the resistance of porous media. B. F. Stenochkin. PMTE. no. 3:117-120. Nye-Je. '62

PERENNIALS see subdivision under Barnaul; Gorno-Altaysk

#### PERESLAVL'-ZALESSKIY DISTRICT—COOPERATIVE SOCIETIES—EMPLOYEES

Improve the level of training and education of employees. A. Vikulov. Sov. polit. khoz. 10 no. 12:25-26. D. '66

#### PERESLAVL'-ZALESSKIY DISTRICT—MOOSE HUNTING

Management of moose in Pereslavl' State Forestry and Hunting Farm. V. O. Hlinitskii. Biol. i prom. inst. no. 2:250-261. '65

#### PERFORMANCE AWARDS

Honorary title and honorary diplomas to workers of petroleum production, gas processing, and oil refining industries. Neftianik. 11 no. 11:9-10. N. '66

#### PERFUMES

(see also subdivision under Ukraine)

Perfume properties of some new synthetic odorant substances. Report No. 2. L. S. Kaboshina, A. G. Livshits, V. P. Ostipova. Trudy VNIISNDV. 7:86-90. '65

#### PERFUSION PUMP (HEART)

Method for cannulation of the pulmonary artery in artificial blood circulation without the oxygenator. V. I. Potolod. Diksp. khim. i med. 8 no. 6:76. N-D. '63

Prevention of hyperadrenalemia and vascular spasm during hypothermic perfusion in surgery on the heart. G. M. Solov'ev and others. Trudy i go. MMI. 13 95-102. '65

State of the acid-base equilibrium in early postoperative period of hypothermic perfusions. G. M. Solov'ev, M. I. Khodas. Khirurgiya. 42 no. 11:111-120. N. '66

#### PERICARDIUM

Pneumomediastinography in the diagnosis of pericardial cysts. L. N. Tishchenko. Trudy Novokuz. GIMUVA. 32:80-83. '65

#### PERICARDIUM—WOUNDS AND INJURIES

Wounds of the heart and pericardium. R. S. Mamukian, A. Z. Mamedov. Azerb. med. zhur. 40 no. 2:140-55. F. '63

#### PERIODIC DISEASE

So-called periodic disease (diencephalic syndrome). M. R. Nazirov, T. P. Glinchikina. Azerb. med. zhur. 40 no. 2:77-82. F. '63

#### PERIODIC LAW

Catalytic activity of metals as depending on their position in periodic table. A. M. Sokol'skaya and others. Trudy Inst. khim. nauk AN Kazakh SSR. 14:200-209. '66

#### PERIODICALS—CATALOGS

Cataloging of foreign periodicals in the Central Library of the Academy of Sciences of the Tadzhik S. S. R. L. A. Liblik. Opyt rab. bibliot. i inostr. lit. no. 4:21-28. '61

Classification and cataloging of foreign periodicals in the Scientific Library of Saratov University. L. B. Levina, N. P. Nikitina. Opyt rab. bibliot. i inostr. lit. no. 4:1-23. '61

#### PERITONITIS

Clinical studies of the course of experimental peritonitis following the use of ganglionic-blocking agents. E. M. Netko, V. V. Nevellitskii. Pat. fiziol. i eksp. terap. no. 3:72-73. '64

Pathogenesis of biliary peritonitis and cholecystitis caused by the enzymatic action of pancreatic juice. V. B. Troitskaya, T. V. Shaak. Pat. fiziol. i eksp. terap. no. 3:60-83. '64

Rare case of an opisthorchosis complication. N. A. Zubov. Med. paraz. i paraz. bol. 31 no. 5:550-561. S-O. '62

#### PERLITE

Using perlite in bodies for household porcelain. I. G. Khifanishvili, R. A. Mamaladze, S. I. Ker. 23 no. 11:37-38. N. '66

Using perlites in the production of heat-insulating articles. K. Vozmishel, A. Avopian. Prom. Aizm. 9 no. 10:17-19. '66

#### PERM—WHARVES

Prefabricated structural design for quay. G. I. Shenderov. Transp. stroit. 11 no. 11:27-30. N. '61

#### PERM PROVINCE—BIOGRAPHY

[Heroes of Baitalin Gol]. Gos. izd. Khalkhin-Gol. [Perm'] Permskoe knizhnoe izd-vo, 1966. 120 p.

#### PERM PROVINCE—COAL GEOLOGY

Conditioning of sandstones of coal measures of Kizel and Chusovoy regions. V. I. Pukhov, V. P. Ketov. Nauch. trudy Perm. politekh. inst. no. 12:21-28. pt. 1. '62

#### PERM PROVINCE—COAL MINES AND MINING

Wide scope. P. Evstikov. Sov. shakht. 12 no. 4:21. Ap. '63

#### PERM PROVINCE—EDUCATION, RURAL

Andrei Gavrilovich. I. Chirudskikh. Sem'ia i shkola. 21 no. 12:37-39. D. '66

#### PERM PROVINCE—HOSPITALS, RURAL

You were expected to come, Antonina. S. Glinina. Mol. komm. no. 3:56-60. M. '61

#### PERM PROVINCE—LAW—STUDY AND TEACHING

A "faculty of legal knowledge." Sots. zakon. 43 no. 12:73. D. '66

#### PERM PROVINCE—RADIOBROADCASTING

Instructional example. M. Stepanov. Sov. radio i tel. 12 no. 6:21-25. Je. '63

#### PERM PROVINCE—RURAL ELECTRIFICATION

Integrated construction of electric installations. P. Lipkin. Sel'sk. stroit. 16 no. 11:14-15. N. '61

#### PERM PROVINCE—TELEVISION BROADCASTING

Instructional example. M. Stepanov. Sov. radio i tel. 12 no. 6:24-25. Je. '63

#### PERM REGION—GUIDEBOOKS

Volkov, A. M. [Environ. of Perm; a guidebook for vacationists]. Otkrestnost' Permi, spravochnik v pomoshch' otkrykhalushchim. Perm', Permskoe knizhnoe izd-vo, 1965. 101 p.

#### PERM REGION—TERRACES (GEOLOGY)

Terraces of Kama and its tributaries in Perm region. N. V. Vvedenskaya. Nauch. trudy Perm. politekh. inst. no. 12:85-89. pt. 1. '62

#### PERMAFROST see Frozen ground

PERMITIN, LEON NIKOLAEVICH, 1895-  
Mantorov, G. V. [Efim Permitin; a sketch of his life and works]. Efim Permitin, ocheik zhizni i tvorchestva. [Moskva] Mosk. rabochii, 1966. 166 p.

#### PERMITIVITY see Dielectric constant

#### PEROVSKITE

Autoclave stripping of perovskite concentrate. V. M. Kostin, B. N. Molot'ev, V. A. Revichenko. Min. syr'e no. 13:63-69. '66

#### PEROXIDASES

Effect of large doses of extract from the belladonna root, used in the treatment of Parkinson's disease, on peroxidase detection. Report No. 1. Determination of the peroxidase in the skeletal muscles of mammals under normal conditions and following belladonna injection. I. A. Ostipova. Dokl. AN BSSR. 6 no. 9:590-600. S. '62

Mitochondrial peroxidase and its possible role in oxidative processes. T. M. Ivanova, M. A. Davydova, B. A. Rubin. Biokhimiya. 31 no. 6:1167-1173. N-D. '66

#### PEROXIDES

Explosive properties of organic peroxides. V. L. Antonovskii and others. Khim. prom. 42 no. 12:897-900. D. '66

Formation and transformation of peroxide compounds in radiation-induced oxidation of hydrocarbons. M. F. Romanov, V. V. Savaeva. Zhur. fiz. khim. 40 no. 11:2789-2804. N. '66

Kinetics of reactions of saturated hydrocarbon polymers initiated by peroxides. R. Rado. Vysokom. soed. 4 no. 11:1746-1751. N. '62

Synthesis of ethers of 2,5-dimethyl-2,5-hexane bis-hydroperoxide. V. S. Clarkusha-Borzhko and others. Ukr. khim. zhur. 32 no. 12:1315-1316. '65

Thin layer chromatography of organic peroxides. M. M. Buzanova, V. F. Stepanovskaya, V. L. Antonovskii. Zhur. anal. khim. 21 no. 12:1431-1434. '66

Titrimetric determination of tantalum as a phosphorantant peroxide complex. A. K. Babko, I. G. Lukianets, Zhur. anal. khim. 21 no. 12:1430-1435. '66

#### PERSIAN LANGUAGE—TERMS AND PHRASES

"Karanda" as a social category. A. A. Egan, Nar. Az. i Afr. no. 6:106-113. '66

PERSIMMON see subdivision under Georgia

PERSIMMON—GRAFTING see subdivision under Azerbaijan

PERSONAL BEAUTY see Beauty, Personal

## PERSONAL INJURES

Liability in injury to a seaman's health and reputation in connection to a seaman's death after his death V. I. I. 43 no. 12 32-41 D '66

PERSONAL NAMES see Names, Personal

## PERSONALITY, DISORDERS OF

Characteristics of psychoses and character anomalies in families of schizophrenics L. N. Vidmanov and others Zhur. nev. psikh. 46 no. 12 1848-1854 '66

## PERSONS (LAW)

"Subjective rights" of Soviet citizens V. V. Litruk Pr. o. n. s. 11 31-24 '65

## PETRIURBATION

One characteristics of perturbation theory V. I. Troshchik, M. V. Shukob, Zhur. eksp. teor. fiz. 11 no. 5 1413-1414 '66

Relaxation in system with sudden changing perturbation in presence of correlation between its successive values V. I. Buzhik, M. V. Ozeldehuk Zhur. eksp. teor. fiz. 11 no. 4 1071-1073 O '66

## PERVOURAL'SK (SVERDLOVSK PROVINCE)—PIPE INDUSTRY WORKERS

Spetsbeach V. S. I. tsv. So. profsoyuz 22 no. 23 26-28 D '66

## PESCHANY ISLAND—CLAY

Characteristics of Upper Apsheronian clays from the viewpoint of engineering geology of water area of Peschany Island in connection with conditions governing their formation D. M. Gasanova, Izv. AN Azerb. SSR Ser. nauk o zem. 40 69-75 '66

## PESCHANY ISLAND—ENGINEERING GEOLOGY

Characteristics of Upper Apsheronian clays from the viewpoint of engineering geology of water area of Peschany Island in connection with conditions governing their formation D. M. Gasanova, Izv. AN Azerb. SSR Ser. nauk o zem. 40 69-75 '66

## PESCHANY ISLAND (CASPIAN SEA)—PETROLEUM

Increase of the resources of raw material for the production of mineral oils R. Sh. Kuliev and others Khim. i tekhn. topl. i masel. 11 no. 11 22-24 N '66

## PESCHANY ISLAND OIL FIELD—PETROLEUM—ANALYSIS

Obtaining aviation oil from Peschany Island petroleum R. Sh. Kuliev and others Azerb. neft. khoz. 45 no. 9 34-36 S '66

## PESCHANY-MORE OIL FIELD—PETROLEUM GEOLOGY

Oil and gas saturation of the sixth horizon of the Bala-khan' series in the Peschany-more oil field, L. I. Gol'dina, Azerb. neft. khoz. 42 no. 3 6-8 Mr '63

## PESTICIDES

Analyzing DDT and hexachlorocyclopentane mixtures in pesticide preparations S. F. Bezuglyi, T. N. Lunina Khim. v sel. khoz. 1 no. 12 34-35 D '66

Methods for using poisonous chemicals, Z. Khiladev, Zashch. rast. 11 no. 11 54-56 '66

New preparations, A. Zen'kevich, Zashch. rast. 11 no. 11 55-57 '66

New sanitary regulations, Zashch. rast. 11 no. 11 32 '66, Protection of plants against pests and diseases, Inform. blud VDNKH no. 9 11-12 S '62

## PESTICIDES—RESEARCH see subdivision under Kiev

## PETERSON, OLGA PETROVNA, 1906-

50th birthday of O. P. Peterson, Vop. virus. 11 no. 5 629 S-O '66

## PETROV DISTRICT—STOCK AND STOCKBREEDING—MANAGEMENT

Combine economic work with mass political work M. Meris Ekon. sovet. khoz. 42 no. 11 104-105 N '66

## PETROCHEMICAL INDUSTRY

Entering the year of the 50th anniversary of the Great October Revolution Neftanik 11 no. 11 1-2 N '66

Fil'kin, V. I. [Petroleum, gas, and petrochemical industries and their role in creating the productive forces of communism] Neftanika, gazovaya, neftekhimicheskaya industriya i ee rol' v sozdani proivoditel'nykh sil kommunizma. [Grozny] Checheno-Ingushskoe knizhnoe izd-vo, 1965, 77 p.

New boundaries of the petroleum refining and petrochemical industry, D. I. Notkin, Khim. i tekhn. topl. i masel. 11 no. 11 3-5 N '66

## PETROCHEMICAL INDUSTRY—EQUIPMENT AND SUPPLIES

Use of network schedule graphs in the main repairs of technological units, A. G. Aizlanov, V. E. Tishchenko, Khim. i tekhn. topl. i masel. 11 no. 11 37-39 N '66

## PETROCHEMICAL INDUSTRY—FUEL CONSUMPTION

Economics of fuel in the petroleum refining and petrochemical industry I. A. G. Sorokin Khim. i tekhn. topl. i masel. 11 no. 11 13-37 N '66

## PETROCHEMICAL INDUSTRY—HYGIENE ASPECTS see subdivision under Bashkiriya

## PETROCHEMICAL PLANTS—EQUIPMENT AND SUPPLIES

Raising vertical apparatus by "press out" method, I. M. Nisenzon, Mont. i spets. rab. stroit. 28 no. 12 8-9 D '66

## PETROGLYPHS see subdivision under Daghestan; Surkhan-Darya Province, Turkmen Valley

## PETROGRAPHIC MICROSCOPE

Hypogene changes in sed in hydrothermal deposits G. L. Naivait, Izv. AN Kazakh SSR, Ser. geol. 23 no. 5 27-38 S-O '66

Quantitative methods of studying properties of ore minerals and their use, I. A. Pudovkina, E. G. Rikabova, E. K. Aksejova, Min. syr. no. 12 5-12 '66

## PETROLEUM

(see also subdivision under Peschany Island, Caspian Sea, Siberia, Western)

Kinetics of the formation of coke during the cracking of the group components of petroleum residues M. E. Lantier and others, Khim. i tekhn. topl. i masel. 11 no. 11 23-24 N '66

## PETROLEUM—ANALYSIS

(see also subdivision under Dnieper-Donets Lowland, Peschany Island Oil Field, Zyrza Oil Field)

Comparative evaluation of the packing and of the fractionating capacity of various laboratory columns A. K. Mamonov, D. A. Pchelintsev, Khim. i tekhn. topl. i masel. 11 no. 11 42-47 N '66

Sampler of pipeline fluids, V. S. Shebalov, Mash. i mont. obrab. no. 9 41-12 '66

## PETROLEUM—CONGRESSES

Conference on petroleum in Hungary S. R. Sorokanov, Izv. AN Turk. SSR, Ser. fiz. i tekhn. i geol. nauk no. 4 124-127 '62

## PETROLEUM—MICROBIOLOGY

(see also subdivision under Baghdad)

Distribution of bacteria in ground waters as related to oxidation-reduction conditions Z. I. Kuznetsova, Mikrobiologiya 35 no. 5 894-898 S-O '66

Microbiological deawaxing with the production of protein-vitamin concentrates A. Shampun'ia and others, Neftekhimika 3 no. 5 799-810 S-O '63

Obtaining by means of natural adaptation various types of microorganisms capable of assimilating and converting petroleum fractions; used in deawaxing and protein synthesis K. Gutell'e, Neftekhimika 3 no. 5 811-812 S-O '63

## PETROLEUM—STORAGE

Introducing results of research carried out by Petroleum Transportation Research Institute, L. G. Kolpakov, E. V. Lobanov, L. P. Sidorenko, Transp. i khran. nefli, i nefteprod. no. 10 33-34 '66

Plant tests of a unit for preventing paraffin deposition on tanks bottoms Neft. khoz. 11 no. 9 61-65 S '63

Remote control gauging of liquid levels in tanks using selenium transmission, N. M. Sarkisov, I. I. Chubov, V. G. Ulanov, Transp. i khran. nefli, i nefteprod. no. 10 10-12 '65

## PETROLEUM—TRANSPORTATION

(see also subdivision under Caucasus, Northern)

Effect of gravitational and surface forces on the flow rate factor of external cylindrical fittings Z. I. Gellin, I. U. A. Skobeltsev, Neft. khoz. 11 no. 9 65-67 S '63

Introducing results of research carried out by Petroleum Transportation Research Institute, L. G. Kolpakov, E. V. Lobanov, L. P. Sidorenko, Transp. i khran. nefli, i nefteprod. no. 10 33-34 '66

Routing for liquid cargo transportation V. M. Atroshchenko, V. I. Triseev, N. I. Shitikov, Zhelezn. dop. transp. 48 no. 11 15-16 N '66

## PETROLEUM, HEATING OF

Some technical and economic problems of long-distance pipeline transportation of Mangyshlak oil V. N. Diagterov, A. V. Fomicheva, A. A. Mikhailov, Transp. i khran. nefli, i nefteprod. no. 10 17-21 '66

## PETROLEUM AS FUEL

Method for the evaluation of corrosive properties of fuels and the effectiveness of anticorrosive additives, E. S. Churshekov and others, Khim. i tekhn. topl. i masel. 11 no. 12 54-58 D '66

## PETROLEUM ENGINEERING

Linear transformation of a percolating flow, Ch. T. Khalilulin, PMTF no. 3 102-104 My-Je '62

Unsteady flow of an elastic liquid toward a well in an inhomogeneous medium, V. A. Maksimov, PMTF no. 3 109-112 My-Je '62

## PETROLEUM GEOLOGY

(see also subdivision under Apsheron Peninsula, Ays' Valley, Asia, Bashkiriya, Caucasus, Daghestan, Darvin Shakh Oil Field, Dnieper-Donets Lowland, Forganat Valley, Gurygany-Ma' Oil Field, Komi A. S. S. R., Kunrova Range; Kuz' Ays' Lowland, Kyurovdag Oil Field, Kyzyi Kama, L'vov Province, Mishovdag Oil Field; Orskaya G. I. oil field; Peschany-More Oil Field, Romadunovka Oil Field, Second Baku, Siberia, Eastern; Tatar A. S. S. R., Transcarpathia, Turkmenistan, Ukraine, Volga Valley, West Siberian Plain; White Russia, Zacheptovka Oil Field)

Akademiya nauk URSS. Institut geologii i geokhimi. gos. i tekhn. i tekhn. [Problem of petroleum and gas of lignite and the formation of their commercial products] Problema prirodnokhizdeniya nefli i gazov i obshchaya teoret. i kh. promyshlennyykh zalezhei. Kiev, Naukova dumka, 1966, 185 p.

Increasing oil resources is main object of petroleum production industry in current five-year plan, materials of geologic conference in Krasnodar 2 A. Sh. Mamonov, I. V. Podpalyova, Neft. khoz. i nefteprod. no. 11 1-2 '66

## Institut geologii i razrabotki goruchikh i kokovnykh.

[Facies and conditions of formation of oil- and gas-producing series] Faktory usloviya formirovaniya i razvitiya gazoproduktivnykh i tekhn. i tekhn. 1966, 179 p.

Prospects for finding new oil and gas fields in study of areas of European part of U. S. S. R., A. A. Etkin, and others, Sov. geol. 9 no. 11 1-8 N '66

## PETROLEUM GEOLOGY—CONGRESSES

Results of the 1st session of the State Committee for Mineral Resources at the Council of Ministers of the U. S. S. R., held in Tyumen', G. B. Kuznetsov, M. I. GKZ no. 1 91-96 '66

## PETROLEUM GEOLOGY—TABLES, CALCULATIONS, ETC.

Determining the mean value of parameters of a pool depending upon their variability and the positioning of wells, M. N. Korshakov, M. I. GKZ no. 1 170-171 '66

## PETROLEUM INDUSTRY

(see also subdivision under Near East; Second Baku; Turkmenistan; Ukraine)

Entering the year of the 50th anniversary of the Great October Revolution Neftanik 11 no. 11 1-2 N '66

Fil'kin, V. I. [Petroleum, gas, and petrochemical industries and their role in creating the productive forces of communism] Neftanika, gazovaya, neftekhimicheskaya industriya i ee rol' v sozdani proivoditel'nykh sil kommunizma. [Grozny] Checheno-Ingushskoe knizhnoe izd-vo, 1965, 77 p.

Fourth Plenum of Central Committee of our Trade Union A. Babalan, Neftanik 11 no. 11 17-18 N '66

Honorary title and honorary diploma to workers of petroleum production, gas processing, and oil refining industries Neftanik 11 no. 11 9-10 N '66

## PETROLEUM INDUSTRY—CONGRESSES

(see also subdivision under Tomsk Province)

Sixth International Petroleum Congress, 21-25 Nov. Neftekhimiya 3 no. 5 813-815 S-O '63

## PETROLEUM INDUSTRY—SAFETY MEASURES

On what coworkers of All-Union Scientific Research Institute of Safety Engineering are working, A. M. Kovalev, Neftanik 11 no. 11 22-23 N '66

## PETROLEUM MINING

Use of mining methods in development of oil pools in areas for increasing oil production M. L. Akhmedov, F. M. Ivanov, Azerb. neft. khoz. 45 no. 12 41-47 D '66

## PETROLEUM PIPELINES

(see also subdivision under Siberia, United States, Ural Mountain region)

Markova, A. N., and M. F. Smirnov, [Technical and economic basis for development of a pipeline system for petroleum products] Tekhniko-ekonomicheskoye osnovaniye razvitiya seti nefteproduktovodov, Moskva, Nedra, 1966, 60 p.

Some technical and economic problems of long-distance pipeline transportation of Mangyshlak oil, V. N. Diagterov, A. V. Fomicheva, A. A. Mikhailov, Transp. i khran. nefli, i nefteprod. no. 10 17-21 '66

## PETROLEUM PIPELINES—COST OF OPERATION

Selection of optimum regimes for pumping high-pour paraffin-base petroleum, A. I. Kazubov, V. I. Churakina, Transp. i khran. nefli, i nefteprod. no. 10 33-35 '66

Some problems of economic exploitation of pipelines in the period of their development to planned capacity, V. I. Eronen, L. G. Kolpakov, V. G. Volodin, Transp. i khran. nefli, i nefteprod. no. 10 22-23 '66

## PETROLEUM PIPELINES—FLUID DYNAMICS

Motion of conjoining oil in a round pipe in an ultrasonic field E. M. Skublevskii, A. I. Mekhel'man, Neft. i gaz. prom. no. 3 52-53 D-S '63

**PETROLEUM PIPELINES—FLUID DYNAMICS** (Continued)  
Selection of optimum regimes for pumping high-pour paraffin-base petroleum products. V. I. Chernihin. Transp. i khim. nefti i nefteprod. no 10 3-3 '66

**PETROLEUM PRODUCTION**  
(see also subdivision under Bashkiria, Boriskay Oil Field, Maigobek region, Chechen-Ingush A.S.S.R., Tatar A.S.S.R.)  
Calculation of production easings in effect of sand production. A. V. Mamedov. Azerb. nefi. khoz. 15 no 9:24-26 S '66  
Dependence of longevity of production columns on their diameter. A. G. Sypunov, A. A. Nagiev, Z. M. Badalova. Azerb. nefi. khoz. 15 no 12:21-29 D '66  
Dynamics of the flooding of producing wells having unequal production rates. K. N. Dzhalilov, N. D. Dzhalilov. Azerb. nefi. khoz. 12 no 1:21-29 M '63  
Effect of wells not in operation on interference between wells developing flooded point. A. I. Akhmedov. Izv. AN Azerb. SSR, Ser. nauk o zem. no 1:95-106 '66  
Effectiveness of capital investments in petroleum production industry, as a topic for discussion. A. A. Chetina. Azerb. nefi. khoz. 45 no 9:45-46 S '66  
Efficient tempos for the development of oil fields. D. D. Gusev. Neft. khoz. 41 no 9:21-30 S '63  
Estimating the production of oil obtained by means of artificial stimulation. G. A. Mamedov. Azerb. nefi. khoz. 42 no 7:37 '63  
Field investigation of the effect of surfactant properties of fluids on the magnitude of the flow through the plunger-piston element. A. Kh. Gaganov. Azerb. nefi. khoz. 42 no 3:33-35 M '63  
Flooding oil from uncompleted wells using vibrations. S. M. Gaidiev. Azerb. nefi. khoz. 12 no 7:30-10 JI '63  
Flow of gas-liquid mixture through lithological "window". G. P. Guseinov, G. A. Gaidiev. Azerb. nefi. khoz. 15 no 12:30-21 D '66  
Increasing the overall recovery factor. K. A. Oganov. Neft. i gaz. prom. no 3:49-51 JI-S '63  
Planning general automatic control of oil fields. S. G. Markarov. Neft. khoz. 41 no 9:41-48 S '63  
Selecting objects for high-pressure gas injection. L. I. Shitko. Neft. i gaz. prom. no 3:48-52 JI-S '63

**PETROLEUM PRODUCTION—COSTS**  
(see also subdivision under Azerbaijan)  
Concerning an article on a method for calculating the cost of oil and gas production. M. M. Mustafayev, A. S. Akhundov. Azerb. nefi. khoz. 42 no 7:1-6 JI '63  
Dependence of the cost of mechanized petroleum production on the degree of water encroachment. V. A. Sheln, I. A. M. Zeigeli. Ekon. nefteprod. prom. no 5:22-25 '66  
Determining the cost of petroleum production on the basis of methods employed in well exploitation. B. I. Gumbiner. Neft. khoz. 41 no 9:1-2 S '63

**PETROLEUM PRODUCTION—EQUIPMENT AND SUPPLIES**  
Two schematic diagrams of a sampler of an average sample. A. L. Kaplan. Azerb. nefi. khoz. 12 no 5: 41-42 M '63

**PETROLEUM PRODUCTION—MANAGEMENT** see subdivision under Bashkiria

**PETROLEUM PRODUCTION—MECHANIZATION**  
Economic efficiency of the automation and telemechanization of petroleum production enterprises. I. M. Potapov, I. A. Aron. Ekon. nefteprod. prom. no 5:26-28 '66

**PETROLEUM PRODUCTION, THERMAL**  
(see also subdivision under Boriskay Oil Field)  
Efficiency of the heat treatment of the bottom zones of wells in fields of the Oil Field Administration of the Ishambay Petroleum Trust. A. S. Bakhtiarov, I. V. Pastukhov, A. A. Stepanchikov. Neft. khoz. 41 no 9: 58-70 S '63  
Thermal methods of petroleum production offer great promise. A. Garushev. Neftianik 11 no 11:27-28 N '66

**PETROLEUM PRODUCTS**  
Formation of asphaltene in oil tar and cracking residue when heating carbon dioxide in the atmosphere. V. A. Garbatinskii, S. R. Seigunko. Izv. AN Turk. SSR Ser. fiz.-tekh. i khim. i geol. nauk no 2:15-20 '61  
Formulas for calculating viscosity of petroleum oils at low temperatures. Sh. S. Gaidiev. Azerb. nefi. khoz. 45 no 9:39-40 S '66  
Production of aromatic hydrocarbons from kerosene-gas oil fractions of sulfurous petroleum products. A. S. Elganson and others. Khim. i tekhn. topl. i masel. 11 no 11:9-13 N '66

**PETROLEUM PRODUCTS—ANALYSIS**  
Method for the determination of paraffin and olefin hydrocarbons of normal structure in gasoline and diesel fractions of secondary petroleum refining processes. N. A. Okinshovich, E. N. Gurina, B. T. Abaeva. Khim. i tekhn. topl. i masel. 11 no 12:50-53 D '66

**PETROLEUM PRODUCTS—PHYSIOLOGICAL EFFECT**  
Comparative study of the effect of different doses of growth promoting substance of petroleum origin on the development of experimental tumors. S. A. Guliyev. Azerb. med. zhur. 40 no 4:15-26 Ap '63

**PETROLEUM PRODUCTS—STORAGE**  
(see also subdivision under Archangel, Ust'-Kamenogorsk)  
Using reflecting disks as efficient means in controlling evaporation losses of petroleum products. S. P. Rusakov, M. M. Fakhilev, I. S. Branshteyn. Transp. i khim. nefti i nefteprod. no 10 31-32 '66

**PETROLEUM PRODUCTS—TOXICOLOGY**  
Toxicity of LZ-5. I. U. P. Sanina, T. A. Kochetkova. Toksyk. prom. khim. veshch. no 8:136-147 '66

**PETROLEUM PRODUCTS—TRANSPORTATION**  
(see also subdivision under Archangel)  
Conditions for centralized delivery of petroleum products to consumers. I. U. Ishkonchuk. Avt. transp. 11 no 7 25-27 JI '63  
Ways of increasing the productivity of centrifugal pumps handling viscous petroleum products. G. S. Gusev. Neft. transp. 25 no 12:16-18 '66

**PETROLEUM REFINERIES** see subdivision under Donets Valley

**PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION** see subdivision under Kirghiz (Leningrad Province)

**PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES**  
Decrease of energy consumption in petroleum refineries. V. I. Polukhov. Khim. i tekhn. topl. i masel. 11 no 12:59-60 D '66

**PETROLEUM REFINERIES—HEATING AND VENTILATION**  
Pay unremitting attention to ventilation during the treatment of petroleum and gas. D. D. Nikulin. Bezop. tuda v prom. 7 no 5:7-8 M '63

**PETROLEUM REFINING**  
(see also subdivision under Gaidiev Oil Field, Tuzmaz Oil Field, Ukraine)  
New boundaries of the petroleum refining and petrochemical industry. D. I. Borkin. Khim. i tekhn. topl. i masel. 11 no 11:1-5 N '66  
100th anniversary of the scientific technological societies. N. V. Yakusheva, L. L. Chernukha. Khim. i tekhn. topl. i masel. 11 no 11:5-9 N '66  
Theoretical and experimental determination of the group hydrocarbon composition of a condensate by combustion in a calorimetric cylinder. Sh. M. Ismail-Zade. Azerb. nefi. khoz. 12 no 7:13-16 JI '63  
Using acid sludge from the purification of transformer distillates to obtain demulsifiers. N. I. A. Rudakova, S. A. Polshchuk, M. R. Oranova. Neft. i gaz. prom. no 1:56-58 Ja-Mr '63

**PETROLEUM REFINING—DESLANTING**  
Development of a system for deslating petroleum products. S. F. Molokhov, V. E. Rukhlov, V. K. Solov'ev. Khim. i tekhn. topl. i masel. 11 no 11:28-32 N '66

**PETROLEUM REFINING—DEWAXING**  
Microbiological dewaxing with the production of protein-vitamin concentrates. A. Shampulina and others. Neftekhimtia 3 no 5:799-810 S-O '63  
Obtaining by means of natural adaptation various types of micro-organisms capable of assimilating and converting petroleum fractions; used in dewaxing and protein synthesis. K. G. Gaidiev. Neftekhimtia 3 no 5:811-812 S-O '63

**PETROLEUM REFINING—ECONOMIC ASPECTS**  
Reliability and use of fixed capital of the petroleum refining industry. I. U. M. Malyshev, A. F. Zimin, N. S. Potava. Khim. i tekhn. topl. i masel. 11 no 12:32-37 D '66

**PETROLEUM REFINING—EQUIPMENT AND SUPPLIES**  
Analyzing a system of automatic level control when designing technological apparatus for petroleum refining. M. A. Abbasov. Azerb. nefi. khoz. 42 no 5:37-40 M '63  
Effect of the diameter of a hydraulic cyclon and the pressure at its inlet on the coarseness of grains in purifying petroleum from mechanical admixtures. K. A. Ilaliev, B. M. Gutman, A. M. Mustafayev. Za tekhn. prog. 6 no 12:39-41 D '66  
Use of network schedule graphs in the main topics of technological units. A. G. Arslanov, V. E. Lishchenko. Khim. i tekhn. topl. i masel. 11 no 11:37-39 N '66

**PETROLEUM REFINING—FUEL CONSUMPTION**  
Economy of fuel in the petroleum refining and petrochemical industry. I. A. G. Sorkin. Khim. i tekhn. topl. i masel. 11 no 11:33-37 N '66

**PETROLEUM RESEARCH** see subdivision under Turkmenistan

**PETROLEUM WORKERS**  
(see also subdivision under Azerbaijan; Maigobek region; Chechen-Ingush A.S.S.R.)  
Gift of Grozny oil prospector's. Sh. Akhmedov. Neftianik 11 no 11:5 N '66

What the experience of Tyumen' drillers tells us. A. Smirnov. Neftianik 11 no 11:29-31 N '66

**PETROLEUM WORKERS—DISEASES AND HYGIENE**  
Dynamics of morbidity with temporary disability among workers in petroleum processing plants for the years 1951-1961. I. I. Alekperov. Azerb. med. zhur. 40 no 3:62-70 Mr '63

**PETROLOGY**  
(see also subdivision under Bashkiria)  
Current state of thermography and its use in petrographic studies. V. P. Ivanova. Min. syr. i 12 53-64 '66  
Shklatev, N. F. [Upper Paleozoic igneous activity of the Turkmenian and Alay Ranges]. Vokhnepaleozoiskii magmatizm Turkestan-Alaya. [Leningrad] Izd-vo Leningr. univ., 1966 150 p.

**PETROLOGY—CONGRESSES** see subdivision under Soviet Central Asia

**PETROPAVLOVSK-KAMCHATSKY—CLIMATE**  
Climate of Petropavlovsk-Kamchatsky. A. P. Katsyaka, L. V. Skripko. Vop. geog. kamech. no 3:11-15 '65

**PETROPAVLOVSK-KAMCHATSKY—HISTORY**  
Petropavlovsk-Kamchatka is 225 years old. V. P. Kuznetsov, I. I. Laganov. Vop. geog. kamech. no 3:3-10 '65

**PETROV, LEONTII STEPANOVICH**  
Great respect and deserved honor. A. Gridin. Zemel. i 20 no 11:64-66 N '66

**PETROV-VODKIN, KUZ'MIN SERGEEVICH, 1878-1929**  
Keeping with the times. L. Kuptsov. V. mite knig. 6 no 11:31-35 N '66

**PETROVAC (MONTENEGRO)—HOTELS, TAVERNS, ETC.—DESIGN AND CONSTRUCTION**  
Hotel "Oliva" in Petrovac. Strah. i arkhitekt. 11 no 11: 37-38 N '66

**PETROVSKOYE DISTRICT—RESTAURANTS, LUNCHROOMS, ETC.—MANAGEMENT**  
Achievements and needs of public dining rooms. E. Solov'ev. Sov. poteb. koop. 10 no 12:26-27 D '66

**PETRUSHIN, IVAN PETROVICH, 1905-**  
I. P. Petrushin, on his 60th birthday and the 40th anniversary of his productive work. Vest. svizn. 26 no 11:32 N '66

**PHAGOCYTOSIS**  
Biological activity of the polysaccharide glucan. G. E. Vaisberg and others. Biol. eksp. biol. i med. 55 no 8: 84-87 Je '63  
Effect of single and repeated tetracycline introduction on the phagocytic function of the endothelial system. N. A. Kalitina, G. I. Kirman. Biol. eksp. biol. i med. 55 no 5:84-87 M '63  
Phagocytosis of typhoid fever bacteria by macrophages of subcutaneous infiltrate. L. K. Dobrodeeva. Lab. delo. no 115-17 '67  
Status of some immunobiological properties of the blood in patients with burn disease following transfusion of protein hydrolysates. M. M. Petrov. Prohl. gemat. i peat. krov. 6 no 2:41-14 F '63

**PHARMACISTS** see subdivision under Ukraine

**PHARMACOLOGY**  
Allosteric regulation of enzyme activity. S. A. Neifakh. Trudy LPMI no 32:103-116 '65  
Biological tasks of pharmacology. S. V. Anichkov. Trudy LPMI no 32 8-14 '65  
Blood sugar level and state of the  $\beta$ -cells in the islands of Langerhans following administration of some anti-diabetic preparations and diabetor. R. V. Rudyi, A. P. Dyban. Probl. endok. i gorm. 9 no 1:44-50 Ja-F '63  
Concept of Pavlovian nervousism in pharmacology; on the 70th birthday and the 50th anniversary of the scientific activity of Professor S. V. Anichkov, active member of the Academy of Medical Sciences of the U.S.S.R. D. A. Birkhov. Fiziol. zhur. 48 no 10:1267-1289 O '62  
Effect of substances interacting with cholinergic and adrenergic structures on nictural tremor in guinea pigs. N. V. Usakova. Trudy LPMI no 32 153-164 '65  
Keeping animals in their early stages of postnatal development under conditions of a pharmacological experiment. L. I. Tank. Trudy LPMI no 32 152-158 '65  
Methodology for inducing chronic nephrosonephritis in rats. L. M. Romendik. Pat. fiziol. i eksp. terap. no 3: 84-86 '64  
Pharmacological properties of indopane (a-methyl-1-phenyl-2-hydroxy-3-methyl-4-pyridine). M. D. Mashkovskii, T. K. Trubitsyna. Zhur. nov. i psiki. 63 no 1:73-78 '63  
Pharmacology of conditioned reflexes. S. V. Anichkov. Zhur. vys. nerv. i detat. 12 no 3:391-380 M-Je '62

**PHARMACOLOGY—BIBLIOGRAPHY** see Bibliography—Pharmacology





## PHOSGENE

Quantitative determination of amine hydrochlorides in the amine-phosgene reaction mixture V. V. Petukhin, I. U. A. Teplov, Trudy MKhTI no. 42 163-167 '63

## PHOSPHATASES

Changes in alkaline phosphatase activity in neurons of spinal ganglia of cat following resection of rectum and sigmoid colon A. P. Amvros'ev Dokl. AN SSSR 10 no. 9 710-714 S '66

Clinical significance of transaminase and phosphatase enzymes in Botkin's disease N. B. Tagleva, Azerb. med. zhur. 10 no. 1, 32-36 '63

Dynamics of changes in nonspecific phosphatases in central nervous system of white mice infected with human acute encephalomyelitis virus K. A. Vang V. V. Malinovskaya, F. K. Bichkova Vop. vntuz. 11 no. 5 564-570 S-O '66

Effect of pH on the kinetics of sodium phenyl phosphate hydrolysis by alkaline phosphatase N. I. Ruzhikina Biokhimiya 28 no. 2, 321-325 M-Apr '63

Significance of determining alkaline phosphatase of leukocytes for the diagnosis of disorders of the cerebral blood circulation M. G. Shubich, V. I. Shmyrev, A. A. Ashinin, Zhur. nevrolog. psikh. 67 no. 1, 29-32 '67

PHOSPHATE MINES AND MINING see Subdivision under Chitkai (Kazakhstan)

## PHOSPHATES

Isolation of acetyl and citril phosphates from liver homogenates following transamination of citric acid M. F. Il'yut, T. M. Pechonova Ukr. biokhim. zhur. 38 no. 6 614-617 '66

Use of manganese-containing slag in the manufacture of granulated superphosphate B. S. Kuvshinov, N. M. Shkolnik, L. M. Gerasimova Khim. prom. 42 no. 12 934-935 D '66

PHOSPHATES—EFFECT ON PLANTS see Plants, Effect of phosphates on

## PHOSPHATIDES

Phospholipids in rat brain in ontogenesis K. G. Manukhan, A. A. Smirnov, E. V. Chirkovskaya Biokhimiya 27 no. 5, 850-855 S-O '62

Phospholipid metabolism of phospholipids in the brain in ontogenesis K. G. Manukhan, A. A. Smirnov, E. V. Chirkovskaya Biokhimiya 28 no. 2, 248-252 M-Apr '63

## PHOSPHINE

Radioactive beryllium elimination from organisms by complexing compounds O. G. Arkhipova, M. R. Zel'isov, A. A. Petukhov Radiobiologiya 6 no. 5 751-755 '66

## PHOSPHINE SULFIDE

Comparison of some biochemical and hematological characteristics in radiation sickness and following effect of alkylating agents as exemplified by Thio-TEPA A. V. Alesenko and others Radiobiologiya 6 no. 5 718-723 '66

## PHOSPHINE SULFIDE—PHYSIOLOGICAL EFFECT

Effect of Thio-TEPA on the kinetics of the growth of Walker's carcinoma-256 V. N. Erokhin and others Vop. onk. 12 no. 11 58-61 '66

## PHOSPHINE SULFIDE—THERAPEUTIC USE

Use of Thio-TEPA in the treatment of breast cancer V. I. Ivantitskaya, Vop. onk. 9 no. 3 103-108 '63

## PHOSPHINIC ACID

Synthesis and polymerization of allyl and methacrylic esters of alkylphosphinic acids L. P. Raskina, L. N. Turonkaya, A. A. Botin Plast. massy no. 12-7-10 '66

## PHOSPHOFRUCTOKINASE

Study of conformational changes in 6-phosphofructokinase as affected by allosteric inhibitor D. S. Makovich and others Biokhimiya 31 no. 6, 1225-1228 N-D '66

## PHOSPHOMOLYBDIC ACIDS

Effect of copper ions on reduction of synthesized phosphomolybdic acid with sodium sulfite L. P. Tsyganok, B. E. Roznik, Zhur. anal. khim. 21 no. 10 1227-1231 '66

Extraction-photometric determination of phosphorus as reduced molybdic phosphomolybdate F. P. Sudakov, V. I. Khlina, T. I. A. Den'shova, Zhur. anal. khim. 21 no. 11 1333-1341 '66

## PHOSPHONITRILE CHLORIDE

Dacarbazine-phosphonitrile compounds N. T. Kuznetsov, Izv. AN SSSR, Neorg. mat. 2 no. 12 2256-2259 D '66

## PHOSPHOPYRUVIC CARBOXYLASE

Phosphopyruvic carboxylase of the cellular fractions of the renal cortical substance and the effect of hydrocortisone on the activity of this enzyme M. S. Ustenko, Vop. med. khim. 12 no. 6, 644-645 N-D '66

## PHOSPHORANE

Reaction of aminophosphoranes with acid anhydrides, I. I. Mitrakh, L. U. Sandalova, V. P. Evdakov, Dokl. AN SSSR 171 no. 5, 1118-1119 D '66

## PHOSPHORESCENCE

Unit for studying phosphorescence of micro-objects, I. A. S. Poljakov, I. U. M. Rozanov, E. M. Brumberg, Tsiologiya 8 no. 5, 677-681 S-O '66

## PHOSPHORESCENCE—SPECTRA

Pholea phosphorescence spectra at various temperatures, S. V. Konev, V. P. Bobovich, Dokl. AN SSSR 10 no. 10, 786-788 O '66

## PHOSPHORIC ACID

Extraction of titanium with 2-ethylhexylphosphoric acids, Report No. 2, Complete method of determination of titanium in extraction solution I. U. B. Kletnik, I. A. Bykhovskaya, Zhur. anal. khim. 21 no. 12 1490-1501 '66

Interaction of phosphoric acid with some forms of aluminum, A. S. Ikhin, Z. D. Zhukova, S. V. Lyubskiy, Izv. AN SSSR, Neorg. mat. 2 no. 11 2020-2028 N '66

Production of phosphoric acid of 17-30% P<sub>2</sub>O<sub>5</sub> concentration in semihydrate process S. K. Voskresenskiy, R. M. Seichikhal, Khim. prom. 12 no. 12, 912-913 D '66

Synthetic additives of the diethylphosphoric acid ester type P. I. Samin, F. S. Shepetova, V. V. Shch. Neftokhimiya 3 no. 5 781-791 S-O '63

Thermometric determination of tantalum as a phosphorotantalum peroxide complex A. K. Babko, I. G. Lukianets, Zhur. anal. khim. 21 no. 12 1430-1435 '66

## PHOSPHORIC TRIAMIDE

Thermal decomposition of phosphotriamide T. D. Averbukh, N. P. Babina, L. V. Alpatova, Vysokom. sood. 8 no. 10, 1754-1759 O '66

## PHOSPHOROUS ACID

Isomers of pyrocatecholphosphorous acid as stabilizers of polyvinylalcohol P. A. Kirpichnikov and others, Plast. massy no. 12 21-26 '66

Reaction of benzylidene-1,3-dioxanone with dialkylphosphorous acids B. A. Arbutov and others Dokl. AN SSSR 171 no. 5, 1001-1003 D '66

## PHOSPHORS

Chemiluminescence of luciferin reacting with hydrogen peroxide in presence of metal ions A. K. Babko, L. I. Bubovenko, A. V. Terletskaia, Ukr. khim. zhur. 12 no. 12, 1326-1330 '66

Electroluminescence of ZnS-Cu, Al-phosphor due to pulse excitation A. K. Kozhevnikov, V. A. Pilyavich, Dokl. AN SSSR 6 no. 8, 480-491 Ag '62

Time-dependent laws governing internal electroluminescence of AgS-Cu, Al-phosphors A. M. Bunch-Buevich, A. V. Barilovskiy Fiz. tver. tela 8 no. 7, 2062-2067 JI '66

## PHOSPHORUS—ANALYSIS

Extraction-photometric determination of phosphorus as reduced molybdic phosphomolybdate F. P. Sudakov, V. I. Khlina, T. I. A. Den'shova, Zhur. anal. khim. 21 no. 11, 1333-1341 '66

Polarographic determination of yellow phosphorus in ethanolic solutions A. P. Tomilov, I. M. Oadchenko, Zhur. anal. khim. 21 no. 12 1498-1499 '66

PHOSPHORUS—EFFECT ON PLANTS see Plants, Effect of phosphorus on

PHOSPHORUS BACTERIA see Bacteria, Phosphorus

## PHOSPHORUS COMPOUNDS

Light and darkness effect on acid-soluble phosphorus compound content in green algae Scenedesmus obliquus Kuts M. V. Pakhomova, G. T. Drukhacheva, G. N. Zalkaeva Biokhimiya 31 no. 6, 1237-1245 N-D '66

## PHOSPHORUS IN THE BODY

Inorganic orthophosphate and phosphotriols in the embryonal development of the bond loach (Misgurnus fossilis L.) K. A. Kaban, M. A. Timofeeva, Biokhimiya 27 no. 5, 938-942 S-O '62

## PHOSPHORUS ISOTOPES—PHYSIOLOGICAL EFFECT

Characteristics of the accumulation of radioactive phosphorus in megakaryocytes N. D. Gracheva, Vop. radiobiol. 4, 262-265 '61

Possibility for recording the bremsstrahlung from radioactive phosphorus in vivo on man V. I. Pecklovskiy, V. I. Lapchenkov, Vop. radiobiol. 4, 116-120 '61

## PHOSPHORUS ISOTOPES—THERAPEUTIC USE

Experience in radioactive phosphorus (p<sup>32</sup>) treatment of 28 patients with Rushtskii's myeloma G. A. Alekseev, E. K. Kotlis, Probl. gemat. i peiel. krovi 6 no. 2, 3-6 F '63

## PHOSPHORUS METABOLISM

Change in phosphorus metabolism under low temperatures in the root zone Z. V. Titova, S. S. Andreev, Sel'khoz. biol. 1 no. 6, 833-841 '66

Changes in phosphorus and carbohydrate metabolism of erythrocytes in healthy rabbits under the influence of cortisone B. S. Berezovskiy, Probl. endok. i gorm. 9 no. 1, 7-12 Jo-F '63

Effect of gentamicin C on phosphorus metabolism of Bacillus brevis G. B. V. M. Glazer, S. A. Silaeva, S. V. Shestakov, Biokhimiya 31 no. 6, 1135-1141 N-D '66

Effect of succinic acid on phosphorus metabolism in germinating kernels of spring wheat G. A. Kirillova, Biol. Glav. bot. sada no. 63, 80-80 '66

Effect of the joint-body fraction X-ray irradiation on the processes of absorption of radioactive phosphorus by the hard tooth tissues of white rats I. U. A. Fedorov, Vop. radiobiol. 4, 189-198 '61

PHOSPHORUS ORGANIC COMPOUNDS see Organo-phosphorus compounds

## PHOSPHORYLATION

Effect of poisons inhibiting glycolytic phosphorylation on respiration in frogs S. V. Osnov, Trudy LPMI no. 12 117-119 '65

Effect of salin and sarcosine on oxidizing phosphorylation of mitochondria of tumorous and normal cells I. N. Romanova, Z. V. Kuzmina Vop. med. khim. 12 no. 6, 586-591 N-D '66

Influence of cholelone gonadotropin on some oxidative processes in animal tissues A. M. Kuzin, N. F. Lebedeva, Probl. endok. i gorm. 9 no. 1, 31-39 Jo-F '63

Mechanism of the disturbance of oxidative phosphorylation processes in experimental irradiation L. V. Mityayeva, Vop. radiobiol. 1, 172-178 '61

Oxidative phosphorylation in liver mitochondria of irradiated rats and following "aging" of microsome T. N. Smirnova, F. F. Romanov, Radiobiologiya 6 no. 5, 678-681 '66

Phosphorylation of polyethylene and butadiene rubber, G. F. Rezhik and others Vysokom. sood. 1 no. 11, 1677-1681 N '62

## PHOTOCHEMISTRY

Effect of light on kinetics of conjugated electrochemical reactions in the process of solution of microcrystals in HF-HNO<sub>3</sub> mixture, Part 2, Regularities in the change of self-dissolution rate of silicon with potential in the dark and under steady illumination, F. F. Rezhik, S. O. Izmailov, Elektrokhimia 2 no. 11, 1282-1290 N '66

Mechanism of photochemical grafting of methacrylamide to polymers containing acetate group S. K. Kudina, Vysokom. sood. 8 no. 10, 1828-1834 O '66

Mechanism underlying two-photon sensitization of bond breaking in organic molecules at 77°K V. V. Rylov, V. E. Kholmogorov, Dokl. AN SSSR 171 no. 2, 395-398 N '66

Photochemical reaction in the system FeCl<sub>2</sub>-HgCl<sub>2</sub>, A. A. Neoumov, I. I. Ditung, B. A. Dalin, Ukr. khim. zhur. 12 no. 12 1280-1284 '66

Photochemical reactions in analytical chemistry, Report No. 1, Using photochemical reaction of manganous (VI) to manganous (IV) for its titrimetric determination in sulfuric acid solutions A. A. Nemodruk, E. V. Bezrogova, Zhur. anal. khim. 21 no. 10 1210-1216 '66

Photopotential of β-carotene film, G. G. Komissarov, I. U. S. Shumov, Dokl. AN SSSR 171 no. 5, 1205-1208 D '66

Radical pairs in photolytic decomposition of azobisisobutyronitrile studied by electron paramagnetic resonance method I. A. S. Lebedev, Dokl. AN SSSR 171 no. 2, 379-381 N '66

Two-photon sensitization of C-I bond breaking in ethyl iodide in the presence of aromatic compounds V. V. Rylov, V. E. Kholmogorov, Zhur. fiz. khim. 40 no. 11, 2908-2909 N '66

## PHOTOCONDUCTIVITY

Photoconductivity of SbI<sub>3</sub> and BiI<sub>3</sub> single crystals under high hydrostatic pressure K. G. Gulyanov and others Fiz. tver. tela 8 no. 7, 2084-2086 JI '66

Photoconductivity spectra of germanium crystals doped with oxygen and irradiated by fast electrons I. P. Akhimenko, V. S. Vavilov, A. P. Polnikov, Fiz. tver. tela 8 no. 7, 1081-1084 JI '66

Radiative impurity recombination in germanium V. P. Dobrego, S. M. Ryvkin, I. S. Shlimak, Fiz. tver. tela 8 no. 7, 2124-2129 JI '66

Some physical properties of semiconductor compound CsSiP<sub>2</sub> A. G. Dyckov and others Izv. AN SSSR, Neorg. mat. 2 no. 11, 2078-2079 N '66

Structure of photoconductivity zone of ZnSiP<sub>2</sub> N. A. Gorkunova, S. S. Gligor'ian, L. B. Zaitkin, Izv. AN SSSR, Neorg. mat. 2 no. 12 2125-2129 D '66

## PHOTOELASTICITY

Investigating stress concentration around a circular hole in a hyperbolic shell using the photoelastic method, I. U. I. Volozhnikov, V. I. Savchenko, M. D. Fenchak, Koms. napravl. no. 1, 86-92 '65

Photoelastic properties of cubic ZnSe near fundamental absorption edge in crystals K. K. Dubenskii, A. A. Kaplanskii, N. G. Lozavakha, Fiz. tver. tela 8 no. 7, 2058-2073 JI '66

## PHOTOELECTRIC CELLS

Eliminating photocell instability in flame photometers, T. E. Sergeeva, Stek. i ker. 23 no. 11 27-28 N '66

## PHOTOELECTRIC MEASUREMENTS

Determining time, longitude, latitude, and azimuths by the photoelectric method, Lian Tsien-tun (Liang Tseng-yung), Izv. vyz. ucheb. zav., good aerof. no. 1, 73-88 '63

Measurement of the components of a complex voltage using a photoelectric comparator, B. K. Grigorovskii, K. L. Kulikovskii, Avtomatika no. 3, 128-130 '66

Measuring the transverse shift of the fabric during its longitudinal movement on the machines of the dyeing and finishing departments, A. I. Soldatov, Izv. vyz. ucheb. zav., tekhn. tekst. prom. no. 5, 142-145 '66

Photoelectric and spectrographic observations of bursts of AD Leo B in 1965, R. E. Gersberg, P. F. Chugatnov, Astron. zhur. 43 no. 6, 1168-1178 N-D '66

## PHOTOELECTRIC MEASUREMENTS (Continued)

Physical method of observations on appearance of water sprays and on surface of ground under snow. I. P. Dzhur. Izv. Akad. Nauk SSSR, 1971, no. 2, 127-130, 1 fig.

## PHOTOELECTRIC MULTIPLIERS

Nature of the noise of some photoelectric multipliers and a method of its reduction. V. P. Shumilov and others. Radiotekhnika i elektronika, 1971, no. 12, 2191-2195, 2 figs.

## PHOTOELECTRICITY

Comparison of optical and photoelectric studies of ZnSIP single crystals. L. B. Zlatkin, R. V. Novikov. Izv. Vys. Shkol, 1971, no. 2, 12255-2257, 2 figs.

## PHOTOGRAMMETRY

Automatic control of photogrammetric processes. I. S. Trofimov. Izv. Vys. Shkol, 1971, no. 11, 15-17, 1 fig.

Some remarks on photogrammetric method for distance determination. O. S. Jaber. Dop. AN URSR, 1971, no. 14, 7, 1 fig.

Stereophotogrammetric method for investigating underwater relief. A. M. Solodovnikov. Izv. Vys. Shkol, 1971, no. 1, 120-23, 1 fig.

## PHOTOGRAPHIC CHEMISTRY—THERMODYNAMICS

Thermodynamic theory of photographic process. E. I. Galashin. Dokl. AN SSSR, 1971, no. 2, 366-369, 1 fig.

## PHOTOGRAPHIC EMULSIONS

Hyperconcentrating of extra-fine grained nuclear emulsions with triethanolamine. R. R. Novikova, V. I. Zakharov. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 86-90, Mr-Apr '62.

Investigating dye adsorption to silver halides. Part 2. Desorption of dyes from the AgBr surface. S. M. Solov'ev, V. I. Rodionova. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 81-85, Mr-Apr '62.

Physical ripening of the mixture of silver chloride and silver bromide in emulsions. I. M. Prokhorov. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 148-150, Mr-Apr '62.

Quantum yield of the photographic process on silver halide layers. V. I. Shestakov. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 141-142, Mr-Apr '62.

Resolving power of photographic layers. I. R. Protas and others. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 95-102, Mr-Apr '62.

Role of gelatin concentration during the emulsification of fine-grained emulsions. V. V. Vasil'ev, K. S. Lishikov. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 148-148, Mr-Apr '62.

## PHOTOGRAPHIC EMULSIONS—SPECTRA

Specific characteristics of the formation of J-polymers on the microcrystals of various silver iodobromide emulsions. M. K. Orlov, S. V. Natanson, M. A. A. Perovich. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 142-145, Mr-Apr '62.

## PHOTOGRAPHIC EMULSIONS—TESTING

Use of the comparison standard in measuring the graininess of photographic images. V. Romer. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 91-95, Mr-Apr '62.

## PHOTOGRAPHIC INTERPRETATION

Spectral reflecting capacity of soils and farmlands in the arid steppe zone. V. G. Polnikov, N. A. Raspolozhenskii. Vest. Moak un Ser. 5: Geog., 1971, no. 8, 85-87, N-D '66.

Studying the energy distribution of a light flux reflected by the soil cover. I. U. S. Tolchelnikov. Dokl. Inst. geog. Sib. i Dal', 1971, no. 10, 35-39, '65.

## PHOTOGRAPHIC SENSITOMETRY

Determining the sensitivity of electrophotographic layers. I. Z. Plavina. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 145-148, Mr-Apr '62.

Fluctuation sensitivity limit of the photographic method for the recording of radiation. I. U. A. Anan'ev, A. A. Mak. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 128-132, Mr-Apr '62.

Information approach to the evaluation of sensitivity in photography and television. Part 1. Shortcomings of the existing systems of sensitivity evaluation and the information criterion of sensitivity. S. B. Gurevich. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 133-140, Mr-Apr '62.

Sensitometer for pigment paper. A. G. Emdin. Poligr. proizv., 1971, no. 9, 15-17, 1 fig.

## PHOTOGRAPHY

Chernil', V. T. [Photographic illustration, "drawing with light," transformation, combination printing] Fotolustratsiya, svetopis', transformatsiya, fotomontazh. Moskva, Kngs, 1966. 277 p. illus.

## PHOTOGRAPHY—DEVELOPING AND DEVELOPERS

Investigating temperature effects on the photographic development. Part 8. Dependence of the kinetics and energy of activation of the development on the state of the latent image. V. I. Shcherbakov, K. V. Vandrovtsev. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 103-111, Mr-Apr '62.

Using a new automatic developing device to develop colored and spectroscopic aerial photographic film. N. P. Lavrova. Izv. Vys. Shkol, 1971, no. 2, 121-123, '62.

## PHOTOGRAPHY—RESEARCH

Symposium on the new photographic processes. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 160, Mr-Apr '62.

## PHOTOGRAPHY—SCIENTIFIC APPLICATIONS

Fluctuation sensitivity limit of the photographic method for the recording of radiation. I. U. A. Anan'ev, A. A. Mak. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 128-132, Mr-Apr '62.

## PHOTOGRAPHY, AERIAL

(see also subdivision under Novostibsk) Conference in the Moscow Engineering Institute for Geodesy, Aerial Photography, and Cartography. Izv. Vys. Shkol, 1971, no. 2, 110-152, '62.

Determining the gradient of slopes and the manner of occurrence of rock beds from aerial photographs. V. M. Voevoda. Izv. Vys. Shkol, 1971, no. 2, 115-120, '62.

Effect of atmospheric haze on aerial color photography. N. I. Bogachkov. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 112-120, Mr-Apr '62.

Using a new automatic developing device to develop colored and spectroscopic aerial photographic film. N. P. Lavrova. Izv. Vys. Shkol, 1971, no. 2, 121-123, '62.

Using a profilograph for constructing wave profiles from an aerial photograph. V. A. Mangarcev. Izv. Vys. Shkol, 1971, no. 2, 63-68, '62.

## PHOTOGRAPHY, AERIAL—EQUIPMENT AND SUPPLIES

Aerial photographic apparatus for selecting the film type. I. R. Zaitov, S. I. Tsypurin. Izv. Vys. Shkol, 1971, no. 2, 77-81, '62.

Tape shutter for the AFA-12 100 aerial apparatus. B. H. Rodionov. Izv. Vys. Shkol, 1971, no. 2, 93-96, '62.

## PHOTOGRAPHY, BALLISTIC

Directed propulsion of bodies by the explosion products. G. M. Linkov. PMTF, 1971, no. 3, 11-12, My-Ju '62.

## PHOTOGRAPHY, LEGAL

Khar'kovskii Iuridicheskii institut. [Problems of forensic photography, summary of lectures for students of Khar'kov Law Institute] Voprosy sudobnoto fotografirovaniya i konpekt teksta dlia studentov Khar'kovskogo iuridicheskogo instituta. Khar'kov, 1965. 44 p.

## PHOTOGRAPHY, SUBMARINE

Experience in submarine photography. O. F. Khudova. Trudy Okean. kom. 14, 30-38, '62.

Use of submarine cinematography and photography for measuring turbulent coefficients in natural conditions. A. V. Maler. Trudy Okean. kom. 14, 43-44, '62.

## PHOTOGRAPHY IN NUCLEAR PHYSICS

Hyperconcentrating of extra-fine grained nuclear emulsions with triethanolamine. R. R. Novikova, V. I. Zakharov. Zhur. nauch. i prikl. fiz. i khim., 1971, no. 2, 86-90, Mr-Apr '62.

## PHOTOGRAPHY OF CLOUDS

Possibility of using aerial photography for studying convective clouds. G. F. Prikhod'ko. Meteor. i gidrol., 1971, no. 12, 53-54, D '66.

## PHOTOMETERS

Photometer for studying spectral functions of attenuation of irradiation in sea. G. S. Krabashov. Okeanologiya, 1971, no. 5, 88-89, '66.

## PHOTOMETRY

Device for quantitative evaluation of histochemical reactions. I. U. M. Medvedevskii, B. I. Moiseenko. Biotsika, 1971, no. 5, 823-8, '63.

Extraction-photometric determination of silver impurity in pure selenium and tellurium by means of 1,3-di-(β-naphthyl)thiocarbazono. V. G. Tiptsova, A. M. Andreichuk, L. A. Bazhanova. Zhur. anal. khim., 1971, no. 10, 1170-1182, '66.

Photometric threshold level indicator. L. G. Ulianov, A. G. Baev. Mash. i elekt. obor., 1971, no. 9, 33-39, '66.

## PHOTOMETRY, ASTRONOMICAL

Photoelectric observations of VW Cephei. K. Kalchakov, I. U. L. Trutsev. Izv. AN Turk. SSR, Ser. fiz. i tekhn., 1971, no. 6, 13-16, '62.

Photographic photometry of meteors attached to the daily paths of stars. A. Gulmedova, S. Kulov, S. Khandovlev. Izv. AN Turk. SSR, Ser. fiz. i tekhn., 1971, no. 2, 128-129, '61.

## PHOTONS

Dependence of probability of many-photon ionization of atoms on photon stream intensity. G. S. Vokno. Zh. eksp. i teoret. fiz., 1971, no. 5, 1106-1108, N '66.

Physico-theoretic and neutron theory of photons. V. I. Berzinskii. Zhur. eksp. i teoret. fiz., 1971, no. 5, 1174-1181, N '66.

## PHOTOPERIODISM

Effect of photoperiodic reaction on some species and varieties of leguminous plants. F. I. Reznichenko. Sel'sk. biol., 1971, no. 6, 826-831, '66.

Effect of the day length on the growth and development of carrot varieties. L. V. Sazonova. Zhur. eksp. i teoret. fiz., 1971, no. 5, 1180-1188, '61.

Morphological and physiological analysis of the varieties of long-day and short-day crops grown in different geographical regions and under different light conditions. M. I. Rybakova. Izv. Vys. Shkol, 1971, no. 2, 99-104, '62.

Photoperiodic reaction of silkworm (Bombyx mori) caterpillars in relation to the temperature conditions of the development. M. I. Bahanych. Dop. AN URSR, 1971, no. 1518-1520, '62.

Reaction of cotton to the change in photoperiodic conditions in ontogenesis. N. G. Shumilova, I. U. L. Trutsev. Sel'sk. biol., 1971, no. 6, 870-875, '66.

## PHOTOSYNTHESIS

Carbon metabolism by the purple sulfur bacterium Chlorobacterium vibrioforme. L. K. Osutskaya, V. I. Chukhina. Mikrobiologiya, 1971, no. 5, 769-773, 4 figs, '62.

Change in chlorophyll-protein-lipid complex stability in plants treated with medium rich in chlorophyll, acetic acid. S. M. Mashtakov, I. I. Paromchik. Dokl. AN SSSR, 1971, no. 14, 792-793, 1 fig, '66.

Changes in photosynthesis intensity in corn in the course of vegetative period. Z. G. Dudko. Dokl. AN URSR, 1971, no. 9, 701-703, 1 fig, '66.

Changes in polyphenoloxidase, peroxidase and lipoxygenase activity of leaf chloroplasts following gamma radiation. A. M. Kurin, N. P. Korolev. Radiatsiya i biol., 1971, no. 6, 898-901, '66.

Characteristics of the optic system of a Chlamydomonas and its photosynthetic activity. S. V. Tchernova and others. Izv. AN SSSR, Ser. biol., 1971, no. 3, 81-101, My-Ju '63.

Diurnal dynamics of photosynthetic factors in a fruit tree crown. Report No. 2: Diurnal changes in the light conditions in various parts of an apple tree crown and the rate of CO<sub>2</sub> assimilation by various leaves of the crown. I. A. D. Romashko, Ukr. bot. zhur., 1971, no. 1, 56-61, '67.

Formation of chlorophyll by purple and green bacteria during their photoautotrophic and photoheterotrophic development. L. V. Moshontseva, I. M. Kondratyeva. Mikrobiologiya, 1971, no. 2, 199-202, Mr-Apr '62.

Inhibiting substances in afterglow residues of field crops and in weeds. Report No. 2: Effect of volatiles excretions on seed germination and photosynthesis of plants. A. M. Il'inskiy and others. Ukr. bot. zhur., 1971, no. 1, 66-72, '63.

Intensity of photosynthesis in winter barley in fall. B. N. Chukuridi, G. R. Matukhin, V. I. Sevast'yanov. Sel'sk. biol., 1971, no. 6, 810-810, '66.

Optical properties of artificial pigment-lipoprotein complexes. I. U. L. Trutsev, L. T. Khudova. Dokl. AN URSR, 1971, no. 12, 32-36, '66.

Photosynthesis and lipoxygenase changes in various corn forms as affected by 2, 4-D and 2,4-DX. S. M. Vashina, I. I. Paromchik. Dokl. AN SSSR, 1971, no. 9, 651-654, '66.

Photosynthesis and metabolic processes in the apple tree in connection with the growth and aging of leaves. K. S. Harbaba, O. K. Kondratyuk, Ukr. bot. zhur., 1971, no. 1, 44, '63.

Photosynthetic activity and yield of peas as related to the absorbing capacity of the root. V. G. Roklan, G. P. Ustenko, I. M. Fotsko. Agroklimat, no. 12, 51-57, D '66.

Study of photosynthetic pigment systems by emission and excitation spectra of chemoluminescence of chlorophyll in higher plants. F. F. Litvin, V. A. Slavov. Mikrobiologiya, 1971, no. 6, 1264-1275, N-D '66.

## PHTHALAZINE

Quantitative determination of sarcosine, leucogen and apressino. I. A. M. Perel'man, K. I. Evstratova. Aja. delo, 1971, no. 1, 45-49, Ju-T '63.

## PHTHALIC ACID

Use of dibutyl phthalate as plasticizer in the production of industrial goods from polymeric materials. I. A. Turonko, S. V. Kostaruk. Khim. prom. Ukr., 1971, no. 6, 20-21, N-D '66.

## PHTHALIC ACID—SPECTRA

Infrared spectra of esters of phthalic and 3-nitrophthalic acids with ethylene glycol and the determination of molecular mass of polyesters. I. I. Shchegolev, E. A. Kiva. Zhur. fiz. khim., 1971, no. 11, 2774-2778, N '66.

## PHTHALIC ANHYDRIDE

Production of phthalic anhydride at Goriyova By-Product Coke Plant. V. I. Filipov and others. Koks i khim., 1971, no. 10, 48-49, '66.

## PHTHALIMIDE CRYSTALS

Polarization of the fluorescence of crystals of phthalimide derivatives. A. M. Sarzhovskii, Dokl. AN BSSR, 1971, no. 9, 556-559, 1 fig, '62.

## PHTHALIMIDES

Luminescence of phthalimides in crystallizing media. I. F. Gladebunko, L. G. Pikulnik. Dokl. AN BSSR 6 no. 8:165-168 Ag '62

## PHTHALOCYANINES

Crystal structure of phthalocyanine and conductance of systems consisting of metal coated with phthalocyanine film. S. D. Levina and others. Elektrokhimia 2 no. 11:1313-1345 N '66

Some fluctuation processes observed in field-emission microscope in adsorption of copper phthalocyanine molecules. Ch. Kleim. Izv. AN SSSR, Ser. fiz. 30 no. 12:1957-1963 D '66.

## PHYCOERYTHRINS—SPECTRA

Polarization fluorescence spectra of phycoerythrin. L. A. Chernitskii, S. V. Konev. Biofizika 8 no. 5:561-8 '63

## PHYLOGENY

Characteristics of the reaction to antidiuretic hormone in phylogeny. V. F. Vasil'eva, A. G. Ginetinskii, M. M. Sokolova. Fiziol. zhur. 46 no. 10:1240-1245 O '62

## PHYSICAL AND THEORETICAL CHEMISTRY see Chemistry, Physical and theoretical

## PHYSICAL EDUCATION AND TRAINING

[Champions are not born] Chempionami ne rozhdaetsia. Zhevar', "Udmurtitsa," 1965. 78 p.

Concern of the Communist Party and of the Soviet Government for the development of physical culture and sports for the health of the nation. S. I. A. Chikin. Sov. med. 29 no. 12:3-6 D '66

Effect of warm-ups and some psychological factors on mobilizing preparedness in athletes. Filip Gorov. Teor. i prakt. fiz. kul't. 29 no. 11:35-37 N '66.

Mass participation in physical culture. I. Zubkov. Part. zhizn' no. 3:41-45 Ja '67.

Reliability problem in sports. V. B. Korenberg. Teor. i prakt. fiz. kul't. 29 no. 11:22-25 N '66.

The role of anthropometry in physical education and sports and its relation to anthropology. P. N. Bakhitov. Voprosy no. 8:20-160

Sports for everyone. V. Alekseev. V mlie knig 6 no. 11 no. 11:13-14 N '66.

Ushcheva, T. S. L. [Physical education of adolescents] Fizichesko vospitanie podrostkov. Moskva, Meditsina, 1966. 42 p. (Nauchno-populjarnaja meditsinskaja literatura)

## PHYSICAL EDUCATION AND TRAINING—RESEARCH

Scientific library of All-Union Scientific Research Institute of Physical Culture. G. Buhlov. Teor. i prakt. fiz. kul't. 29 no. 11:72-73 N '66.

## PHYSICAL EDUCATION FOR CHILDREN

The health of children and the development of their movements. G. Saitov. Doshk. vosp. 39 no. 12:9-10 D '66

## PHYSICAL GEOGRAPHY

(see also subdivision under Caucasus; Maritime Territory)

Basic climatic belts of natural zonality and its manifestation on lands of the globe. E. N. Lukashova. Vest. Mosk. univ. Ser. 5: Geog. 21 no. 6:11-25 N-D '66

Grigor'ev, A. A. [Structural and developmental characteristics of the geographical environment; selected theoretical works] Zakonomernosti stoenia i razvitiia geograficheskoi sredy, izbranyye teoreticheskie raboty. Moskva, Mysl', 1966. 381 p.

Physiogeographical study of cities. A. S. Krutikov. Uchi. zap. Volg. gos. ped. inst. no. 18:115-120 '64.

## PHYSICAL GEOGRAPHY—PROBLEMS, EXERCISES, ETC.

Mashkova, G. B., and N. I. A. Podopolev. [Practical exercises in the physical geography of the U.S.S.R.] Praktikum po fizicheskoi geografii SSSR. Pod red. A. M. Arkhangel'skogo. Moskva, Vysshaya shkola, 1966. 195 p.

## PHYSICAL INSTRUMENTS

Highly effective ionizer for polarized ion source. R. P. Stobovpy'skiy, I. M. Karnaukhov. Ukr. fiz. zhur. 11 no. 11:1253-1263 N '66.

## PHYSICAL OPTICS see Optics, Physical

## PHYSICAL THERAPY

Sochi. Nauchno-issledovatel'skii institut kurortologii i fizioterapii. [Materials of a scientific report session on the results of scientific work in 1963-1964 (February-May 1965)] Materialy nauchno-otchebnogo sessii po itogam nauchnykh rabot za 1963-1964 gg. (fevral'-mai 1965 goda). Sochi, 1965. 287 p. [DNLN MICROFILM]

## PHYSICS AND PATIENT

Krein, I. U. Z. [Seven days a week; notes of a surgeon] Sem' dney v nedelu, zapiski khirurga. Moskva, Sov. Rossiya, 1967. 165 p.

## PHYSICIANS

The role of mathematics in studying the history of medicine. E. D. Grigorian. Izv. Sev.-Oset. nauch.-issl. inst. 25:310-325 '66.

## PHYSICS

Zhuravlev, V. A. [Physics] Fizika. Izd. 2, 1 spr. 1 dop. Kiev, Zdozov'ia, 1966. 527 p.

## PHYSICS—ABSTRACTS

[Physics] Ref. zhur. i fiz. no. 1 Ja '67.

## PHYSICS—CONGRESSES

Gorodskaya konferentsiya po voprosam obshchey i prikladnoy fiziki. Alma-Ata, 1965. [Some problems in general and applied physics. Transactions] Nekotoryye voprosy obshchey i prikladnoy fiziki, trudy. Alma-Ata, Izd-vo "Nauka" Kazakhskoi SSR, 1965. 200 p.

## PHYSICS—HISTORY

Three letters from Russian physicists to V. I. Rozenblat. V. I. Rozenblat. Usp. fiz. nauk 60 no. 5:511-511 N '66

## PHYSICS—PHILOSOPHY

Marxist-Leninist philosophy and modern physics. P. Dyshlevy. Komm. Ukr. 41 no. 1:61-71 Ja '67. N. A. Umov on the methodological aspects of the physical models of life. A. I. Alekhan. Vest. Mold. univ. Ser. 8: Filoz. 21 no. 5:82-89 S-O '66

## PHYSICS—PROBLEMS, EXERCISES, ETC.

Individual assignments in physics. G. I. Ketsman. Vech. shkola 2 no. 6:33-36 N-D '66.

Kaplan, P. L. [Physical problems] Fizicheskie zadachi. Moskva, Znaniye, 1966. 15 p. (Novoe v zhizni, nauke, tekhnike IX Seriya. Fizika, matematika, astronomiya, no. 24)

Kutsenko, A. N., and I. V. Rublev, eds. [Problems for a general physics course] Sbornik zadach po obshchemu kursu fiziki. [By] L. G. Gurevich. Moskva, Vysshaya shkola, 1966. 407 p.

## PHYSICS—STUDY AND TEACHING

Connection of physics with biology in classroom and extracurricular studies. T. B. Kats. Sov. pedagog. 40 no. 5:52-57 Jc '66.

Forms and methods of combining the physics classroom with the usual training of students. Vladimir Chiryanovskii. Nauch. rab. stud. i nauch. gos. ped. inst. no. 1:70-78 '63.

Higher mathematics in a physics course. B. A. Lyapunov. Vech. shkola 2 no. 6:21-29 N-D '66.

## PHYSIOLOGICAL APPARATUS

Compensation method for measuring the pressure of extracranial fluid and injecting gases into the cranial cavity by means of the VAK-15 apparatus. A. A. Kiselev. Zhur. novykh tekhn. 66 no. 12:1802-1805 '66

A simple method for the continuous recording of gastric juice flow. L. V. Hina. Dokl. AN BSSR 6 no. 6:304-301 Jc '62

Tape winding mechanism for actigraphy. F. F. Oglenko. Sov. med. 28 no. 3:100-110 Nr '63

## PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

## PHYSIOLOGICAL PSYCHOLOGY see Psychology, Physiological

## PHYSIOLOGY

[Achievements of science. Human and animal physiology, 1965] Itogi nauki i fizilogia cheloveka i zhivotnykh, 1965. Itogi nauki i Akad. nauk SSSR 1966. 225 p. (Seriya. Biologiya)

Review of L. I. Ovininikov's book "Research on physiology and pathology of digestion performed in L. P. Pavlova laboratory" E. N. Speranskaya, A. N. Uglev. Fiziol. zhur. 48 no. 10:1263-1266 O '62.

## PHYSIOLOGY—CONGRESSES

Nauchnaya konferentsiya po probleme "Fiziologiya i patologiya korotko-vizualizirovannykh vzaimootnoshenii i funktsionalnykh sistem organizma." [Materials of the Scientific Conference on the Problem "Physiology and Pathology of Corticovisceral Correlations and Functional Systems of the Body"] Materialy, Ivanovo, in-fiziologii AN SSSR. Vols. 1-2. 1965. 2 v.

## PHYSIOLOGY, COMPARATIVE

[Achievements of science: Human and animal physiology, 1963] Itogi nauki i fiziologiya cheloveka i zhivotnykh 1963. Moskva, Akad. nauk SSSR, 1965. 125 p.

Methodology for the formation of an isolated pouch on the ventral rumen. V. F. Vraklin. Fiziol. zhur. 48 no. 10:1282-1284 O '62.

## PHYSIOLOGY, PATHOLOGICAL

Indices of reactivity in the morphology of general adaptation syndrome. I. I. Finkel'. Probl. endok. i gorm. 9 no. 1:82-89 Ja-F '63.

## PHYSOSTIGMINE

Intensification with cholinolytic agents and weakening with eserine of disorders of conditioned response induced by phenamine. E. L. Shefel'manov. Zhur. vys. nerv. deiat. 18 no. 4:740-747 J1-Ag '63.

## PHYTOBENTHOS see subdivision under Balkai, Lake

## PHYTONCIDES

Method of phytoncide therapy and the process of preparing phytoncide preparations. G. A. Tugiev. Azerb. med. zhur. no. 7:33-36 J1 '62

## PHYTONCIDES—OPTICAL PROPERTIES

Luminescence of some volatile phytoncides of higher plants. M. B. Razumovich, I. V. Batkov. Dokl. AN BSSR 6 no. 9:566-568 S '62

## PHYTONCIDES—THERAPEUTIC USE

Use of flutic acid with phytoncides in burns. V. M. Kozlov. Travn. i med. no. 1:153-157 '65

## PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

## PHYTOPATHOGENIC FUNGI see Fungi, Phytopathogenic

## PHYTOPHORA—CULTURES AND CULTURE MEDIA

Ratio between contents of caffeic and chlorogenic acids as an index of potato tuber resistance to Phytophthora infestans. V. E. Sokolova. Prikl. biokhimiya i mikrobiol. 2 no. 6:675-681 N-D '66

## PHYTOPLANKTON

(see also subdivision under Kuchurgan, Lake)

Dependence of light saturation of two marine species of dinoflagellates on a number of factors. D. K. Kikina. Okeanologiya 6 no. 5:861-866 '66

## PHYTOSOCIOLOGY

Ecologic and phytocenotic classification of ash forests of the White Russian S. S. R. I. D. Urkevich. Dokl. AN BSSR 6 no. 5:583-585 S '62

## PIANO—INSTRUCTION AND STUDY

Kremenishin, B. L. [Training independence in students in a special piano class] Vospitanie sa mostotatel'nosti uchshicheskogo v klasse spetsial'nogo fortepiano. Moskva, Muzyka, 1966. 118 p. (V ponoshech' pedagogu-muzykantu)

## PICTYL CHLORIDE

Qualitative and quantitative method for determining cuprication with a base of pictyl chloride. K. A. Kornev, R. V. Voloshekhovskiy, A. F. Fainel'man. Khim. prom. [Ukr.] no. 3:60-62 N-S '62

## PICTURE INTERPRETATION TESTS

Perception of the depicted posture of a moving man by a child. P. Sh. Reshko. Vop. psikhol. 12 no. 6:153-163 N-D '66.

## PIERS

Calculating the reinforced concrete constructions of landing structures taking into account their creep. O. V. Pal'tchinskii. Trudy Sov. Mors. NII: ochno no. 9:95-101 '66

Studying the interaction of the piles of an open pier with the soil of the foundation. A. G. Novgalevskiy. Trudy Sov. Mors. NII: ochno no. 9:85-91 '66.

## PIEZOELECTRIC SUBSTANCES

Developing a piezoelectric method of prospecting for quartz and pegmatite veins in mines. M. P. Volokovich, G. A. Sobolev. Trudy Inst. fiz. Zem. no. 17:221-227 '66

Station PIET-3 for search and prospecting for quartz veins in underground mine workings. M. P. Volokovich and others. Trudy Inst. fiz. Zem. no. 37:271-281 '66.

## PIGMENTS

(see also subdivision under Antarctic regions)

Effect of alimazine on pigments and carbohydrate metabolism in plants. E. L. Kalina, I. S. Donomarov. Ukr. bot. zhur. 20 no. 1:52-55 '63

## PIGMENTS—SPECTRA

Optical properties of artificial pigment-lipoprotein complex. I. U. L. Gili, L. T. Khaitova. Dokl. AN Tadzh. SSR 3 no. 12:32-36 '66

## PIKE PERCH see subdivision under Moldavia

## PIPING (CIVIL ENGINEERING)

(see also subdivision under Leningrad)

Equipment for the construction of drilled piles with a widened base. G. L. Gakhin. Transp. stroit. II no. 12:54-55 D '61

Russia (U.S.S.R.). Gosudarstvennyi komitet po delam stroitel'stva. [Standard specifications and estimates for construction, assembly, and repair operations] Edinye normy i raschetnyye stroitel'nye, montazhnye i remontno-stroitel'nye raboty. Moskva, Stroizdat. Sbornik 13. [Piping] Svalnye raboty, 1965. 80 p.

## PILOCARPUS—PHYSIOLOGICAL EFFECT

Effect of conditioned reflex stimulation of the autonomic (pilocarpine) salivation. S. L. Levin, A. I. Makhlingor. Zhur. vys. nerv. deiat. 12 no. 3:457-464 My-Jc '62.

## PINE see subdivision under Russia, Northern

## PINK BOLLWORM

We eliminated the danger. V. Anikina. Zashch. rast. II no. 12:49 '66.

## PINK SALMON

Antibiotic activity of blood in pink salmon larvae. B. V. Chentso. Trudy VIMBI no 12 187-188 '66  
Relationship of size and growth rate of pink salmon larvae to the size of eggs. A. V. Shcheglov. Trudy VIMBI no 12 15-17 '66

## PINK SALMON—DISEASES AND PESTS

Characteristics of miltomiasis, a phenomenon in pink salmon parram. L. V. Pradnitsa, I. G. Khodorova. Trudy VIMBI no 12 129-136 '66

## PINK SALMON—PHYSIOLOGY

Chemical analysis of pink salmon (*Oncorhynchus gorbuscha* Walb.) in gradient conditions of salinity and temperature. G. D. Boshiro. Trudy VIMBI no 12 63-73 '66

## PIONEERS (COMMUNIST YOUTH)

(see also subdivision under Chita Province, United States)

A conference of the directors of rural places of the Pioneer. L. Vorobey. Nauka no 12 115-116 '66

## PIOTROVICH, VIL'GEL'M VLADELAVOVICH, 1905-

Vil'gel'm Vladislavovich Piotrovich, on his 60th birthday. Meteorologichesk. no 12 52 '66

## PIPE

Features of the assembly of the process piping of chemical enterprises. V. G. Naumov. Mont. i spets. rab. v stroit. 25 no 10, 13-14 '63

## PIPE—FLUID DYNAMICS

Determining pressure loss during film regime in annular pipes. Ch. S. Guseinov. Azerb. neft. khoz. 45 no 9 26-29 '66

## PIPE—HYDRODYNAMICS

Hydrodynamic resistance in a seamless rolled ribbed pipe. I. G. Taranian. Izv. AN Arm. SSR Ser. tekhn. nauk. 19 no 5 3-8 '66

Pipeline as a link in the system of automation control. R. M. Rudman. Sbornik nauch. i inzh. nauch. 7 140-145 '66

## PIPE, ASBESTOS-CEMENT

Columns and framing of asbestos-cement pipes. Stroitel. arkhit. 11 no 8 20-22 '63

Gas pipelines of asbestos cement. F. Rasulev. Stroitel. arkhit. Uzb. 6 no 4 8-9 '65

## PIPE, CAST IRON

Conditions of ingot cooling during pipe casting. V. G. Slanov. V. I. Semko. Lit. proizv. no 12 23-25 '66

## PIPE, CLAY—PERMEABILITY

Effect of shrinkage phenomena on the permeability of ceramic sewer pipe. B. V. Lebedev, R. M. Zalotis. Steklo i ker. 23 no 12 18-20 '66

## PIPE, COPPER—WELDING

Welding of copper pipelines. F. V. Aistrebav, V. M. Lemish. Mont. i spets. rab. v stroit. 28 no 12 18-19 '66

## PIPE, GLASS

Bench for welding the fittings of glass pipelines. B. M. Slonimer. Mont. i spets. rab. v stroit. 25 no 10 16-18 '63

## PIPE, PLASTIC

Introduce polyethylene piping into residential construction. P. Rebrov. Zhil. stroit. no 12 23-24 '66  
Use of synthetic materials for gas pipelines. B. I. Losev, M. L. Monina. Trudy IGI 18 234-252 '62

## PIPE, PLASTIC—TESTING

Relaxation disintegration of pipes made from high density polyethylene. M. N. Boyshitskiy. Plast. massy. no 9 52-57 '62

## PIPE, STEEL

Designing and installing electric wiring in steel pipes. N. S. Movsesov. Mont. i spets. rab. v stroit. 25 no 9 21-23 '63

\* the industrialization of the installation in steel pipes. G. I. Gurevich. Mont. i spets. rab. v stroit. 25 no 9 23-25 '63

R. G.

pipe welding  
26 no 12

A. K.

Razv. 1

S. B. M.  
10-18-18

## PIPE INDUSTRY WORKERS see subdivision under Petrovsk (Sverdlovsk Province)

## PIPE MILLS

Geometric parameters of the seat of deformation in continuous pipe forming. P. I. Polukhin, I. A. Vutkin, V. A. Rylov. Izv. vuzov. khim. i metall. 9 no 12 91-93 '66

## PIPE MILLS—DESIGN AND CONSTRUCTION

Studying the safety factor and operating conditions of pipe mill manipulators. V. P. Kucherenko and others. Izv. vuzov. khim. i metall. 9 no 12 161-167 '66

## PIPE MILLS—ELECTRIC EQUIPMENT see subdivision under Chelyabinsk

## PIPE MILLS—TRANSMISSION DEVICES

New transmission for cold pipe rolling mill stands. N. K. Kozhevnikov and others. Izv. vuzov. khim. i metall. 9 no 12 168-169 '66

## PIPE MILLS—VENTILATION see subdivision under Azerbaijan

## PIPECOLINE

Diminution of hypotension with predominant brain symptoms. A. I. Sezonova. Zhur. nevrolog. i psikh. 63 no 1 58-60 '63

## PIPELINES

Attaching pipelines to outside walls of buildings. G. I. Akhenshtein. Prom. stroit. 14 no 11 1 '66

Color coding of pipe systems and its role in architectural composition of modern enterprises. V. Blokhin. Tekhn. SSSR no 12 58-59 '66

Value of the coefficients of hydraulic resistance of lens compensators. S. V. Chuvpakhov, M. P. Utkina. Energomashinostroyeniye 8 no 8 20-30 '62

## PIPELINES—BUILDINGS AND STRUCTURES

Practice in introducing payments for the finished buildings and structures. S. Leon, Ekon. stroit. 8 no 12 41-45 '66

## PIPELINES—CATHODIC PROTECTION

Nonlinear equations relating to problem of cathodic protection of pipe systems from corrosion. V. N. Ostapenko. Vychisl. mat. (Kiev) no 2 154-160 '66

Planning joint corrosion prevention. N. P. Badaev, D. Ia. Averbukh. Gaz. prom. 11 no 11 29-31 '66

## PIPELINES—DESIGN AND CONSTRUCTION

Construction of large gas pipelines by industrial methods. V. B. Popovskiy, G. V. Linevich, G. A. Ritschik. Mont. i spets. rab. v stroit. 29 no 12 1-5 '66

Design of pipelines with consideration of external loads. B. V. Rudomino. Energomashinostroyeniye 8 no 8 20-21 '62

Selection of arrangement and materials for supports of self-supporting pipelines. S. P. Golikov. Prom. stroit. 41 no 11 23-26 '66

## PIPELINES—EQUIPMENT AND SUPPLIES

Using "Krab-2" television unit for sag pipe inspection. G. S. Andriyev, I. U. F. Kozlovskiy. Gaz. prom. 11 no 11 25 '66

## PIPELINES—MAINTENANCE AND REPAIR

Tikhonov, V. V. (System of planned preventive maintenance of installations of system of main pipelines) Sistema planovogo preduprezhdeniya i remonta sooruzheniy i chorudivaniya magistral'nykh truboprovodov, Moskva, Nedra, 1966, 178 p.

## PIPELINES—TESTING

Hydrodynamic bases for determining the time for testing the airtightness of columns. S. G. Gurbanov. Dokl. AN Azerb. SSR 18 no 4 3-6 '62

## PIPERAZINE

Experimental demonstrative work in the control of ascariasis in the Tajik S. S. R. V. I. Matveichuk and others. Med. paraz. i paraz. bol. 32 no 2 140-144. Mr.-Ap. '63

## PIPERAZINEETHANOL

Use of fluphenazine in the treatment of schizophrenics resistant to therapy. M. Ia. TSufel'kovskaya, A. B. Smulevich. Zhur. nevrolog. i psikh. 67 no 1 130-133 '67

## PIREAREV, INNOKENTII IUL'EVICH, 1894-1966

I. U. Pirearev; obituary. Vest. stat. no 12 70-77 '66

## PIKLOVO (KURSK PROVINCE)—WORLD WAR, 1930-1945—AERIAL OPERATIONS

This was in the environs of Kursk. S. Maslennikov. Kryl i rod. 17 no 9 7 '66

## PISTON RINGS

Temperature of the piston rings of marine internal combustion engines in the course of operation. V. M. Zamoruev. Trudy LITV no 82 66-70 '66

## PISTON RINGS—MEASUREMENT

Device for determining the shape of a piston ring. A. A. Starosel'skiy, K. A. Fel'kner. Izv. tekhn. no 6 13-14 '62

## PISTONS

Quality of pistons cast into a chill. A. M. Chokha. Izv. vuzov. no 11 9-10 '63

## PITCH

Influence of high-temperature pitch upon microstructure formation of graphitized electrodes. G. V. Dmitriyeva, M. A. Ryss, A. S. Smirnova. Koks i khim. no 12 25-29 '66

## PITCH—TESTING

Changes in properties of coal pitch during oxidation. R. K. Omegov, E. D. Ter-Pogossian. Koks i khim. no 10 25-27 '66

## PITUITARY BASOPHILISM see Cushing's syndrome

## PITUITARY BODY

Dependence of the reactivity of the developing organism to pharmacological agents from the function of the pituitary-adrenal system. I. V. Mankova. Trudy LPMF no 47 87-95 '65

Importance of the hypophysis in the reaction of the acceleration of cholesterol synthesis in response to irradiation. K. A. Tret'yakova. Biokhimiya 27 no 5 801-804 '62

Pathological media of the hypophysis under conditions of salt loading. I. L. Soboleva. Biol. zhurn. i med. 55 no 5 108-111 '63

Role of the hypophysis in the development of hyperglycemia following a local irradiation. E. I. Kuznetsov, R. Ia. Keltina. Vop. radiobiol. 4 33-38 '61

State of the hypophysis-thyroid gland system in rats in the process of inducing liver tumors by means of paradiethylaminoozonobenzene. V. P. Grinchishin. Vop. onk. 12 no 11 10-13 '66

Vasopressor activity and histochemical characterization of posterior lobe of hypophysis in normal and irradiated rats. I. R. Bagdasarian, S. H. Babadzhanyan. Radio biologia 6 no 5 750-752 '66

## PITUITARY FOSSA—RADIOGRAPHY

Tomography of the sella turcica. E. D. Pasykovskaya. Trudy Novokuz. GIMUZV 72 114-116 '65

## PITUITARY HORMONES

Effect of some hormones of the supranuclear glands and hypophysis on the state of immunogenesis following ionizing radiation action on the organism. I. N. Kiselev, V. A. Semina. Vop. radiobiol. 4 278-286 '61

Effect of the pituitary preparation Adiposin on the hydrolytic activity of fatty tissue and the content of neutralified (free) higher fatty acids in the serum. S. M. Lavrenko, N. K. Davtian. Biol. zhurn. i med. 55 no 5 60-63 '63

Effect of thyrotropic hormone preparations from the hypophysis of man and bulls by proteolytic enzymes. I. I. Ivanova, D. I. Grodzonskiy. Tr. obshch. nauch. i med. 9 no 1 23-26. Jan. '63

## PITYRIASIS VERSICOLOR

Comparative characterization of various methods of treatment of pityriasis versicolor. B. L. Il'in. Sov. med. 26 no 3 15-17 '63

## PLACENTA—PERMEABILITY

Permeability of the placenta. T. G. Moiseeva. Sov. med. 26 no 3 64-69 '63

## PLACER DEPOSITS

(see also subdivision under Ishim Valley; Soviet Far East; West Siberian Plain)

Placer manifestations of titanium and zirconium in carbonate sediments of southern part of Dnieper Basin. V. A. Ivanova. Min. syr. i met. no 11 155-161 '66

## PLAGUE

Bacteriophage and mycel in therapy of experimental plague induced by streptomycin-resistant forms of the plague bacillus. I. N. Alekshina and others. Trudy Gos. nauch.-issl. protivochum. inst. 16 3-11 '59

Chronic plague forms in laboratory animals. Report No. 1. Resistance of white mice to repeated inoculation. I. B. Adimov. Trudy Gos. nauch.-issl. protivochum. inst. 16 37-42 '59

Functional state of vessels in experimental plague. K. M. Mokhin. Trudy Gos. nauch.-issl. protivochum. inst. 16 53-61 '59

Hemorrhagic mechanism in plague. Report No. 2: Capillary resistance in experimental plague. I. E. Kiseleva. Trudy Gos. nauch.-issl. protivochum. inst. 16 63-70 '59

Pathomorphology of chronic plague forms in experimental animals. Z. D. Khakhina. Trudy Gos. nauch.-issl. protivochum. inst. 16 43-52 '59

Pathomorphology of experimental plague treated with streptomycin. Report No. 1: Forms of plague induced by conjunctival inoculations. O. N. Trubchaninova. Trudy Gos. nauch.-issl. protivochum. inst. 16 10-25 '59

Pathomorphology of experimental plague treated with streptomycin. Report No. 2: Pathomorphology of experimental plague induced by conjunctival inoculation and treated with streptomycin. O. N. Trubchaninova. Trudy Gos. nauch.-issl. protivochum. inst. 16 27-31 '59



## PLAGUE (Continued)

Therapeutic effect of combinations of antibiotics used in experimental plague induced by streptococci-resistant forms of the plague bacillus. I. S. Tinkov, I. N. Vashina, L. N. Vankina-Ovsitka. Trudy Gos. nauch.-issl. prirodochum. inst. 16:13-18 '59.

Transplacental (passive) transfer of plague antibodies to the progeny of guinea pigs. M. I. Levit, I. U. G. Suchkov. Biol. zhurn. 55:11-15 '63.

## PLAGUE—CONGRESSES

Sredno-aziatiskii nauchno-issledovatel'skii prirodochumnyi institut [Materials of a scientific conference on natural foci and prevention of plague, February 1963]. Materialy nauchnoi konferentsii po prirodnoi ochagovosti i profilaktike chumnykh, rev. izd. 1963 g. Oly. red. M. A. Aikimbaev. Red. O. V. Afanas'eva i V. P. Khristoforovskii. Alma-Ata, 1963. 200 p. [DNLN MICROFILM]

## PLAGUE—MICROBIOLOGY

Chronic plague forms in laboratory animals. Report No. 2. Virulence of the agent of chronic plague forms. L. B. Adimov. Trudy Gos. nauch.-issl. prirodochum. inst. 16:31-35 '59.

## PLAGUE—PREVENTIVE INOCULATION

Immunological kinship of Pasteurella pestis and Pasteurella pseudotuberculosis. S. I. Zlapalova, V. M. Khokhlova, Trudy Gos. nauch.-issl. prirodochum. inst. 16:97-104 '59.

## PLANING RULLS

Vertical hydrofoil with a minimum inductive resistance. V. A. Goshov. Trudy LITV no. 81:50-51 '65.

PLANKTON see subdivision under Baltic, Lake; Black Sea, Brestsk Province, Norwegian Sea

PLANKTON—COMPOSITION see subdivision under Black Sea

## PLANT BREEDING

(see also subdivision under Kazakhstan)

Akademiya nauk SSSR, Sibirskoe otdeleniye, Institut tsitologii i genetik. [Experimental polyploidy in plant breeding]. Ekspozitsionnaya poliploidiya v selektsii rastenii, Novosibirsk, Nauka, 1966. 347 p. (DNLN)

Aikhanov, S. I. [Theoretical bases of Michurin's theory on the transformation of plants]. Teoreticheskie osnovy ucheniya Michurina o periodike rastenii. Moskva, Nauka, 1966. 86 p.

Dubinin, N. P. [Theoretical bases and methods of I. V. Michurin's work]. Teoreticheskie osnovy i metody rabot I. V. Michurina. Moskva, Prosvetshenie, 1968. 182 p.

Volumetric measurement of the vegetative organs of plants in breeding work. V. S. Novosilov, V. D. Ruzanov. Trudy Un. druzh. nar. 14:Se'khoz. nauk. no. 1:105-112 '66.

PLANT COMMUNITIES see subdivision under Dniester Valley

## PLANT CUTTINGS

Propagation of Rhododendron ponticum L. by cuttings. S. N. Prikhodko. Biol. Glav. bot. sada no. 63:21-22 '66. Stimulating grapevine cuttings in a field of high voltage. G. D. Kuchava. Trudy GRUZNII MSKIIA 6 no. 2:47-56 '62.

## PLANT DISEASES

Significance of phytochemical properties of protoplast in plant immunity. B. A. Rubin, V. A. Aksentova, R. V. Savchenko. Vest. Mosk. un. Ser. 6 Biol., pochr., 21 no. 4:73-79. 41-Ag '66.

PLANT DISEASES—RESEARCH see subdivision under Lithuania

PLANT DISEASES—STUDY AND TEACHING see subdivision under Lithuania

## PLANT INTRODUCTION

(see also subdivision under Kolchida Lowland)

Biological characteristics of the saltwort Salicornia rigida Pall. and practices in its introduction in the piedmont semidesert of Uzbekistan. Z. Sh. Shamsutdinov. Rast. res. 2 no. 4:539-540 '66.

Winter hardiness of introduced woody plants. N. V. Shkutko, A. A. Chakhovskii. Biol. Glav. bot. sada no. 63:6-10 '66.

Wintering of introduced trees and shrubs during 1963/64 in Tiflis. V. I. Gumenjak. Biol. Glav. bot. sada no. 63:3-6 '66.

## PLANT LICE

Agricultural practices and plant lice on beet roots. V. K. Minorskii. Zashch. rast. 11 no. 11:27-28 '66.

Determination of pectinases in salivary glands and intestines of some plant lice. L. A. Sobetskii, M. A. Derzhavina. Izv. AN Mold. SSR no. 5:89-97 '65.

## PLANT LICE—BIOLOGICAL CONTROL

Effect of insecticides (phosphothion, imidathion, and solapex) on the natural enemies of aphids. Y. I. Zeleny. Khim. v sel'. khoz. 4 no. 12:21-24 D '66.

## PLANT PHYSIOLOGY

Klimashevskii, E. L. [Physiological characteristics of root feeding of different corn varieties in the non-Chernozem zone, physiological essays on variety]. Fiziolohicheskie osobennosti kornevoogo pitaniia raznykh sortov kukuruzy v chernozemnom polose; ocherki fiziologii sorta. Moskva, Nauka, 1966. 149 p. (DNLN)

## PLANT POPULATIONS

Studying the motility character of the varietal populations of wheat according to the length of their vernalization stage. G. I. Ibadat'ulagimov. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:1-8 '61.

## PLANT PROPAGATION

Studying clonal propagation methods for timothy grass and orchard grass. V. G. Volkova. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:131-141 '61.

PLANT QUARANTINE see subdivision under Estonia; Latvia

PLANTAIN see subdivision under Cherny Gory

## PLANTERS (AGRICULTURAL MACHINERY)

Effect of the working speed of tractor-driven machinery on the quality of cheskiyowing. A. I. Ivanovskii. Trudy GRUZNII MSKIIA 6 no. 2:115-121 '62.

SZS-6 grain stubble planter. V. F. Maniakin. Traki i sel'khoz. mash. no. 12:31 D '66.

## PLANTERS (AGRICULTURAL MACHINERY)—DYNAMICS

Dynamics of the motion of a mounted sowing unit. A. E. Bozhnov. Zap. LSKHII 96:13-17 '65.

Equations describing the motion of a mounted sowing unit. A. B. Lin'ev, A. E. Bazhenov. Zap. LSKHII 96:5-12 '65.

## PLANTERS—CHEMICAL ANALYSIS

Chemical characteristics of the fruit of various sour cherry species. S. I. Ivenenko, V. P. Petrova. Biol. Glav. bot. sada no. 63:94-95 '66.

Chemical composition of swamp plants. E. I. Skobetva, S. N. Tiumenov. Vest. Mosk. un. Ser. 6 Biol., pochr., 21 no. 4:51-63. 41-Ag '66.

Chemical systematic studies of the Far Eastern species of Angelica. L. G. K. Nikonen, M. G. Pimenov. D. B. Zoln. Rast. res. 2 no. 4:505-513 '66.

Colorimetric method of determining reducing embohydrides. V. G. Reutskii, L. P. Smoljak. Dokl. AN SSSR 10. no. 12:991-993 D '66.

Content of soluble sugars and free amino acids in the buds and leaves of some species of citrus fruits marked by various intensity of winter dormancy. L. I. Surkova. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:261-270 '61.

Hexosamine-containing compounds of the lipopolysaccharide type in the leaves of higher plants. B. N. Gladyshev. Biokhimiia 28 no. 2:210-215. 41-Ap '63.

Results of the study of physiological and biochemical changes in lemon seedlings grafted on Citrus ichangensis. G. D. Chkhaidze. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:270-276 '61.

## PLANTS—FROST RESISTANCE

Frost resistance of fruit trees. I. I. Timonov. Izv. AN SSSR, Ser. biol. no. 3:459-464. 41-Je '63.

## PLANTS—METABOLISM

Change in carotene content in connection with the metabolism of starvation in plants. A. S. Morozov. Trudy Un. druzh. nar. 14:Se'khoz. nauk. no. 1:218-221 '66.

Some indices of metabolism characterizing the productivity of plants under various conditions of nutrition and light. G. D. Gubari, O. E. Kletsberg, S. Kh. Kislakina. Agrokhiimiia no. 12:18-53 D '66.

Some processes of metabolism in Opuntia cactinanchica Engelm. at Big S. N. Prikhodko, E. V. Topitskaya, N. P. Savchenko. Biol. Glav. bot. sada no. 63:92-94 '66.

## PLANTS—NUTRITION

Akademiya nauk URSS. [Physiological and biochemical principles of plant nutrition]. Fizioloho-biokhimiicheskie osnovy pitaniia rastenii. Kiev, Naukova dumka, 1966. 189 p. (Respublikanskii mezhvedomstvennyi sbornik, Seriya "Fiziologiya rastenii")

Organization of control of root nutrition of sugar beets. I. A. Dobovik. Izv. Kir. fil. Vses. ob-va pochr., no. 2:93-98 '63.

Some indices of metabolism characterizing the productivity of plants under various conditions of nutrition and light. G. D. Gubari, O. E. Kletsberg, S. Kh. Kislakina. Agrokhiimiia no. 12:10-53 D '66.

## PLANTS—REPRODUCTION

Some data on vegetative reproduction of weeds in the northern part of the Volga-Akhtuba Floodplain. M. N. Koblova. Uch. zap. Volg. gos. ped. ins. no. 16:11-23 '64.

## PLANTS—RESPIRATION

Effect of the respiration of infected tobacco leaves on the accumulation of tobacco mosaic viruses. L. I. Mukozobova. Trudy Inst. gen. no. 26:180-194 '62.

PLANTS—RESPIRATION—BIOLIOGRAPHY see Bibliography—Plants—Respiration

PLANTS—WATER REQUIREMENTS see subdivision under Caspian Lowland

PLANTS, CULTIVATED—DISEASES AND PESTS see subdivision under Kazakhstan

## PLANTS, EFFECT OF ACETIC ACID ON

Effect of trichloroacetic acid on the development and absorptive capacity of tomato roots. L. P. Moskalenko. Khim. v sel'. khoz. 4 no. 12:45-49 D '66.

## PLANTS, EFFECT OF AMMONIUM NITRATE ON

Effect of superphosphates and ammonium nitrate on the yield and oil content of sunflower seed in salinized soils. A. I. Asafiev. Khim. v sel'. khoz. 4 no. 12:13-14 D '66.

## PLANTS, EFFECT OF ANTIBIOTICS ON

Effect of antibiotic substances on the tomato tumors caused by Pseudomonas tumefaciens. A. D. Kovshinskiy. Mikrobiologiya 31 no. 5:827-831 D '62.

Effect of antibiotics on the growth of Chlorella vulgaris and associated microflora in joint cultivation. I. V. Mal'shina, M. N. Pimenova. Mikrobiologiya 31 no. 5:904-909 S-O '62.

## PLANTS, EFFECT OF BORON ON

Effect of molybdenum, boron, and cobalt on the accumulation of dry matter in plants. A. S. Morozov, T. A. Efimova. Trudy Un. druzh. nar. 14:Se'khoz. nauk. no. 1:43-46 '66.

Effectiveness of using boron and manganese for sugar beets in Sverdlovsk. I. R. Uzbashina, N. R. Mel'nikova. Sock. Lab. agrokhiim. AN Arm. SSR no. 4:71-75 '61.

## PLANTS, EFFECT OF COBALT ON

Effect of cobalt and molybdenum on the nitrogen, potassium, and phosphorus content of plants. A. S. Morozov. Trudy Un. druzh. nar. 14:Se'khoz. nauk. no. 1:40-42 '66.

Effect of cobalt on the yield and some biochemical indices of sugar beets and corn. N. G. Al'sheva. Agrokhiimiia no. 12:80-88 D '66.

Effect of molybdenum, boron, and cobalt on the accumulation of dry matter in plants. A. S. Morozov, T. A. Efimova. Trudy Un. druzh. nar. 14:Se'khoz. nauk. no. 1:43-46 '66.

## PLANTS, EFFECT OF ELECTRICITY ON

Stimulating grapevine cuttings in a field of high voltage. G. D. Kuchava. Trudy GRUZNII MSKIIA 6 no. 2:47-56 '62.

## PLANTS, EFFECT OF FUSARIC ACID ON

Stimulating effect of fusaric acid on plants. V. S. Ponomareva. Biol. Glav. bot. sada no. 63:83-86 '66.

## PLANTS, EFFECT OF GAMMA RAYS ON

Changes in polyphenoloxidase, peroxidase and lipoxygenase activity of leaf chloroplasts following gamma irradiation. A. M. Kuzin, N. P. Kozlov. Radiobiologiya 6 no. 5:898-901 '66.

Effect of chronic gamma irradiation on wheat and barley plants in the year of irradiation. N. N. Kozhushko. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:310-317 '61.

Effect of gamma irradiation at various periods of plant development. N. N. Kozhushko. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:317-321 '61.

Effect of seed irradiation on cytoplasmic mobility, oxidative phosphorylation, and adenosine triphosphatase activity of mitochondria in cells of corn radicles. M. G. Tal'bekov, E. N. Kazanisev, S. V. Tagayeva. Radiobiologiya 6 no. 5:731-733 '66.

Effective use of irradiation of potato tubers before planting. L. S. Lurie, N. S. Prokofiev, V. S. Sechenkov. Radiobiologiya 6 no. 5:741-743 '66.

Increase in barley yield by pre-sowing gamma irradiation of its seeds. V. N. Savin, A. A. Shutov. Radiobiologiya 6 no. 5:749-750 '66.

Postirradiation recovery following irradiation of seeds of different moisture. E. V. Fesenko, N. A. Porladkova. Radiobiologiya 6 no. 5:731-740 '66.

Role of quinones in appearance of late aftereffects of ionizing radiation. A. M. Kuzin, N. Norbaev, G. Parpleva. Radiobiologiya 6 no. 5:728-730 '66.

## PLANTS, EFFECT OF GIBBERELLIN ON

Effect of gibberellin on English oak seedlings. M. A. Guzeva. Biol. Glav. bot. sada no. 63:98-101 '66.

Effect of gibberellin on mineral metabolism in plants. A. S. Morozov. Trudy Un. druzh. nar. 14:Se'khoz. nauk. no. 1:215-217 '66.

## PLANTS, EFFECT OF HUMIDITY ON

Studying the effect of temperature and moisture on the pollen viability of Citrus ichangensis. N. M. Tolozina. Sbor. trud. asp. i mol. nauch. sotr. VIR no. 2:277-281 '61.

## PLANTS, EFFECT OF IRON ON

Effect of various concentrations of Fe<sup>2+</sup> in aqueous culture on the growth and development of fern plants. V. N. Kurayev. Agrokhiimiia no. 12:110-117 D '66.

## PLANTS, EFFECT OF IRON ON (Continued)

Influence of iron on the growth of seeds and growth of wheat sprouts. P. A. Kolesnikov, V. A. Mutuskin. *Biokhimiya* 28 no. 2:245-253. Mir, M. 1963.

On the role of iron in the metabolism of plants and animals. V. I. Gerasimov, S. M. Farkhova. *Sel'khoz. biol.* 1 no. 6:809-815. 1965.

## PLANTS, EFFECT OF LIGHT ON

Biological characteristics of the state of a plant leaf in light and in darkness. O. O. Likhin. *Biokhimiya* 8 no. 1:612-618. 1963.

Correlation between the intensity of light and the value of the ratio of chlorophyll a to b in woody plants. V. S. Vakula. *Dokl. AN BSSR* 6 no. 9:589-591. 1962.

Effect of light on germination of pollen grains. I. M. Holubnyak. *Dop. AN URSSR* no. 11:1199-1201. 1966.

Some indices of metabolism characterizing the productivity of plants under various conditions of nutrition and light. G. D. Gubari, O. E. Krut'ko. *S. Kh. Kristallizatsiya Agroklimata* no. 12:48-53. D. 1966.

## PLANTS, EFFECT OF MANGANESE ON

Effectiveness of using boron and manganese for sugar beets in Sotak District. I. R. Uzbaslan, N. R. Melnikova. *Sob. Lab. agroklim. AN Arm. SSR* no. 4:71-75. 1961.

## PLANTS, EFFECT OF MOLYBDENUM ON

Effect of cobalt and molybdenum on the nitrogen, potassium, and phosphorus content of plants. A. S. Morozov. *Trudy Un. družn. na. 14 Sel'khoz. nauk* no. 140:42. 1966.

Effect of molybdenum, boron, and cobalt on the accumulation of dry matter in plants. A. S. Morozov, T. A. Efremova. *Trudy Un. družn. na. 14 Sel'khoz. nauk* no. 143:46. 1966.

Effect of phosphorus-potassium and molybdenum fertilizers on the yield of red clover seeds. A. A. Marchuk. *Pochv. ust. i chetk. udob.* no. 1:142-144. 1963.

## PLANTS, EFFECT OF PHOSPHATES ON

Effect of nitrogen supplements and land placement of superphosphates in Chernozems of Kuybyshev Province. A. A. Fakhomov. *Khim. v sel'khoz.* 1 no. 12:15-17. D. 1965.

Effect of superphosphates and ammonium nitrate on the yield and oil content of sunflower seed in salinized soils. A. I. Asat'ev. *Khim. v sel'khoz.* 4 no. 12:13-14. D. 1966.

## PLANTS, EFFECT OF PHOSPHORUS ON

Comparative effectiveness of various forms of phosphorus fertilizers in tea plantations. O. G. Oniani. *Subtrop. kult.* no. 3:18-34. 1966.

Intensity of P<sub>32</sub> absorption by pine and some other plant species covering soil. B. I. Likhachev. *Dokl. AN BSSR* 10 no. 9:698-700. S. 1966.

## PLANTS, EFFECT OF POTASSIUM ON

Effect of potassium fertilizers in soils of Chuvashia. E. I. Grigor'ev, I. M. Baryshev. *Khim. v sel'khoz.* 4 no. 12:62-63. D. 1966.

## PLANTS, EFFECT OF RADIATION ON

Quinone formation in plants with different radiosensitivity. A. M. Kuzin, N. Norbaev, G. Parpleva. *Radiofizika* 6 no. 6:902-903. 1966.

Radiosensitivity of corn pollen. V. N. Lysikov, V. S. Semina, V. I. Madis. *Gen. i sel'sk. khoz.* no. 1:188-191. 1965.

Significance of cultivation conditions in radioresistance of plants. N. N. Nazirov. *Radiofizika* 6 no. 6:904-907. 1966.

## PLANTS, EFFECT OF SOIL MOISTURE ON

Effect of soil moisture on the beginning and end of vegetation in seedlings of fruit plants and oak. I. U. L. Gusev. *Trudy Inst. gen.* no. 26:103-111. 1962.

## PLANTS, EFFECT OF SUCCINIC ACID ON

Effect of succinic acid on phosphorus metabolism in germinating kernels of spring wheat. G. A. Kirillova. *Blul. Glav. bot. sada* no. 63:85-89. 1965.

## PLANTS, EFFECT OF TEMPERATURE ON

Change in phosphorus metabolism under low temperatures in the root zone. Z. V. Titova, S. S. Andreenko. *Sel'khoz. biol.* 1 no. 6:835-841. 1965.

Effect of low temperatures on the growth and development of different varieties of bulbaceous and rhizomatous ornamental plants. V. V. Skripichinskii. *Sbor. tr. asp. i mol. nauch. sot. VIR* no. 2:328-332. 1961.

Methodology for determining the heat resistance of plants in field conditions. K. A. Akhmatov. *Blul. Glav. bot. sada* no. 63:81-83. 1966.

Requirements of various grape species to temperature conditions. A. M. Mamedov. *Izv. AN Azerb. SSR. Ser. nauk o zem.* no. 4:154-159. 1966.

Studying the effect of temperature and moisture on the pollen viability of *Citrus ichangensis*. N. M. Tololala. *Sbor. tr. asp. i mol. nauch. sot. VIR* no. 2:277-281. 1961.

Use of mineral fertilizers for spring wheat in conditions of a dry summer. V. N. Meshchanov. *Khim. v sel'khoz.* 4 no. 12:61. D. 1966.

## PLANTS, EFFECT OF TRACE ELEMENTS ON

Effect of trace elements on the yield of potatoes in Polesye. V. G. Ipp and others. *Pochv. ust. i chetk. udob.* no. 1:131-141. 1963.

Trace elements and yield of crop plants. I. I. Shcherbina, A. A. Shashchuk, E. N. Kuznetsov. *Pochv. ust. i chetk. udob.* no. 1:124-130. 1963.

Use of some trace elements in mountain meadows in Armenia. E. S. Kazarian. *Sob. Lab. agroklim. AN Arm. SSR* no. 1:77-81. 1961.

## PLANTS, EFFECT OF THIAZINE ON

Effect of thiazine on pigments and carbohydrate metabolism in plants. T. L. Kalina, H. V. Ponomareva. *Blul. bot. zhur.* 20 no. 1:72-75. 1963.

## PLANTS, EFFECT OF ULTRAVIOLET RAYS ON

Effect of passing irradiation of seeds with ultraviolet rays. T. N. Godnev, L. V. Kokhovich. *Dokl. AN BSSR* 10 no. 9:697-697. S. 1966.

## PLANTS, EFFECT OF X RAYS ON

Effect of X rays on spore germination and gametophyte development in fern (*Pteris longifolia* L.). I. N. Vokhovskaya, A. I. Nefedova. *Radicholegija* 6 no. 5:711-718. 1966.

## PLANTS, EFFECT OF ZINC ON

Effect of zinc trace element on the yield of lemon trees. K. B. Talakadze. *Subtrop. kult.* no. 3:91-94. 1966.

## PLANTS, FLOWERING OF

(see also subdivision under Kuban)

Dynamics of the flowering of corn in Dzharkhagan Desert. T. Myntaev. *Vest. AN Kazakh SSR* 18 no. 1:73-78. Ja. 1963.

Some characteristics of the structure of blossom of the blue alfalfa (*Medicago coerulea* Less.). R. K. Dzhabayeva. *Dokl. AN Azerb. SSR* 18 no. 4:73-76. 1962.

## PLANTS, GASES IN

Oxidation of NADH<sub>2</sub> by subcellular fractions with participation of peroxidase and molecular oxygen. P. L. Petrachenko, P. A. Kolesnikov. *Biokhimiya* 31 no. 6:117-120. N-D. 1966.

## PLANTS, ORNAMENTAL

Effect of low temperatures on the growth and development of different varieties of bulbaceous and rhizomatous ornamental plants. V. V. Skripichinskii. *Sbor. tr. asp. i mol. nauch. sot. VIR* no. 2:328-332. 1961.

## PLANTS, PROTECTION OF

(see also subdivision under Baltic States, Estonia; Gissar Valley, Latvia; Lithuania; Pavlodar Province; Sakauli District; Tajikistan, Turkmenistan)

Brief reports. L. Tupikova and others. *Zashch. rast.* 11 no. 11:58-60. 1966.

Give the 50th anniversary of the Great October a worthy welcome. *Zashch. rast.* 11 no. 12:1-2. 1966.

Responses to our articles. *Zashch. rast.* 11 no. 12:41-42. 1966.

## PLANTS, PROTECTION OF—RESEARCH see subdivision under Kharkov; Lithuania, Tajikistan

## PLANTS, PROTECTION OF—STUDY AND TEACHING see subdivision under Kharkov

## PLANTS, SEX IN

Embryological investigation of the change of sex in hemp. Kh. U. Rudenko. *Ukr. bot. zhur.* 20 no. 1:11-20. 1963.

## PLANTS, SPACE ARRANGEMENT OF

Effect of fertilizers and space arrangement on productivity of sugar beets. D. A. Akimov. *Izv. Kir. fil. Vses. obshch. nauch. i mol. nauch. sot. VIR* no. 2:89-93. 1963.

## PLASMA (IONIZED GASES)

Allowing for distortion of cylindrical apparatus in optical measurements of viscous incompressible flow. A. A. Antsevich. *Ukr. fiz. zhur.* 11 no. 11:1238-1242. N. 1966.

Asymptotic shape of trail of fast-moving body in rarefied plasma. N. I. Bud'ko. *Geomag. i aer.* 6 no. 6:1008-1012. N-D. 1966.

Aximuthal drift of charged particles in axially symmetric magnetic field with mirrors. V. M. Balabanov, N. N. Semashko. *Atom. energ.* 21 no. 6:500-501. D. 1966.

Cylindrical waves in rarefied plasma in presence of strong "collisionless" dissipation. I. U. A. Beizim, R. Kh. Kurtmullayev. *Fiz. gor. i vryva* no. 3:81-86. 1966.

Distribution of concentration and density of particle flux in vicinity of small body moving in rarefied plasma. V. S. Knaizuk, A. M. Moskalenko. *Geomag. i aer.* 6 no. 6:997-1007. N-D. 1966.

Fluctuation-dissipation ratio for nonequilibrium systems. O. I. Sytenko. *Ukr. fiz. zhur.* 11 no. 11:101-106. N. 1966.

Gas laser in magnetic fields. M. I. Diakonov, S. A. Fridl'nov. *Usp. fiz. nauk* 90 no. 4:555-600. D. 1966.

Generators of low-temperature gas-discharge plasma. M. F. Zhukov, G. U. Dautov. *Vest. AN SSSR* 36 no. 12:10-12. D. 1966.

Heating and dispersion of plasma produced by focusing laser pulse on solid target. N. G. Bessonov and others. *Zhur. eksp. i teor. fiz.* 51 no. 4:986-1000. O. 1966.

Longitudinal flow of plasma in an electric arc. I. R. Bron, L. K. Shashuk. *Biokhimiya* 31 no. 1:1-2. D. 1966.

Nonlinear evolution of disturbances in plasma and electron discharge media. I. U. A. Beizim, V. I. Kopteva. *Zhur. eksp. i teor. fiz.* 51 no. 5:557-566. N. 1966.

Nonlinear instability of optical frequency in partially ionized plasma. V. N. Rylovich. *Zhur. eksp. i teor. fiz.* 51 no. 5:1385-1388. N. 1966.

Nonlinear plasma motions with arbitrary velocity distribution of electrons. I. V. Akhiezer, V. I. Pavlenko. *Zhur. eksp. i teor. fiz.* 51 no. 1:272-274. O. 1966.

One-dimensional motion of a plasma lacking thermal equilibrium. V. M. Sarychev. *PMTF* no. 4:15. 1966.

One-dimensional unsteady motions of a plasma in an electric charge. I. V. Akhiezer, V. I. Pavlenko. *PMTF* no. 4:21-26. Mye-Je. 1966.

Origin and characteristics of a cathode glow in a high-frequency discharge. R. B. Shashuk and others. *PMTF* no. 4:15. 1966.

Plasma perturbation behind fast-moving body in nonuniform field. V. V. Vashlov. *Geomag. i aer.* 6 no. 6:1003. N-D. 1966.

Positive column between coaxial cylinders (partial report). A. M. Rezikhan. *Vest. AN Arm. SSR. Ser. 1* no. 1:2. 1966.

Quasi-linear theory of two-beam instability. A. A. V. R. K. Dokl. AN SSSR. 171 no. 5:1016-1019. D. 1966.

Radiation of charge in medium with constant instability. I. V. Chigunov. *Izv. vuz. nauch. zap. radiofiz.* 1 no. 6:151-154. 1966.

Thermophysical conditions of copper and bronze deposition on steel by plasma jet. A. B. Vukobratovic, M. I. Shorshchev, I. U. A. Beizim, Avtom. svet. 19 no. 1:10-51. N. 1966.

## PLASMA (IONIZED GASES)—ELECTROMAGNETIC PROPERTIES

Nonlinear effects in plasma. V. N. Rylovich. *Zhur. eksp. i teor. fiz.* 51 no. 1:135-139. N. 1966.

## PLASMA JETS—THERMAL PROPERTIES

Rapidly recombining plasma jet. I. I. Gaidzenko, A. I. Filipov, L. A. Shupina. *Zhur. eksp. i teor. fiz.* 51 no. 4:115-119. O. 1966.

## PLASMA MEMBRANES

Amino acid composition of cell walls of *Alcaligenes faecalis* and other variants of the same bacteria. M. B. Kabanova, O. M. Zakharenko. *Mikrobiol. zhur.* 28 no. 6:439-444. 1966.

## PLASMA OSCILLATIONS

Diffusion waves in plasma at finite pressure. A. B. Mikhailovskii, A. M. Filizman. *Zhur. eksp. i teor. fiz.* 51 no. 5:1430-1434. N. 1966.

Dynamics of quasi-linear relaxation of oscillations in plasma. A. A. Ivanov, I. I. Rudakov. *Zhur. eksp. i teor. fiz.* 51 no. 5:1522-1534. N. 1966.

## PLASMA LOGEN

Lipids. Part 12: New method of synthesizing neutral lipids. P. V. Sedukhina and others. *Tr. Inst. org. khim.* 2 no. 11:2004-2007. N. 1966.

## PLASTIC BEARINGS

Manufacturing sliding bearings with thin polymer coating. V. M. Shustakov. *Plast. massy* no. 9:1-3. 1966.

## PLASTIC FILMS

Photostabilization of polypropylene films for use in agricultural equipment. M. B. Nekrasov and others. *Plast. massy* no. 9:1-6. 1962.

Surface treatment of PK-4 films with stabilizing substances. M. I. Antropova and others. *Plast. massy* no. 9:1-6. 1962.

## PLASTIC FOAMS

Obtaining polystyrene foams with the continuous method directly from the monomer. V. A. Vokobratovic, I. A. Andrianov. *Plast. massy* no. 9:6-9. 1962.

## PLASTIC GREENHOUSES see Greenhouses, Plastic

## PLASTIC PIPE see Pipe, Plastic

## PLASTIC SURGERY see Surgery, Plastic

## PLASTICITY, EFFECT OF TEMPERATURE ON

High-temperature plasticity loss in titanium. B. A. Kolachev and others. *Trudy MFTI* no. 66:98-102. 1966.

## PLASTICIZATION

Chemical plasticization of polyvinyl chloride. A. G. Kromman, V. A. Kargin. *Vysokom. soed.* 8 no. 10:1743-1705. O. 1966.

Effect of chemical structure of plasticizer-monomer on polymer glass point. A. A. Tager, A. I. Suvorova. *Vysokom. soed.* 8 no. 10:1698-1702. O. 1966.

Effect of the size of plasticizer molecules on polymer glass point. A. I. Suvorova and others. *Vysokom. soed.* 8 no. 10:1692-1697. O. 1966.

Molding and plasticizing hydrolytic lignin. S. I. Sukhanovskii and others. *Gidroliz. i tekhnol. prom.* 19 no. 8:7-9. 1966.

## PLASTICIZATION (Continued)

Plasticization of crystalline polymers. Part 2: Effect of plasticizers on the mechanical properties of crystalline polyethylene. G. Sh. Talipov, I. I. Segolova, V. A. Kargin. *Vysokom soed.* 1 no. 11 1718-1721 N '62

Study of types of polyvinyl chloride plasticized by means of nuclear magnetic resonance. L. A. Chelobor'sova and others. *Vysokom soed.* 8 no. 10 1810-1813 O '66

## PLASTICIZERS

Effect of softeners on the strength of reclaimed rubber. E. M. Tsvetaev. *Kauch. i rez.* 21 no. 6 16-21 Je '62

Use of dibutyl phthalate as plasticizer in the production of industrial goods from polymeric materials. I. A. Turenko, S. V. Kostinuk. *Khim. prom. Ukr.* no. 6 20-21 N-D '66

## PLASTICS

(see also subdivision under Armenia)

Alkoids, A. [Plastics and their treatment] *Plastmasas un to apstrade*. Riga, Liepina, 1966, 129 p. [In Latvian]

Bratskykh, E. A., S. S. Mindlin, and K. N. Sirel'sov [Manufacturing articles of plastics] *Pererabotka plasticheskikh mass v izdelia. Pod obshch. red. E. A. Bratskykh*. Moskva, Khimika, 1966, 399 p.

Metallization of products made of plastics. N. V. Mirak-hovskii. *Plast. massy* no. 6 69-71 '62

Plastics are the order of the day. *Prom. Arm.* 9 no. 10 53-64 '66

Plastics today and tomorrow. *Prom. Arm.* 9 no. 10 53-64 '66

Tensiometric determination of glass-transition temperature. Y. M. Fritikh, E. Yu. Nekhendz. *Plast. massy* no. 12 61-62 '66

Use of dibutyl phthalate as plasticizer in the production of industrial goods from polymeric materials. I. A. Turenko, S. V. Kostinuk. *Khim. prom. Ukr.* no. 6 20-21 N-D '66

Using plastics for mat-making for etchings. V. K. Gindlin, A. I. Petruk. *Polyg. protzv.* no. 9 23-21 S '63

## PLASTICS—MOLDING

Casting-mold dies for polymer gear wheels made of fusible alloys. S. A. Osipenko, V. I. Stetsenko. *Prom. Bel.* 9 no. 12 12 O '66

Injection molding through pin-point gates. F. E. Glukhov, M. P. Shepenov. *Plast. massy* no. 9 38-30 '62

Special features of the processing of polyformaldehyde by molding under pressure. A. I. Lovitskaya, V. N. Gindlat, V. V. Lapshin. *Plast. massy* no. 12 31-37 '66

## PLASTICS—TESTING

Effect of some formula and technological factors on the adhesion of plastics. I. I. Gamberova and others. *Plast. massy* no. 6 35-38 '62

## PLASTICS—WELDING

Welding of molded machine parts made from polyamides and polypropylene. N. A. Grishin, N. N. Znamenskii, A. S. Brantseva. *Plast. massy* no. 9 64-66 '62

## PLASTICS IN BUILDING

(see also subdivision under Moscow)

Basic properties of glass plastics and their range of application in building. A. G. Zaitsev, A. I. Volk. *IU S. Cherkasskii. Sbor. trudy VNIINSM* no. 7 3-7 '66

Grishkovich, B. M. [Floating cone plastometers: Devices for determining the properties of building plastics; from materials of the All-Union Scientific and Research Institute of New Building Materials (VNIINSM)] *Popravkoye konusnyye plastometriy. Plibory dlia opredeleniya svoystv stroitel'nykh plastmass, po materialam Vsesoyuznogo nauchno-issledovatel'skogo instituta novykh stroitel'nykh materialov (VNIINSM)*. Moskva, Stroizdat, 1965, 16 p. (Novosti stroitel'noi tekhniki SSSR)

## [MICROFILM]

Koval'chuk, L. M., and A. S. Fildin, eds. [Manufacturing plastic-base structural elements] *Izgotovleniye stroitel'nykh konstruktiv na osnove plastmass*. Moskva, Stroizdat, 1966, 323 p.

Nomenclature of translucent building products from glass plastics. V. A. Dzugaev, N. A. Osnach, V. T. Popov. *Sbor. trudy VNIINSM* no. 7 18-14 '66

Study of sheet glass plastics in space structures. V. N. Gornov. *Sbor. trudy VNIINSM* no. 7 25-30 '66

Translucent panels from glass plastics. Z. N. Kvasnikov, G. G. Nikitin. *Sbor. trudy VNIINSM* no. 7 15-24 '66

## PLASTICS IN INDUSTRY see subdivision under White Russia

## PLASTICS IN SHIPBUILDING

Finishing the ship's living quarters with a polyvinyl chloride film. Sh. I. Amelichik. *Rech. transp.* 25 no. 12 30 '66

Some problems of designing and building ship hulls of plastic materials. I. U. Nozhaev. *Trudy Kal. tekhn. inst. ryb. prom.* 15 136-143 '62

Using polymers in shipbuilding. V. S. Dubrovskii, E. M. Kotikov. *Prom. Bel.* 9 no. 12 43-44 D '66

## PLASTICS IN THE AUTOMOBILE INDUSTRY

Polymer gear wheels in the tractor starting engine. S. A. Osipenko and others. *Prom. Bel.* 9 no. 12 30 D '66

## PLASTICS IN THE MACHINERY INDUSTRY

(see also subdivision under Gomer')

Kozlov, P. M. [Use of polymeric materials in situations operating under stress] *Primeneniye polimernykh materialov v konstruktsiakh, rabotayushchikh pod nagruzkoj*. Pod red. M. I. Garbura. Moskva, Khimika, 1966, 361 p.

Studying the efficient method of thermal processing of parts made from polyacetal. O. A. Gunde, I. M. Lyubshis. *Plast. massy* no. 9 24-28 '62

Using plastics for spindle bushings of rolling mills. G. L. Khutich, N. N. Belykh. *Vest. mashinost.* 16 no. 12 140-42 D '66

## PLASTICS INDUSTRY

Economic estimate of the effectiveness of the production of phenoplasts. R. G. Grigor'ev, A. G. Kaligolov. *Plast. massy* no. 12 27-31 '66

## PLASTICS MACHINERY

Dynamics and kinematics of the movement of granular plastic masses in the charge zone of screw-type machines. V. A. Sylin. *Khim. prom. Ukr.* no. 4 53-59 Ji '62

High-speed screw-type machinery for the extrusion of thermoplastics. D. D. Rabinin. *Khim. prom. Ukr.* no. 4 59-53 Ji-S '62

## PLASTICS MACHINERY—TESTING

Studying the effect of the changing conditions on the operating capacity of extrusion machinery. G. V. Sugalev, B. A. Olnev, E. Z. Bokareva. *Plast. massy* no. 9 45-50 '62

## PLATE TOWERS

Calculation of plate-type mass transfer apparatus. V. V. Popov, L. M. Popova. *Khim. i tekhn. topl. i masl.* 11 no. 11 40-42 N '66

Effect of physical properties of liquid phase on splash activity over in plate columns. I. I. Dynechuk, V. I. Andreev. *Khim. prom.* 12 no. 12 928-927 D '66

Effect of the removal of liquid on the efficiency of the plates of complete mixing. I. A. Aleksandrov. *Khim. i tekhn. topl. i masl.* 11 no. 12 37-41 D '66

Optimum operative conditions for the rectification column. D. D. Zyrov and others. *Koks i khim.* no. 6 44-49 '62

## PLATE TOWERS—DESIGN AND CONSTRUCTION

Assembling absorption columns. A. F. Riapolov, Mont. i spets. rab. v strol. 25 no. 10 8-10 O '63

Holding rectification columns weighing up to 300 t by the turning method. Z. B. Kharsa. *Mont. i spets. rab. v strol.* 25 no. 9 1-7 S '63

## PLATES, ALUMINUM—TESTING

Effect of small additions of high-melting elements on structure and properties of aluminum alloy sheet containing 5% Zn and 2% Mg. K. S. Kirpichnikov, V. I. Kulakov, M. T. Shebekina. *Trudy MATI* no. 66 147-156 '66

## PLATINUM—MAGNETIC PROPERTIES

Magnetic properties of adsorbed platinum. E. A. Rykina, V. B. Evdokimov, N. I. Kobozov. *Vest. Mosk. un. Ser. 2: Khim.* 17 no. 5 16-18 S-O '62

## PLATINUM CATALYSTS

Catalytic conversion of spiro-(5, 5)-undecane on a platinum catalyst. N. V. Elagina and others. *Neftokhimiya* 3 no. 5 663-667 S-O '63

## PLATINUM COMPOUNDS

Face-centered platinum tribromotetramine. I. I. Cherniaev, V. S. Orlova. *Zhur. neorg. khim.* 11 no. 11 2498-2502 N '66

Inner-sphere reactions of ethylenediamine in Werner complex (—)[Pt(en)<sub>2</sub>Cl<sub>2</sub>]. I. I. Cherniaev, N. Sh. Gladkaya, O. N. Adrianova. *Zhur. neorg. khim.* 11 no. 11 2478-2487 N '66

Nitroacetaldoxetramine compounds of platinum. I. A. Nozarova and others. *Zhur. neorg. khim.* 11 no. 11 2603-2512 N '66

Platinum (IV) iodotetramines. I. I. Cherniaev, V. S. Orlova. *Zhur. neorg. khim.* 11 no. 11 2488-2495 N '66

Precision of determinations of lattice energies and bond energies in complex compounds of platinum. V. A. Patkin, N. N. Kuz'mina, I. I. Cherniaev. *Zhur. neorg. khim.* 11 no. 11 2437-2442 N '66

Splitting into mirror isomers of tetramine EnPy<sub>2</sub>CIN<sub>2</sub>Br<sub>2</sub>Cl<sub>2</sub> and study of its amidation and chloroamidation. I. I. Cherniaev, T. N. Fedotova, O. N. Andrianova. *Zhur. neorg. khim.* 11 no. 11 2513-2519 N '66

Tetramines [Pt(NH<sub>3</sub>)<sub>2</sub>Py<sub>2</sub>Cl<sub>2</sub>](NO<sub>3</sub>)<sub>2</sub>, [Pt(NH<sub>3</sub>)<sub>2</sub>Py<sub>2</sub>Cl<sub>2</sub>](NO<sub>3</sub>)<sub>2</sub> and their acid properties. A. A. Grinberg, Kh. I. Giltengershel', V. F. Sudanova. *Zhur. neorg. khim.* 11 no. 11 2510-2523 N '66

## PLATINUM COMPOUNDS—MAGNETIC PROPERTIES

Magnetic susceptibility of tetravalent compounds of tetravalent platinum. V. I. Belova and others. *Zhur. neorg. khim.* 11 no. 11 2674-2675 N '66

Magnetic susceptibility of some compounds of divalent platinum. V. I. Belova, I. A. K. Syrkina. *Zhur. neorg. khim.* 11 no. 11 2672-2673 N '66

## PLATINUM COMPOUNDS—SPECTRA

Infrared absorption spectra of aqueous solutions of tetracyano complexes of platinum. I. A. Khramov, O. N. Lyubskaya, I. B. Buzanovskii. *Zhur. neorg. khim.* 11 no. 11 2524-2531 N '66

Infrared absorption spectra of complex trans-[Pt(NH<sub>3</sub>)<sub>2</sub>Cl<sub>2</sub>] and normal vibrations of coordinated hydroxyl groups. I. A. Khramov, I. A. Satukhanov. *Zhur. neorg. khim.* 11 no. 11 2532-2542 N '66

## PLATINUM GROUP CATALYSTS—ADSORPTIVE PROPERTIES

Effect of surface-active ions on adsorptive and catalytic properties of platinum and palladium. G. D. Zhum-bacva, D. V. Sokol'skii. *Trudy Inst. Khim. im. A. N. Kazakh SSR* 14 9-56 '66

## PLATINUM METALS—SPECTRA

Spectrographic determination of small amounts of palladium and ruthenium in aluminum oxide. B. M. Talaev. *Zhur. anal. khim.* 21 no. 12 1143-1116 '66

## PLAVINAS HYDROELECTRIC POWER STATION

Installation of armored panel structures. G. I. A. Anshuk. *Energ. strol.* no. 8 26-30 '66

Water letdown in fine sand rocks on the building site of the Plavinas Hydroelectric Power Station. V. K. Hazumov. *Gid. strol.* 33 no. 8 20-24 Ag '63

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## PLEURA—DISEASES

Free bodies in the pleural cavity following artificial pneumothorax. N. V. Sakhalina. *Trudy Novokuz. GIDUVA* 32 69-71 '65

## PLEURISY

Use of AC Fil in treating exudative pleurisy. M. I. Dren-diev. *Azovsk. med. zhur.* no. 8 11-11 Ag '62

Use of adrenergic colloid gold in pleurisy and ascites of tumorous origin. I. A. Chupin. *Med. rad.* 7 no. 8 83-90 Ag '62

## PLEXIGLAS—TESTING

Aging of polymethylmethacrylate glass under the action of atmospheric factors and operational load. K. I. Tsvetova, M. M. Gudimov. *Plast. massy* no. 9 13-15 '62

## PLOWS

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Attachment to the plow for the plowing of alfalfa fields. G. M. Rudakov, K. K. Kintkin. *Nauch. trudy UZNIIMF* no. 5 81-11 '59

Bottom of a plow with changeable moldboard parameters. V. I. Valnub. *Zap. LSKH* 86 236-242 '65

## PLOWS—DYNAMICS

Dynamics of the protective mechanism of PKN and PK's plow types. A. B. Lur'e, A. Reintam. *Zap. LSKH* 86 54-61 '65

Studying the work of the automatic protective mechanism of PKN and PK's plow types. A. Reintam. *Zap. LSKH* 86 102-112 '65

## PLUM—DISEASES AND PESTS see subdivision under Estonia

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Extraction of chelate compound of plutonium (IV) with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone. I. U. A. Zolotov, M. K. Chumilova, P. N. Paloi. *Zhur. anal. khim.* 21 no. 10 1217-1222 '66

## PLYWOOD INDUSTRY see subdivision under Africa, West

## PNEUMATIC CONVEYING

Institut gornogo dela im. A. A. Skochinskogo. [Moving hydraulic and air mixtures of rock in pipelines] *Dvizheniye gidro- i aeromessel gornykh porod v trubakh*. Moskva, Nauka, 1966, 161 p.

Movement of fibrous materials in the air stream. E. D. Potapov. *Izv. vys. ucheb. zav. tekhn. toket. prom.* no. 5 136-141 '66

## PNEUMATIC CONVEYING—TESTING

Results of testing ZDU-50 charge conveying machines. A. V. Brichkin, I. L. Zhabudkin, V. M. Nizovkin. *Gor. zhur.* no. 11 54-55 N '66

## PNEUMATIC MACHINERY

Dynamics of a pneumatic servovalve. M. M. Gokhsberg. *Izv. vys. ucheb. zav. gor. zhur.* 6 no. 5 174-183 '63

Temperature limit of compressed air expansion in pneumatic machines. V. D. Zinevich. *Zap. LCI* '30 no. 3 75-78 '61

Use of an electromechanical registration technique in the study of internal processes in automatic brake air distributors. D. E. Karmilinskii, V. I. Resnikov. *Izv. vys. ucheb. zav. elektromekh.* 9 no. 11 1288-1290 '66



**POLAROGRAPHY (Continued)**  
Polarographic determination of dimethyl of azobis-  
butyric acid in polymers V. N. Dmitrieva, A. A.  
Bezulyi, Vysokom. seed. 4 no. 11 1972-1976 N '62

Polarographic determination of maleic acid diesters  
V. K. Arimov and others, Zhur. anal. khim. 21 no. 10  
1248-1252 '66

Polarographic determination of oxalic acid on platinum  
anode in aqueous solutions A. G. Kotmenko, I. A.  
Mirkin, M. A. Fiohlin, Zhur. anal. khim. 21 no. 12  
1501-1503 '66

Polarographic determination of yellow phosphorus in  
ethanol solutions A. P. Pomilov, I. M. Osadchenko,  
Zhur. anal. khim. 21 no. 12 1498-1499 '66

Polarographic methods for studying soils, plants, and  
natural waters L. A. Vorob'eva, Agrokhimia no. 12-  
121-134 D '66

Polarographic study of composition of complex gallium  
ion in chloride solutions of pyrocatechol A. I. Zelian-  
skaya, L. A. Kukalo, Zhur. anal. khim. 21 no. 10 1101-  
1105 '66

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lar mixture NaPO<sub>3</sub> - KCl as the support I. D. Panchen-  
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Polarographic study of zinc complexes with  $\alpha$ -aminosul-  
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neorg. khim. 11 no. 11 2624-2627 N '66

Possibilities of the polarographic method in early diag-  
nosis of pulmonary cancer A. S. Mamontov and others,  
Khim. zhizn. 42 no. 11 89-91 N '66

Shape of polarographic waves of semi- and thiosulfent-  
hazones G. K. Babinov, S. IU, Bnig'ldim, IU P.  
Kitaev, Elektrokhimia 2 no. 11, 1263-1268 N '66

Simultaneous polarographic determination of iron and  
cobalt E. A. Terent'eva, I. M. Maloluna, Zhur. anal.  
khim. 21 no. 10 1271-1273 '66

Use of the polarographic analysis method in the pro-  
duction of vanillin G. P. Tikhomirova, S. I. Belen'kaya,  
Gidrol. i lesokhim. prom. 15 no. 1-8-10 '62

**POLAROGRAPHY—CONGRESSES**  
International Congress on Polarography, Zhur. anal.  
khim. 21 no. 12 1514-1515 '66

**POLESYE—CORN (MAIZE)—FERTILIZERS AND  
MANURES**  
Effect of cobalt on the yield and some biochemical indices  
of sugar beets and corn N. G. Al'shevskii, Agrokhi-  
mia no. 12-80-89 D '66

Use of various forms of nitrogen fertilizers for pota-  
toes and corn in Polesye of the Ukraine Sh. I. Litvak,  
Khim. v sel. khoz. 1 no. 12 11-12 D '66

**POLESYE—DRAINAGE**  
Some problems in the transformation of Polesye, N. E.  
Rogovin, P. A. Levitskii, Vest. Mosk. univ. Ser. 5, Geog.  
21 no. 6-80-86 N-D '66

**POLESYE—FIELD CROPS—FERTILIZERS AND  
MANURES**  
Peat-mineral-ammonia fertilizers in Zhitomir Province,  
I. A. P. Koshelev, A. A. Gudovanyi, Pochv. ust. i efek.  
udob. no. 1 103-109 '63

**POLESYE—MINERALS**  
Mineral composition of finely dispersed fraction of Qua-  
ternary cover sediments of White Russian Polesye  
S. G. D. omashko, K. I. Lukashov, L. I. Matveeva, Dokl.  
AN BSSR 10 no. 12 974-977 D '66

**POLESYE—PEAT**  
Preparation and use of peat manure at collective farms  
in Zhitomir Province I. A. P. Koshelev, Pochv. ust. i  
effek. udob. no. 1 166-173 '63

**POLESYE—PODZOL**  
Characteristics of the dynamics of some chemical  
properties of turf-Podzolic soils of forest and arable  
land, V. A. Butenko, Pochv. ust. i efek. udob. no. 1;  
26-40 '63

Studying the oxidation-reduction system of turf-Podzolic  
soils, S. M. Tai'ko, Pochv. ust. i efek. udob. no. 1;  
41-47 '63

**POLESYE—POTATOES—FERTILIZERS AND MANURES**  
Effect of trace elements on the yield of potatoes in  
Polesye, V. G. Lapa and others, Pochv. ust. i efek.  
udob. no. 1 131-141 '63

Use of various forms of nitrogen fertilizers for pota-  
toes and corn in Polesye of the Ukraine Sh. I. Litvak,  
Khim. v sel. khoz. 4 no. 12 11-12 D '66

**POLESYE—POTTERY, ANCIENT**  
The history of pottery manufacture in Polesye, A. A.  
Ebrinkskii, Sov. arkeol. 10 no. 4 141-149 '66

**POLESYE—RED CLOVER—FERTILIZERS AND MANURES**  
Effect of phosphorus-potassium and molybdenum fertil-  
izers on the yield of red clover seeds, A. A. Marchuk,  
Pochv. ust. i efek. udob. no. 1 142-144 '63

**POLESYE—ROCKS, SEDIMENTARY—ANALYSIS**  
Mineral composition of finely dispersed fraction of Qua-  
ternary cover sediments of White Russian Polesye,  
S. G. Dromashko, K. I. Lukashov, L. I. Matveeva, Dokl.  
AN BSSR 10 no. 12 974-977 D '66

## POLESYE—SOIL MICRO-ORGANISMS

Effect of various cultivation techniques of peat-Podzolic  
sandy loam soils on soil and corn rhizosphere micro-  
flora, I. A. Popov, I. M. Romelko, Mikrobiol. zhur.  
28 no. 6 55-55 '66

## POLESYE—SUGAR BEETS—FERTILIZERS AND MANURES

Effect of cobalt on the yield and some biochemical indices  
of sugar beets and corn N. G. Al'shevskii, Agrokhi-  
mia no. 12-80-89 D '66

## POLESYE—TILLAGE

Effect of various cultivation techniques of peat-Podzolic  
sandy loam soils on soil and corn rhizosphere micro-  
flora, I. A. Popov, I. M. Romelko, Mikrobiol. zhur.  
28 no. 6 55-55 '66

## POLESYE—TRACE ELEMENTS

Microelements in granulometric spectra of cover sedi-  
ments of White Russian Polesye K. I. Lukashov and  
others, Dokl. AN BSSR 10 no. 10 756-762 O '66

## POLICE

Legal status of voluntary assistants to the police officers  
who investigate criminal offenses, according to  
recently enacted laws M. Il'inskiy, Pravonaravne-  
no. 1 115-122 '65

Shchepakin, D. M. [Public order is in the hands of the  
people] Obshchestvennyi poriadok - v rukakh naroda.  
Tula, Pechskoe kulzhnoe izd-vo, 1965. 101 p.  
(MIL-L)

## POLICE SERVICES FOR JUVENILES see subdivision under under Leningrad

## POLIOMYELITIS—PREVENTION

Voroshilova, M. K. [Immunology, epidemiology and pre-  
vention of poliomyelitis and analogous diseases] Immu-  
nologia, epidemiologia i profilaktika poliomyelita i  
skhodnykh s nim zaboolevani. Moskva, Meditsina, 1966.  
438 p.  
(DNLM)

## POLIOMYELITIS—PREVENTIVE INOCULATION

Study of immunological reactivity in white rats following  
primary and repeated immunization with poliomyelitis  
antigen A. T. Maichenko, Trudy Mosk. nauch. issl.  
inst. virus. prep. no. 3 195-200 '65

## POLIOMYELITIS VACCINE

(see also subdivision under Moscow)

Dynamics of serological shifts in children vaccinated  
with live poliomyelitis vaccine from Sabin strains,  
G. P. Taranova, Vop. virus. 8 no. 4 407-411 JI-  
Ag '63

Methods and results of preparing live poliomyelitis vac-  
cine, not containing mixtures of the vaccinating virus  
M. P. Chumakov and others, Vop. virus. 8 no. 4 145-  
149 JI-Ag '63

## POLIOMYELITIS VIRUSES

Interaction of Coxsackie and poliomyelitis viruses in ex-  
periments on monkeys V. I. Solov'ev, I. M. Mentkevich,  
N. R. Gutman, Trudy Mosk. nauch. issl. inst. virus. prep.  
no. 3 133-144 '65

Mutagenic and inactivating effect of hydroxylamine in  
denting with infectious RNA and native poliomyelitis  
virus IU Z. Gendron, Vop. virus. 11 no. 6 724-729  
N-D '66

Some criteria for the detection of correlations between  
bacteria and viruses Report No. 1: Bacteria of the  
Escherichia coli group as absorbers of enteroviruses  
A. L. Essel', K. G. Medvinskaya, I. I. Nevnanskaya, Zhur.  
mikrobiol. i epid. i immun. 43 no. 11-69-73 N '66

Study of pathogenicity of poliomyelitis virus strains in  
experiments on monkeys E. F. Rozina, IU, M. Slevin,  
Trudy Mosk. nauch. issl. inst. virus. prep. no. 3 132-  
138 '65

Study of virulent strains of poliomyelitis virus in experi-  
ments on monkeys E. R. Pille and others, Trudy  
Mosk. nauch. issl. inst. virus. prep. no. 3 124-131 '65

## POLIOMYELITIS VIRUSES—CULTURES AND CULTURE MEDIA

Effect of cystine on chromatographic behavior and thermo-  
stability of poliomyelitis virus variants, S. V. Maslova,  
V. I. Agol, Vop. virus. 11 no. 5 581-585 S-O '66

Use of methods based on interference between tick-borne  
encephalitis and poliomyelitis viruses in human embryo  
tissue culture for serological surveys of human sub-  
jects, A. D. Al'tshstein and others, Vop. virus. 8  
no. 4 392-397 JI-Ag '63

## POLISH LITERATURE—HISTORY AND CRITICISM

Akademiya nauk SSSR, Institut slavjanovedeniia, [History  
and culture of Slavic peoples; the Polish Enlightenment move-  
ment of the 18th and 19th centuries and problems of the  
history of culture] Istoria i kul'tura slavianekikh narodov;  
pol'skoe osvoboditel'noe dvizhenie XIX-XV vv. I  
problemy istorii kul'tury, Moskva, Nauka, 1966. 238 p.  
(CSL-H)

## POLISH LITERATURE—TRANSLATIONS INTO RUSSIAN

Background of the study of translated novels in the 17th  
century, O. A. Derzhavina, Trudy ODR 18 176-  
187 '62

## POLITICAL SCIENCE see subdivision under Great Britain

## POLLEN

Analysis of the pollen of different varieties and species  
of apple V. I. Karamyshina, Sbor. tr. asp. i mol.  
nauch. sot. VIR no. 2 217-258 '61

Determining the viability of corn pollen in the fields of  
the Volga-Akhut Floodplain A. C. Khudolan,  
Sbor. tr. asp. i mol. nauch. sot. VIR no. 1 108-112 '61

Effect of light on germination of pollen grains I. M.  
Ishchinskii, Dop. AN USSR no. 11-149-1501 '66

Radioresistance of corn pollen V. N. Lyzhikova, V. S.  
Semenov, V. I. Machin, Gen. i sel. i sel. nat. no. 1-188-  
191 '65

Structure and functions of the spherosomes of pollen  
tubes I. P. Fichovskaya-Baranova, N. V. F. Singer, Biol.  
Glas. let. sada no. 63 26-33 '66

Studying the effect of temperature and moisture on the  
pollen viability of Citrus ichangensis N. M. Tolstina,  
Sbor. tr. asp. i mol. nauch. sot. VIR no. 2 277-281  
'61

## POLLEN, FOSSIL

Use of ultrasonic waves for the isolation of pollen from  
loesses and clay rocks M. P. G. lechuk, Vest. Mosk.  
univ. Ser. 5, Geog. 21 no. 6 56-59 N-D '66

## POLLINATION see Fertilization of plants

## POLOTSK—ELECTRIC POWER PLANTS—MANAGEMENT

Interplay with a perfect organization of production,  
P. A. Dolgov, Prom. Bzl. 9 no. 12 26-27 D '66

## POLTAVA GOVERNMENT—RUSSIAN SOCIAL DEMOCRATIC PARTY

Boishcheviki of the Poltava Government during the new  
intensification of the revolutionary movement, 1910-  
1911, V. F. Sokurenko, Ukr. ist. zhur. 10 no. 12 39-  
43 D '66

## POLTAVA PROVINCE—LABOR AND LABORING CLASSES

Workers' character, Z. Dekhtlar, Sov. Ukr. 12 no. 1-183-  
186 Ap '62

## POLTAVA PROVINCE—POTATO LEAFROLL

Infectious degeneration of potatoes in the form of  
leafroll and spindle tuber in Poltava Province, M. F.  
Murav'eva, Sbor. tr. asp. i mol. nauch. sot. VIR  
no. 2 300-309 '61

## POLTAVA PROVINCE—POTATOES—DISEASES AND PESTS

Infectious degeneration of potatoes in the form of  
leafroll and spindle tuber in Poltava Province, M. F.  
Murav'eva, Sbor. tr. asp. i mol. nauch. sot. VIR  
no. 2 300-309 '61

## POLTAVA PROVINCE—SOVIETS

Enhancing the role of the soviet is our foremost objec-  
tive, V. Tymoshenko, Rad. pravo 29 no. 12 19-22  
D '66

## POLOVTSOV, ALEKSANDR ALEKSANDROVICH, 1832- 1909

Polovtsov, A. A. [Diary of State Secretary A. A. Polovtsov  
in two volumes] Dnevnik gosudarstvennogo sekretaria  
A. A. Polovtsova v dvukh tomakh, Moskva, Nauka, 1966.  
2 v.

## POLYAMIDES

Chemical transformations of polymers. Part 8: Degradation  
of polyhexamethylenediamide at high tempera-  
tures, S. R. Rafikov, C. N. Chelnokova, R. A. Sorokina,  
Vysokom. seed. 4 no. 11 1659-1616 N '62

Surface treatment of PK-4 films with stabilizing sub-  
stances N. I. Antipova and others, Plast. massy  
no. 9 61-64 '62

## POLYCHLOROPRENE—THERMODYNAMICS

Conformation and thermodynamic properties of polychloro-  
prene macromolecules in solutions A. V. Gevorgian,  
Izv. AN Arm. SSR Fiz. i no. 3 157-163 '66

## POLYEMBRYONY

Polyembryony in citrus fruits, N. I. Maisuradze,  
Subtrop. kult. no. 3 80-80 '66

## POLYETHYLENE

Phosphorylation of polyethylene and butadiene rubber,  
G. F. Beibik and others, Vysokom. seed. 4 no. 11:  
1677-1681 N '62

Relaxation disintegration of pipes made from high den-  
sity polyethylene, M. N. Bokshitskii, Plast. massy  
no. 9 52-57 '62

Structure of adhesive active surface layer of oxidized  
polyethylene studied by means of infrared spectroscopy,  
F. K. Boisev and others, Koll. zhur. 28 no. 6 792-796  
N-D '66

Study of the dispersity and porosity of high-density poly-  
ethylene K. A. Vylgzhaniina, A. V. Shugilova, V. D.  
Chernykh, Plast. massy no. 12 3-4 '66

Use of polyethylene films for storing frozen herring,  
E. Platonova, Ryb. khoz. 42 no. 11 62-63 '66



# PNEUMATIC MACHINERY (Continued)

Vyschuzhni nauchno-issledovatel'skii institut obrany tselia [Methods: Instructions on the calculation and design of units for pneumatic removal of wastes from the FT-2 two-stage filters] Metodicheskie ukazaniia po resheniu problem obraniny ustanoek dlia pnevmaticheskogo udaleniia ustanoek ot dymnogo upene dlya rzhim FT-2 Ivanovo, 1965 23 p. [MICROFILM]

# PNEUMATIC MACHINERY—DESIGN AND CONSTRUCTION

Yer smert' zh zhilits na blasthole boring V I i tskhli and others Gor'kiy no 12-43-15 D '66

# PNEUMATIC MACHINERY—MODELS

Ways to increase efficiency of pneumatic pneumatic engines I D Rabinovitch Zap IGI 39 no 3 79-83 '61

# PNEUMATIC TOOLS

Study of operating process of pneumatic hand hammer. V. A. Khudilin, D. G. Sviridov, E. I. Morozov. Izv. Vyschuzhni nauchno-issledovatel'skii institut obrany tselia no 11-71-76 N '65

# PNEUMATIC TUBE TRANSPORTATION

(see also subdivision under Mines)  
Experimental device for the pneumatic transportation of rock in subway construction M I Markov. Transp. stroy. 11 no 12 22-24 D '61

# PNEUMOCOCCAL INFECTIONS

Characteristics of pneumococcal pneumonia in radiation sickness R M Rabinovich, I D Mizer. Vop radiobiol. 4:266-301 '61

# PNEUMOMEDIASTINUM

Pneumomediastinography in the diagnosis of pericardial cysts L V Pishchenko. Izd. Novobuzhduva 32 80-83 '65

# PNEUMONIA

Association of streptococcus with respiratory viruses in acute pneumonia V. I. Rytova, A. S. Laitinov. Zhur. mikrobiol. i opol'ki immun. 43 no 11-71-76 N '65

Changes in some peripheral blood indices under the influence of ACII in healthy persons and children with pneumonia S A Dykharova. Azerb. med. zhur. 40 no 3 38-44 Ap '63

Characteristics of pneumococcal pneumonia in radiation sickness R M Rabinovich, I D Mizer. Vop radiobiol. 4:296-307 '61

Detection of atypical pneumonia in a polyclinic by means of large-photograph fluorography B A Bakshiev. Azerb. med. zhur. no 3 35-39 '61

# PNEUMONIA—MICROBIOLOGY

Criteria of hygiene measures as the basis of the prophylaxis of pneumonia in calves in the summer P T Lelchuk. Sbor. nauch. rab. SibNIV. no 11 220-228 '63

# PNEUMOPERITONEUM, ARTIFICIAL

Method of inducing artificial pneumoperitoneum in X-ray diagnosis of tumor like neoplasms in the abdominal cavity A A Akperbekov. Azerb. med. zhur. no 3 38-44 Ap '62

Pneumoperitoneum in the X-ray diagnosis of cancer of the upper parts of the stomach E. F. P'isov, V. I. Istafey. Vest. rentgen. 37 no 3 27-30 Mye-Je '62

# PNEUMOTHORAX

Free bodies in the pleural cavity following artificial pneumothorax N. V. Sakhatina. Trudy Novokuznitsk. 32 69-71 '65

# PODGORBUNSKII, VASILII INNOKENT'EVICH, 1894-1961

Vasilii Innokent'evich Podgorbunskii an obituary Izv. Vost.-Sib. otd. Geog. ob.-va SSSR. 60 167-171 '62

# PODGURSKII, MIKHAIL IGNAT'EVICH

A gift B. Sinkin. Sov. Ukr. 12 no 4 111-113 Ap '62

# POD'LAPOL'SKAIA, VARVARA PETROVNA, 1892-

Varvara Petrovna Pod'lapolskaia. Med. paraz. i paraz. '61 31 no 5 633-634 S-O '62

# PODOLIA—SOCIETY, PRIMITIVE

The population of eastern Podolia in the middle of the first century A.D. N. M. Kravchenko. Ukr. ist. zhur. 10 no 12 99-105 D '66

# PODOL'SK (MOSCOW PROVINCE)—MACHINERY

Economize in both big and small matters D. Klunenko. Agitator no 18 23-28 S '62

# PODOLYNS'KIY, VASYI', 1815-1876

V. Podolynskiy's "A word of warning." F. I. Steblikh. Ukr. ist. zhur. 10 no 12 44-51 D '66

# PODOVSKII, NIKOLAI L'ICH, 1880-1948

In the spirit of meditation. L. Podvolskii. V mlie knig 6 no 113-5 N '66

# PODZOL

(see also subdivision under Polesye; Zhitomir Province)

Changes in physicochemical characteristics of the type of turf-Podzolic soils in connection with the methods of basic tillage. E. V. Seredinskaya. Trudy Un. druzh. nar. 14. Serp'khov. naaki no 1 113-124 '66

# POETS, WOMEN

Our poetesses. N. Bakskina. V mlie knig 6 no 10 12-33 O '66

# POISONING

Effect of poisons inhibiting glycolytic phosphorylation on respiration in frogs S V Gaspova. Trudy LPMI no 32 117-119 '65

# POISONOUS ANIMALS

(see also subdivision under Tajikistan)  
Pigulevskii, S. V. [Poisonous animals; toxicology of vertebrates] Iadovitye zhivotnye, toksikologiya pozvo-nichnykh (Leningrad) Meditsina, 1966 385 p.

# POISONS—PHYSIOLOGICAL EFFECT

Effect of poisons on the development of Bac. acetotyllicus and Bac. coli M B Kupletskii, I F. Nette. Mikrobiologiya 31 no 2 227-232 Mi-Ap '62

# POKROVKA OIL FIELD—OIL FIELD FLOODING

Economic evaluation of injecting oil field waste waters into producing formations IU. F. Gostev, V N Malysgin, I I. Reifman. Ekonomichesk. prom. no 5 29-31 '66

# POLAND—ACCOUNTING

Problems of theory and practice in accounting in the People's Republic of Poland. S. Gurniak. Bibliy. uch. no. 11:63-65 N '66

# POLAND—BANKS AND BANKING

Bank control over the progress in carrying out the plan for the wage fund in People's Poland Bronislav Blazs Den. i kred. 24 no 12 73-75 D '66

# POLAND—BIBLIOGRAPHY

[New literature on Poland] Nov. lit. po Pol'. nos. 11-12 '66

# POLAND—CIVIL LAW

Poland. Laws, statutes, etc. [Civil code of the Polish People's Republic. The law of April 23, 1964. Translated from Polish] Grazhdanski kodeks Pol'skoi Narod. no Respubliki. Zakon ot 23 aprilia 1964 goda. Pod red. I. A. Gingol'ssa. Moskva, Progress, 1966. 373 p.

# POLAND—COMMUNIST PARTY

The 25th anniversary of the establishment of the Polish Workers' Party Zenon Kilanko. Kommunist 13 no 13:103-111 Ja '67

# POLAND—COMMUNISTS

Shcheyev, A. G. [Fraternal cooperation of Polish social democrats with the Bolsheviks in 1903-1910]. Bratskoe sotrudnichestvo pol'skikh sotsial-demokratov s bol'shevikami v 1903-1910 gg. Kiev, Izd-vo Kievskogo univ., 1966. 259 p. (CST-II)

# POLAND—DERMATOLOGY—PERIODICALS

Book reviews Vest. dermat. 37 no 3:74-76 Mi '63

# POLAND—EDUCATION—AIMS AND OBJECTIVES

Reform of the public school system. Wacław Tulodziecki. Sov. pedagog. 70 no 6 152-153 Ja '66

# POLAND—FARM CORPORATIONS

The "Kotesh" agricultural combine Jerzy Rosselski. Ekon. sel'khoz. 42 no 12:111-113 D '66

# POLAND—HISTORY

A. N. Kuz'min-Karavaev's contacts with Polish revolutionary organizations. A. I. Bortnikov. Vop. ist. slav. no 2:161-173 '66

Akademii nauk SSSR. Institut slavyanovedeniia. [History and culture of Slavic peoples, the Polish liberation movement of the 19th and 20th centuries and problems of the history of culture] Istoriia i kul'tura slavyanskikh narodov, pol'skoe osvoboditel'noe dvizhenie XIX-XX vv. i problemy istorii kul'tury. Moskva, Nauka, 1966. 238 p. (CST-II)

History of Polish-Italian revolutionary contacts. G. V. Berdnikov. Vop. ist. slav. no 2:174-185 '66

In honor of the millennium of the Polish State. Vest. AN SSSR 36 no 12:7-9 D '66

# POLAND—JUVENILE DELINQUENCY

Methods of studying the delinquency of children and minors in the Polish People's Republic. M. Mykhelenko, S. Iatsenko. Rad. pravo 29 no 12:84-87 D '66

# POLAND—LEGAL RESEARCH

Methods of studying the delinquency of children and minors in the Polish People's Republic. M. Mykhelenko, S. Iatsenko. Rad. pravo 29 no 12:84-87 D '66

# POLAND—MICROBIOLOGICAL RESEARCH

Work of microbiological research institutions of Poland. L. G. Loginova, V. A. Lambina, T. B. Kazanskaya. Mikrobiologiya 31 no 5 952-955 S-O '62

# POLAND—PUBLIC PROSECUTORS

New forms of the work of public prosecutors in the Polish People's Republic. Jerzy Smolenski. Sots. zakon. 43 no 12:65-67 D '66

# POLAND—SOCIALIST PARTY

The party of fighting revolutionary traditions P. K. Kostikov, A. N. Orshin. Vop. ist. KPSR 11 no 1 12-13 Ja '67

# POLAND—SOIL SCIENCE

Development of scientific studies in the field of soil science in Poland Ch. Sventitskii. Pomoshch. ist. no 12:109-108 D '66

# POLAND—STRIKES AND LOCKOUTS

Efforts of the Polish press to develop the socialist proletarian contacts, 1940-1941. D. I. A. Tshchinskii. Vop. ist. slav. no 2 186-207 '66

# POLAND—TECHNOLOGY—INFORMATION SERVICES

Distribution of technical literature in Poland. B. Tshchinskii. Prom. bel. 9 no 12 61-63 D '66

# POLAND—TELEVISION IN EDUCATION

Television's contribution to school. J. Waniewicz. Sov. radio i tel. 12 no 5 16-17 My '67

# POLAND—THEATER

Notes on Polish performances. Natalia Iashchinskii. Teatr. 21 no 7 110-117 Ji '63

# POLAND—WAGES

Bank control over the progress in carrying out the plan for the wage fund in People's Poland. Bronislav Blazs Den. i kred. 24 no 12 73-75 D '66

# POLAND—WORLD WAR, 1939-1945

A double trap (to be continued). V. M. Zavallshina, M. O. Smieshinov. Ukr. ist. zhur. 10 no 11:120-135 N '66

A double trap (continued). V. M. Zavallshina, M. O. Smieshinov. Ukr. ist. zhur. 10 no 12 120-123 D '66

# POLAND—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Pietrak, Tadysz. [The underground front: recollections of a Polish partisan. Abridged translation from the Polish] Podpolny front, wspomnienia polskiego partizana. Posleslovie P. Kostikova. Moskva, Politizdat, 1966 158 p. (CST-II)

# POLARIZATION (ELECTRICITY)

Degree of radio signal polarization A. P. Rabinovitch. Radiotekhnika i elektronika 11 no 11 1967-1971 N '66

Kanarekkin, D. B., N. F. Pavlov, and V. A. Potekhin. [Polarization of radio signals] Polaryzatsiia radiovoln i signalov. Pod red. V. D. Dulovicha. Moskva, Sov. radio, 1966. 440 p.

Method of measuring polarization potentials at high temperatures for irreversible systems in acetylene acetate acid A. M. Abolmurov, S. V. Gorbachuk. Izv. VNIIT no 11 16-51 '63

# POLARIZATION (LIGHT)

Use of shadow polarizer in studying homogeneity of cerium V. S. Doludzhina, P. I. Kuznetsov. Radiotekhnika i elektronika 11 no 11 1967-1971 N '66

# POLARIZATION (NUCLEAR PHYSICS)

Abov, I. G., A. D. Gul'ko, and P. A. Krupchik. [Polarized slow neutrons] Polaryzovannye medlennye neitrony. Moskva, Atomizdat, 1966. 207 p.

Blyeghringence of  $\gamma$ -quanta in polarized nuclear target. V. G. Bayshovskii. Izd. fiz. 4 no 5:1045-1046 N '66

Complete experiment of isobar production in  $\pi$ - $\pi$  nuclear collisions. M. S. Dubovikov. Izd. fiz. 1 no 5:1058-1062 N '66

Ionization energy losses by relativistic particles entering medium from vacuum. M. P. Lomikhan. Izv. AN Arm. SSR Fiz. 1 no 4 356-361 '66

Isotopic conservation and polarization effects. S. M. Bilen'kii and others. Izd. fiz. 4 no 5:1063-1066 N '66

Neutron diffraction in polarized crystals. V. G. Blyeghringence. Zhur. eksp. i teor. fiz. 51 no 5:4587-1591 N '66

Source of polarized ions. R. P. Shchepetil'nik and others. Izv. AN SSSR. Ser. fiz. 30 no 12:2031-2036 D '66

# POLAROGRAPHIC ANALYSIS

Concentration of substances in polarographic analysis. Report No. 8. Determination of iodine ions. Kh. Z. Brahinia, E. I. A. Sapozhnikova. Zhur. anal. khim. 21 no 11:1312-1317 '66

# POLAROGRAPHY

Cathodic pulse polarography with storage. Determination of tellurite and selenosulfate. I. A. Kapina, A. S. Reza kova. Zhur. anal. khim. 21 no 10 1268-1271 '66

Determining trace element content of soils and plants using amalgam polarography with accumulation I V Markova, S. I. Sinitakova. Agrokimiia no 12 118-119 D '66

Oscillographic polarography of fluoride-chloride media containing soluble compounds of titanium. IU. E. Delimarskii, R. V. Chernov. Ukr. ist. zhur. 32 no 12:1285-1291 '66

Polarographic determination of  $\alpha$ -tetralone oxime in  $\gamma$ -(aminophenyl) butyrolactam. N. A. Lazhneva, F. A. Kruglov. Zhur. anal. khim. 21 no 11:1358-1362 '66





**POLYACACCHARIDES—SPECTRA**  
Structural characteristics of C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> group of polyacaccharides and their model systems R. G. Zhabnikov, N. V. Ivanova, V. P. Komar. Vysokom' speed 8 no. 10, 1778-1782 O '66

**POPLAR** see subdivision under Baikal Lake region

**POPPY**  
Triglyceride composition of poppy-seed oil. A. G. Voreshehagin, Blokhinilla 27 no. 5, 866-874 S-O '62.

**POPULAR FRONTS** see subdivision under Austria

**POPULATION—CONGRESSES**  
World Population Conference, 2d, Belgrade, 1965. [Problems of population and demographic statistics, reports of Soviet scientists and specialists at the 1965 U.N. World Population Conference] Voprosy narodonaseleniia i demograficheskoi statistiki; doklady sovetskikh uchennykh i spetsialistov na Vsesmiunoi konferentsii OON po voprosam narodonaseleniia 1965 goda. Pod red. P. G. Pod'achnikh i dr. Moskva, Statistika, 1966. 398 p.

**POPULISM (NARODNICHESTVO)** see subdivision under Volga Valley

**PORCELAIN**  
High-quartz, low-potassium, finely dispersed porcelain for insulators B. I. Galdash, Stok. i ker. 23 no. 11, 33-36 N '66  
Kiln for rapid firing of cobalt porcelain. B. I. Terakhovskiy, Leh. prom. no. 2:56-58 Ap-Je '62.  
Method for obtaining the final temperature for biscuit firing of household porcelain body in two-story furnaces with continuous action. N. I. Vochinskii, Leh. prom. no. 2:60 Ap-Je '62.  
Studying the processes in the formation of the microstructure of household porcelain fired at temperatures ranging from 900° to 1150°. O. P. Aizman, Leh. prom. no. 2:69-76 Ap-Je '62.

**PORCELAIN—DRYING**  
Rapid method of air drying of high-voltage insulator parts and blanks. R. N. Kimer, Stok. i ker. 23 no. 11, 41-42 N '66.

**PORCH'YE RYBNOYE REGION (YAROSLAVL PROVINCE)—LEPTOSPIROSIS**  
Biology of the tick Ixodes ricinus liponysoides Ewing. I. Z. Soloshenko, I. I. Koiemberg, Med. parn. i parn. bol. 32 no. 2:208-209 M-Ap '63

**PORCH'YE RYBNOYE REGION (YAROSLAVL PROVINCE)—MITES AS CARRIERS OF DISEASE**  
Biology of the tick Ixodes ricinus liponysoides Ewing. I. Z. Soloshenko, I. I. Koiemberg, Med. parn. i parn. bol. 32 no. 2:208-209 M-Ap '63

**POROGOV, NIKOLAI IVANOVICH, 1810-1881**  
School and life. N. I. Pirogov, Sem'ia i shkola 21 no. 12:31-33 D '66.

**POROSITY**  
Effect of long-chain quaternary ammonium salts on the porosity of bentonite clays. IE. M. Kal'nov, N. V. Iudovych, IE. H. Kukovskiy, Dop. AN URSSR no. 11 1479-1482 '62.  
Processes of internal reaction and the reactive-kinetic properties of carbon. M. I. Roggill, Trudy IGI 18, 54-63 '62.  
Study of the formation of porous structure in gas concretes. S. G. Danilova, IU M. But, N. S. Panina, Trudy MKhIT 1 no. 41 118-120 '63.

**POROUS MATERIALS**  
Methods of producing large-size porous pipe. P. A. Koiilenko, A. G. Kostornov, V. S. Pugin, Porosh. met. 6 no. 1:89-97 N '66.

**POROUS MATERIALS—THERMAL PROPERTIES**  
Heat conduction of porous materials of zirconium dioxide and its dependence on the porosity and type of structure. I. G. Dudorov, D. N. Polubolainov, V. A. Rakhmanov, Trudy MKhIT 1 no. 41 164-172 '63.

**PORPHYRIN AND PORPHYRIN—COMPOUNDS**  
Studies on the electron paramagnetic resonance of aromatic amino acids and porphyrins in the triplet state. Z. P. Grkhova and others, Biofizika 8 no. 5:550-5 '63.

**PORPHYRIN METABOLISM**  
Some indices of porphyrin metabolism in healthy persons. R. B. Galbraith, Lab. dato no. 1:37-38 '67.

**PORTAL VEIN**  
Morphological data on the experimental study of digestive processes. IU. P. Antypchuk, Dop. AN URSSR no. 11, 1611-1613 '62.

**PORTLAND CEMENT**  
Alkaline activity of slag portland cement. IU. A. Zhukov, V. V. Kind, O. V. Kuntsevich, Tsement 32 no. 6:4-6 N-D '66  
Improving the quality of slag portland cement. V. I. Funtikov, A. S. Panteleev, V. M. Kolbasov, Trudy MKhIT 1 no. 41:113-117 '63.

**POSTAL CARDS**  
History of postcards. Sh. Gershtun, A. A. Belliskil, Knzh. toig. 17 no. 12 34-36 D '66

**POSTAL SERVICES—BUILDINGS** see subdivision under Khabarovsk

**POSTAGE STAMPS**  
New Soviet stamps. Nov. vsem. 25 no. 4:3 of cover Ja '67.  
You have a letter. N. Filippovskii, V mire knig 6 no. 10:15 O '66

**POSTAGE STAMPS—COLLECTORS AND COLLECTING**  
A brief dictionary for philatelists. A. Sudakov, Knzh. toig. 17 no. 12 12 D '66

**POSTAL SERVICE**  
Efficient and rapid processing of holiday rush mail. V. N. Matsnev, Vest aviart. 26 no. 11 21-22 N '66

**POSTOPERATIVE CARE**  
Causes of the origin of recurrences of hemangioma following its surgical removal, and ways of their elimination. A. Iu. Solovko, Klin. onk. no. 1:73-78 '65  
Immediate and late results following conservative surgery for uterine fibroids. N. G. Stoinov, Klin. onk. no. 1:56-59 '65  
Indications, dosage, and terms for administration of potassium preparations in postoperative period. A. A. Kirokhov, Sov. med. 29 no. 12 42-46 D '66  
Prevention of septic complications of radical mastectomy. IU. I. Gunka, R. I. Sendetskaya, Klin. onk. no. 1:85-91 '65

**POTAPOV, LEONID PAVLOVICH, ca. 1905-**  
Leonid Pavlovich Potapov, Izv. SO AN SSSR no. 6, Ser. obshchestv. nauk no. 3:119-154 '66.

**POTASH INDUSTRY** see subdivision under Ukraine

**POTASH MINES AND MINING—SAFETY MEASURES** see subdivision under Berezniiki region (Perm Province)

**POTASHOV, ALEKSANDR IVANOVICH, 1906-**  
Aleksandr Ivanovich Potashov, Agroklimila no. 12:110 D '65.

**POTASSIUM**  
Effect of reciprocal changes in the concentration of potassium and chloride ions on the magnitude of resting potentials in isolated skeletal muscle fibers of the frog Rana temporaria (L.) (Lanz '77 '61). G. A. Kuznetsov, Biofizika 8 no. 5:597-605 '63

**POTASSIUM—EFFECT ON PLANTS** see Plants, Effect of potassium on

**POTASSIUM—PHYSIOLOGICAL EFFECT**  
Changes in the electrical characteristics of muscle fibers due to increased potassium concentrations in the environment. V. A. Malskii, Biofizika 8 no. 5:588-96 '63

**POTASSIUM—THERAPEUTIC USE**  
Indications, dosage, and terms for administration of potassium preparations in postoperative period. A. A. Kirokhov, Sov. med. 29 no. 12 42-46 D '66.

**POTASSIUM-ARGON DATING** see subdivision under Vrangeli Island

**POTASSIUM CHLORIDE—ELECTRIC PROPERTIES**  
Some special features of field dependent shot-through secondary electron emission. N. L. Ivanovskii, A. P. Balashova, N. S. Loshkina, Radiotekh. i elektron. 11 no. 12:2259-2260 D '66.

**POTASSIUM CHLORIDE CRYSTALS**  
Double electron-nuclear resonance of F-centers in KCl. M. F. Delgen and others, Zhur. eksp. i teor. fiz. 51 no. 4:1014-1022 O '66  
Role of anion and cation vacancies in formation of aggregation centers in KCl crystals activated by silver and thallium. N. A. Tsai, M. V. Pashkovskii, R. I. Didyk, Fiz. tver. tela 8 no. 7:2015-2021 Ji '66

**POTASSIUM CHLORIDE CRYSTALS—GROWTH**  
Effect of low-frequency oscillations of melt on shape and properties of KCl crystals. G. M. Ikonnikova, A. P. Izergin, Rost. krist. 6:271-274 '65

**POTASSIUM IN THE BODY**  
Analysis of potassium ion loss by irradiated cells. Z. N. Nakhil'mskaya, Radiobiologiya 6 no. 6:796-801 '66.

**POTASSIUM IODIDE**  
Direct voltammetric titration of selenium (IV) with potassium iodide solution. L. B. Agasien, E. R. Nikolaeva, P. K. Agasien, Zhur. anal. khim. 21 no. 12:1470-1474 '66.

**POTASSIUM ISOTOPES**  
Potassium role in radiosensitizing action of riboflavin. St. Grigoriescu, K. Nedelcu, M. Naeata, Radiobiologiya 6 no. 6:819-821 '66.

**POTASSIUM METABOLISM**  
Changes in the concentration of sodium and potassium in the blood plasma during acute disorders of the cerebral blood circulation. E. M. Butsev, Zhur. nev. i psikh. 67 no. 1:17-22 '67.

**POTASSIUM PERMANGANATE**  
Sensitometric method for determining isotopic composition of oxygen of water by H<sub>2</sub>O exchange with KMnO<sub>4</sub>. I. I. Vol'nov, V. N. Chamova, K. M. Salimova, Zhur. anal. khim. 21 no. 10 1262-1263 '66

**POTASSIUM PERMANGANATE, EFFECT OF RADIATION ON**  
Change in kinetic characteristics of thermal decomposition of KMnO<sub>4</sub> under the effect of Co<sup>60</sup> radiation. V. A. Protaschik, R. V. Efremov, Dokl. AN URSSR 10 no. 9:6758-661 S '66

**POTASSIUM SALTS—MICROBIOLOGY**  
Survival of microorganisms in 0.5% potassium salt. S. S. Ayzov and others, Mikrobiologiya 35 no. 5:885-889 S-O '66

**POTASSIUM-SODIUM ALLOYS**  
Temperature dependence of stationary distribution in the electrodiffusion in K-Na alloys. T. N. Sergeeva, S. I. Drakin, Trudy MKhIT 1 no. 41 89-90 '63

**POTASSIUM SULFATE**  
Top three-phase and two-phase regions in potassium sulfate-water system. M. I. Ravich, I. E. Bovaia, Dokl. AN SSSR 171 no. 2 352-351 N '66

**POTATO BEETLE**  
Radioactive isotopes for marking Colorado beetle. G. Pukinskaya, Zashch. rast. 11 no. 11-52 '66.

**POTATO LATE BLIGHT**  
Short-term forecast of potato late blight. N. I. Belozov, Sbor. trud. asp. i mol. nauch. sot. VIR no. 2 310-315 '61.

**POTATO LEAFROLL** see subdivision under Poltava Province

**POTATO MACHINERY**  
Agricultural and engineering evaluation of the operation of hillers. V. I. Tabachuk, P. I. Demontskii, P. F. Vysozskaya, Zap. LSKhT 96:251-258 '65.

**POTATO WART** see subdivision under Latvia

**POTATOES**  
Meteorological conditions and potatoes tuber yield in the regions of the U.S.S.R. most favorable for potato growing. M. D. Zlotnikov, Sbor. trud. asp. i mol. nauch. sot. VIR no. 2:349-354 '61  
Effective use of irradiation of potato tubers before planting. L. S. Lun'ce, N. S. Pukovskiy, V. S. Serubnikov, Radiobiologiya 6 no. 5 741-743 '66

**POTATOES—DISEASE AND PEST RESISTANCE**  
Potato resistant to nematode. A. Kalaczals, Zashch. rast. 11 no. 12 50 '66.

**POTATOES—DISEASES AND PESTS**  
(see also subdivision under Latvia, Poltava Province)  
Potato wilt and the study of the effect of various sprout qualities on the morphological and biological characteristics of plants. K. A. Guseva, Sbor. trud. asp. i mol. nauch. sot. VIR no. 2 203-208 '61

**POTATOES—FERTILIZERS AND MANURES**  
(see also subdivision under Polesye)  
Effect of fertilizers on the yield and quality of early and late potato varieties. N. G. Gorodnii, A. I. Khodirayev, Agroklimila no. 12 33-35 D '66.

**POTENTIAL, THEORY OF**  
Use of summary representation method in solving axisymmetric potential problems. P. A. Rotenko, Vychisl. mat. [Kiev] no. 3:105-114 '66

**POTENTIOMETER**  
Analysis of the error of a star circuit of a transistor potentiometer taking into account internal resistance of the reference voltage source. V. M. Butler, Avtomatika no. 5:80-83 '66.  
Application of electron potentiometers and thyristors. I. V. Chuvpurov, Koks i khim. no. 6:52-54 '62.  
High-precision portable potentiometer. A. S. Krut'kov, Izv. vuzov, no. 8:44-45 Je '62.

**POTENTIOMETRIC ANALYSIS**  
Automatized control of the cyanide content of sewage. D. N. Smirnov, E. S. Monastyrniko, Vod., kan., gidr. soor. no. 1:95-108 '66.  
Chronopotentiometric method of titration of acids in nonaqueous solutions. A. P. Kreshkov, G. P. Sviatunova, V. D. Matveev, Zhur. anal. khim. 21 no. 12:1481-1486 '66.  
Complexometric ultramicrotitration of nickel using mercury electrode. I. P. Alimarin, M. N. Petrikova, Zhur. anal. khim. 21 no. 10:1257-1258 '66.

Dependence of the results of potentiometric titration under current on the electrode size. O. A. Songina, R. S. Khalitova, Z. B. Rozhdetsvenskaya, Zhur. VKhO 11 no. 6:707-708 '66

## POTENTIAL METRIC ANALYSIS (Continued)

- Determination of trivalent iridium by electrogenerated monovalent copper. N. I. Stennina, P. K. Agasien. Zhur. anal. khim. 21 no 10 1223-1226 '66.
- Differential potentiometric titration of mixtures of strong oxidants with methyl orange solutions. S. V. Gusinskaya. Zhur. anal. khim. 21 no 12 1462-1469 '66.
- Potential measurement of potentials by means of photo. N. P. Gushin, A. I. Mironov. Elektrokhim. 2 no 11 1291-1295 N '66.
- Quantitative determination of carbohydrazide and its derivatives by potentiometric titration with sodium nitrite. A. P. Gickov, D. K. Ivanov. Zhur. anal. khim. 21 no 10 1276-1277 '66.
- Quantitative determination of isocyanates. A. P. Gickov, V. V. Shevchuk, K. A. Kornev. Zhur. anal. khim. 21 no 11 1398-1399 '66.
- POTTERY, ANCIENT see sub division under Armenia; Pottery, Ukraine, Volga Valley

POULTRY see sub division under Saratov Province

## POULTRY—DISEASES AND PESTS

Symposium on poultry coccidiosis at the 13th International Congress of poultry farmers. M. A. Attemichev. Veterinaria 43 no 11 54-56 N '66.

POULTRY—PARASITES see Parasites—Poultry

## POULTRY BREEDING

- Characteristics of sexual process in domestic hens. I. E. Novik. Trudy Inst. gen. no 26 155-175 '62.
- Effectiveness of crisscrossing and rotational breeding in poultry farming. V. E. Gintov. Trudy Inst. gen. no 26 161-167 '62.
- Some characteristics of the physiological features of hybrid roosters. L. I. Zubatova, Z. M. Spitkovskaya. Trudy Inst. gen. no 26 152-160 '62.

## POULTRY BREEDING—CONGRESSES

Thirteenth World Congress on Poultry Breeding. N. A. Gouinov. Priroda 35 no 12 101-103 '66.

## POULTRY HOUSES AND EQUIPMENT

(see also sub division under Geog. in)

Plans for large poultry farms. M. Korasik, G. Pasternak. Sel'strot. 16 no 11 25-26 N '61.

## POULTRY HOUSES AND EQUIPMENT—DISINFECTION

Study of means and working out methods for the disinfection of premises in coccidiosis of poultry. A. I. Klychev. Veterinaria 43 no 11 92-94 N '66.

## POULTRY INDUSTRY—CONGRESSES

International congress of poultry breeders. N. Anisimov. Ekon. sel'khoz. 42 no 11 123-124 N '65.

## POWDER FILM

Production of powders from nylon wastes. L. I. Kapkova, L. S. Terletskaia, D. I. Rikhsistan. Plast. massy no 9, 31-34 '62.

## POWDER METAL PROCESSES

- Characteristics of powder shifting during vibrating compaction. L. T. Krivda, T. M. Golubev. Porosh. met. 6 no 11 14-16 N '66.
- Methods of producing large-size porous pipes. P. A. Kornienko, A. G. Kostomarov, V. S. Puglin. Porosh. met. 6 no 11 89-92 N '66.

## POWDER METALLURGY

- Carbothermic method of preparing chromium, molybdenum and zirconium borides. A. E. Gouinov. Porosh. met. 6 no 11 32-36 N '66.
- Certain regularities of changes in properties of contact materials prepared by methods of powder metallurgy. P. S. Livshits. Porosh. met. 6 no 11 85-88 N '66.
- Lavitskii respublikanski institut nauchno-tekhnicheskoi informatsii i propagandy. [Powder metallurgy] Poroshkovaya metallurgiya, Riga, 1966. 113 p.
- Microstructure of molecular ceramic metals. P. P. Budnikov, N. V. Shishkov. Porosh. met. 6 no 11, 62-65 N '66.
- Selecting powders for preparation of porous blanks. G. F. Tkhanov, L. A. Pyrislov, V. K. Sorokin. Porosh. met. 6 no 11 8-13 N '66.
- Studying compaction during sintering of ceramic metal copper-tin alloys. V. K. Sorokin. Porosh. met. 6 no 11 23-28 N '66.
- Studying technological characteristics of W-Ni-Cu alloys containing dispersed inclusions of zirconium dioxide. V. N. Antsiferov, I. A. Shaft. Porosh. met. 6 no 11, 43-45 N '66.

## POWDERS

Measure of wettability of powders by water. A. M. Dandushina, N. N. Tshurupa. Trudy MKhIM no 41 34-37 '63.

## POWER ENGINEERING

- Consideration of the time factor in power engineering and economic calculations. D. S. Shchavlev. Izv. vuz. ucheb. zav. energ. 9 no 11 71-75 N '66.
- Mechanization of work in the construction of power systems. F. V. Sapozhnikov. Energ. strot. no 8, 3-8 '66.

New publications in the field of industrial power engineering. Prom. energ. 16 no 1 62 Ja '61.

## POWER ENGINEERING—MATHEMATICAL MODELS

Use of methods of mathematical modeling in power engineering, out-cession in liquid. P. P. Orlov. Vest. AN SSSR 36 no 12 86-87 D '66.

## POWER ENGINEERING—TECHNOLOGICAL INNOVATIONS

Rewarding of power engineering workers participating at the Exhibition of the Achievements of the National Economy of the U. S. S. R. in 1965. V. N. Borovitskii. Elek. sta. 37 no 11 85-86 N '66.

## POWER PLANTS

Prospects and conditions for the application of control machinery for the automation of unit system installations. V. D. Mironov, N. N. Lenov, N. V. Paulin. Teploenergetika 8 no 2 3-8 F '61.

## POWER PRESSES

- Automating the work of friction presses for the manufacture of ceramic products. I. S. Gulak. Stok i ker. 23 no 12 29-30 D '66.
- Calculating no-load losses in crank presses. I. A. Remikh. [Nauch. trudy] ENIKMASHA no 14 3-10 '66.
- Justification of forms and sizes of the opening of the matrix of press-granulators. G. I. Arbanian. Zap. LSKH 98 275-281 '65.
- Power engineering by two-speed press clutches. T. A. Shestelnin. [Nauch. trudy] ENIKMASHA no 14 44-55 '66.
- Selecting basic parameters of mechanical presses for cold extrusion. I. M. Podrabinnik, E. M. Rodov. [Nauch. trudy] ENIKMASHA no 11 68-78 '66.

## POWER PRESSES—DESIGN AND CONSTRUCTION

- Properties and durability of cast 5kNv steel inserts for universal crank press blocks. E. I. Bel'skii, V. S. Radshum, Kuz. -slitani, proizv. 8 no 12 13-14 D '66.
- Elements of the new in press forging machines. I. M. Podrabinnik. Kuz. -slitani, proizv. 8 no 12 30-31 D '66.
- Rigidity standards of crank presses for hot forging. V. I. Malcherin and others. [Nauch. trudy] ENIKMASHA no 14 91-119 '66.

## POWER PRESSES—MAINTENANCE AND REPAIR

Fixing inserts on universal crank press blocks. G. N. Kacilin. Kuz. -slitani, proizv. 8 no 12 43 D '66.

## POWER RESOURCES

Criterion of the optimality of the fuel power balance. V. V. Gruzinov. Trudy INKI no 38 88-100 '65.

## POWER TOOLS

- Electric spark running. L. Babylev. Izobr. i izn. no 12 4 '65.
- New power tools in construction. Energ. strot. no 8, 60-67 '66.

## POWER TOOLS—CURRENT SUPPLY

Static frequency converter for an electric tool. I. U. M. Pirolov, V. M. Matsnev. Mont. i spets. rab. v strot. 25 no 8 21-23 Ag '63.

## POZDNIKOV, ALEKSEI ANDREEVICH, d. 1943

This was in the environs of Kursk. S. Maslennikov. Kiy. rod. 17 no 9 7 S '66.

## POZDYSHEV, VALENTIN

Valentin Pozdyshev's first book "A day like any other day." V. Shalimov. V. mlse knig. 0 no 10 20, 0 '66.

## PRAGUE—AIRPORTS—DESIGN AND CONSTRUCTION

Design for airport in Prague. Strot. i arkh. 14 no 11 38 N '66.

## PRANGOS

Prangorol, a new coumarin from Prangos ferulacea roots. G. A. Kuznetsova and others. Khim. prirod. soed. no 5 310-315 '66.

## PRASEODYMIUM-SELENIUM ALLOYS

Phase diagram of the praseodymium-selenium system. V. I. Kolitin, E. I. Avramovich, N. P. Luzhina. Izv. AN SSSR. Neorg. mat. 2 no 11 1930-1938 N '66.

## PRASOLOV, ALEKSEI

Aleksai Prasolov's first book "Day and night." O. L. Samuil. V. mlre knig. 6 no 12 21 D '66.

## PRECAST CONCRETE

Improvement of a molding machine for preparing concrete panels and covers with multiple hollow spaces. E. N. Turin and others. Prom. energ. 16 no 11 14 Ja '61.

KASK-2: unit for the manufacture of sanitary-engineering cabins. Zh. Alter-Zetlik, A. V. Krichman. Strot. i arkh. Len. 25 no 5 31-32 My '63.

Study of the bond of concrete with the surface of molds, and choosing mold lubricants. R. N. Matseinskii, I. M. Linkov. Trudy NIIZIB no 20 142-162 '61.

Tiling method of manufacturing the blocks of a span structure. D. S. Atizkov. Transp. strot. 11 no 11 53-54 N '61.

## PRECAST CONCRETE—TESTING

Laboratory tests in the construction of completely prefabricated buildings. L. Ustin, Z. Tsimmerman. Strot. i arkh. Mosk. 12 no 5 16-17 Jo '63.

## PRECAST CONCRETE CONSTRUCTION

(see also sub division under Krasnoyarsk, Kirov, Rog Basin, Omsk, Siberia, Western)

Laboratory for fully precast residential construction. IU. Lechevskii. Zhil. strot. no 10 29 '66.

Manufacture and assembly of the precast reinforced concrete elements of the bin tie-in in a blast furnace stockyard. S. S. Kuznetsov, V. P. Sukhanov, A. A. Shumkov. Prom. zdani no 2 36-56 '61.

Possibility for reducing the quantity of reinforcement in prefabricated concrete span slabs. V. Cherkasov, A. Kuznetsov. IU. Lapev. Avt. dan. 29 no 12 22 D '61.

Precast concrete. G. Donetskii. Agitator no 18 35-37 S '62.

Readers' suggestions. Strot. i arkh. Len. 25 no 8 29-33 S '63.

Study of the joints of precast concrete elements during dynamic loads. R. N. Petashen', A. P. Kirillov. Trudy Gidroproekta no 7 199-214 '62.

## PRECIPITATION (CHEMISTRY)

Mechanism of coprecipitation of antimony and germanium in iodide process. K. A. Bol'shakii and others. Izv. AN SSSR. Neorg. mat. 2 no 11 1021-1024 N '66.

Mechanism of precipitation reaction on ion exchangers. A. A. Lurie. Izv. khim. 28 no 6 871-874 '66.

Rate of coprecipitation of cations with sulfides. Report No. 2. Formation of solid solutions. N. A. Rudin, G. I. Malofeeva. Zhur. anal. khim. 21 no 10 1161-1164 '66.

## PRECIPITATION (METEOROLOGY)

(see also sub division under Kazakhstan, Tien Shan)

Destructive steel. A. D. Zamorski. Priroda 35 no 12 107-108 '66.

Forecasting maximum quantity of rainfall in mountainous regions. N. S. Shishkova. Trudy GGO no 18 61-63 '66.

Measurement of precipitation in regions difficult to reach. I. I. Pechonov. Trudy KazNIGMI no 3 20-26 '61.

Possibility of measuring water content of clouds and intensity of precipitation using two-wave-length radar. G. K. Sukhoveidze, N. Sh. Khifashvili. Trudy VGI no 3 205-208 '66.

Protecting high-line buildings from atmospheric precipitation. I. Khushov. Arkh. SSSR no 8 42-45 '66.

Studying reasons of a slight increase of precipitation from convection clouds in regions of insufficient humidity. A. P. Chuvpov. Trudy GGO no 18 61-62 '66.

Super saturation of vapor during formation of droplets. I. B. Sh. Benishvili. IU. A. Dovgalyuk. Trudy GGO no 10 6-12-13 '66.

Time and space variability of showers according to radar observation data. R. A. Anisimova. T. I. Morozova. Trudy GGO no 10 6-12-13 '66.

Transportation of heat and moisture and formation of temperature fields and precipitation in European part of U. S. S. R. V. G. Semenov. Trudy GISP no 1, 11-13 '66.

Variation of summer precipitation and possibility of its determination. Z. M. Makhova. Trudy VGI no 11 114-116 '66.

## PRECISION CASTING

Interaction of steel with the mold in precision casting. D. T. Lapkin and others. Izv. proizv. no 11 14-15 N '61.

Ladle for filling molds in precision casting. V. A. Kashintsev. Izv. proizv. no 12 32-33 D '66.

## PREFABRICATED BRIDGES see Bridges, Prefabricated

## PREFABRICATED BUILDINGS see Buildings, Prefabricated

## PREGNADENEDIONE—PHYSIOLOGICAL EFFECT

Clinical and physiological study of homolysated kidney and lymphoid tissue of the recipient with the use of Soviet azathioprine and prednisolone. M. V. Bilenko, T. A. Grigor'eva. Trudy I-go MMI 40 67-110 '66.

## PREGNADENEDIONE—THERAPEUTIC USE

Prednisolone as a supplementary method in the treatment of complications in thyrotoxicosis. V. G. Spasivtseva, L. A. Solntseva. Trudy I-go MMI 43 150-164 '65.

## PREGNANCY

Content of calcium and inorganic phosphorus in the blood serum of some breeds of heifers. A. M. Efremova. Sel'khoz. biol. 1 no 6 800-803 '66.

Effect of bone marrow implantations on the development of radiation sickness in pregnant animals and their progeny. E. I. Ivanova, E. A. Parshina, E. I. Alek-sandrovich. Med. rad. no 8, 87-89 Ag '64.

Effect of pregnancy on blood indices in sheep. V. I. Shapkarin. Veterinaria 43 no 12 60-61 D '66.

Manganese in the lumbar bones of rats at various stages of pregnancy. L. A. Pribluda. Dokl. AN BSSR 6 no 5 387-388 Jo '62.



## PREGNANCY—SIGNS AND DIAGNOSIS

Results of the field testing of some methods for the diagnosis of the pregnancy of cows. A. N. Akhmediev, G. T. Vasil'ev. Veterinarnia 13 no. 1 77-78 Ja '67

## PREGNANCY, COMPLICATIONS OF

Effect of radiation on the development of the mammary glands in pregnant animals. G. S. Shcheln, I. V. Shifrer. Vop. radiobiol. 4 199-207 '61.

Management of pregnancy in disturbed integrity of the fetal sac. L. V. Poz. Sov. med. 26 no. 3 61-63 Mr '63

## PREGNANEDIOL

Method of determining pregnanediol and pregnanetriol in urine. F. A. Kakushkina, F. M. Kokhanenko. Uki biokhim. zhur. 38 no. 6 610-653 '66

## PREGNANEDIONE—PHYSIOLOGICAL EFFECT

Effect of viadrol on adrenocortical function. I. A. Usvatova, N. A. Oskipova. Trudy I-go MMI 43:189-194 '65.

## PREGNANETRIOL

Method of determining pregnanediol and pregnanetriol in urine. F. A. Kakushkina, F. M. Kokhanenko. Uki biokhim. zhur. 38 no. 6 649-651 '66

## PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)

The organs of preliminary investigation. P. P. Zavorot'ko, D. S. Suslo. Pravonaravstvo no. 1 122-127 '65

## PRENATAL CARE

Causes of births of children with cerebral defects: data for the development of rational prenatal prophylaxis. B. N. Klovovskii. Vest. AMN SSSR 17 no. 10-12-39 '62

## PRENATAL INFLUENCES

Data on the state of the heart in children born of women with heart defects. I. S. Tsybul'skaya and others. Sov. med. 29 no. 12 7-11 D '66

Transplacental transmission of acquired immunity; a review. A. A. Sokhin. Zhur. mikrobiol. i epid. i immun. 43 no. 11,9-12 N '66

## PREOPERATIVE CARE

Clinical replantation of an amputated extremity. I. U. IA. Orteman, G. S. Lipovetskii, S. A. Mushagjan. Trudy I-go MMI 19:240-245 '66

Indispensability of perfusion of the vascular system of an amputated extremity prior to its replantation. G. S. Lipovetskii and others. Trudy I-go MMI 40:220-226 '66

Preoperative preparation of patients with different forms of chronic pulmonary suppurations. V. I. Stuchkov, V. A. Sakharov, A. V. Gligorian. Khirurgiya 39 no. 2; 90-95 F '63

Some problems of preoperative care of patients with cancer of the cardia and esophagus. I. U. E. Berezov, P. M. Isakhanov, M. D. Lufin. Eksp. khir. i onkol. 8 no. 6; 80-82 N-D '63

## PRESCHOOL EDUCATION

see Education, Preschool

## PRESNIAKOV, EVGENII ALEKSANDROVICH, 1897-

1902  
Evgenii Aleksandrovich Presniakov; an obituary. Tr. Vost.-Sib. otd. Geog. ob.-vo SSSR 60 161-166 '62

## PRESS

see subdivision under Chuvashia

## PRESS AND CRIME

see Crime and the Press

## PRESSURE

Water mining process to lose during film regime in annular pipes. Ch. S. Gusutnov. Azerb. neft. khoz. 45 no. 9; 26-29 'S '66.

## PRESTRESSED CONCRETE

Nodes for forming channels. F. C. Dudko. Transp. stroit. 11 no. 12:51 D '61.

## PRESTRESSED CONCRETE—ELASTIC PROPERTIES

General method of calculating crack formation in prestressed reinforced concrete structural elements taking into account inelastic deformation in compression and tension areas of concrete. A. P. Zhdanov. Bet. i zhel. bet. 12 no. 12-20-33 D '66

## PRESTRESSED CONCRETE CONSTRUCTION

Calculating for power forms for prestressed reinforced concrete structural elements. L. A. Liberman. Bet. i zhel. bet. 12 no. 12:33-34 D '66.

Use of prestressed elements in a bridge support. A. M. Porozantsev, I. U. V. Krostev, A. E. Lobanov. Transp. stroit. 11 no. 12:42-44 D '61.

## PRICES

see subdivision under Europe, Eastern;

Germany, East

## PRICKLY FEAR

Some processes of metabolism in *Opuntia candelabra* Engelm. et Big. S. N. Prikhod'ko, E. V. Tepilit'skaya, N. P. Savchenko. Biol. Glav. bot. sada no. 63:92-94 '66.

## PRIMARY EDUCATION

see Education, Primary

## PRIMATES

see subdivision under Tanganyika

## PRIMORSKO-AKHITARSK REGION (KRASNODAR

## TERRITORY)—BEACH EROSION

Abrasion of the Akhtarsk shoreline of the Sea of Azov and measures for its control. N. M. Gubrin. Vest. Most. un. Ser. 5: Geog. 21 no. 6:102-103 N-D '66

## PRINTED CIRCUITS

Design of a printed armature winding with a ferromagnetic core. O. N. Dalakshvili, M. A. Mironov, M. I. Goldbaum. Izv. vuz. ucheb. zav. elektromekhn. 9 no. 11:254-1260 '66.

Printed circuits for consumerist radio electronic apparatus. Inform. biul. VDNKh 11 no. 8 5 Ag '62

## PRINTING

(see also subdivision under Kiev)

Give greater attention to special methods of printing. I. U. P. Salnikov. Poligr. proizv. no. 9 11 S '63.

The mechanization of composition work for tabular forms. K. M. Zinkova, I. U. V. Rodionov. Poligr. proizv. no. 9 26-27 S '63

Preparing rubber forms for aniline printing. K. A. Vdovenko and others. Poligr. proizv. no. 9 22-23 S '63.

## PRINTING—SPECIMENS

A book on type specimens. V. Mire. knig. 6 no. 10:44-45 O '66.

## PRINTING—STUDY AND TEACHING

Students' research work. D. P. Tat'iev. Poligr. proizv. no. 9 7-8 S '63.

## PRINTING INDUSTRY

(see also subdivision under Bashkiri, Kalinin, White Russia)

Production planning should be concrete. M. G. Mitelman. Poligr. proizv. no. 9 6-7 S '63

Results of a competition. P. P. Okol'nishnikov. Poligr. proizv. no. 9 8-9 S '63.

## PRINTING INDUSTRY—MANAGEMENT

Nikol'skaya, E. V. [Use of mathematical methods in the planning for printing enterprises]. Pimenenie matematicheskikh metodov v planirovani poligraficheskikh predpriyati, uchebnoe posobie. Nauch. red. L. M. Kheifets. Moskva, Mosk. politekh. in-t, 1965. 121 p

## PRINTING MACHINERY AND SUPPLIES

Automatic regulation of the viscosity of inks for deep printing. A. L. Batniskho, V. N. Kosilkin, M. F. Svirkin. Poligr. proizv. no. 9 21-22 S '63.

Buffer on the device stopping the fall of the matrix. V. I. Shepovarov. Poligr. proizv. no. 9 30 S '63.

Device for controlling motors of printing presses. V. Zhuravov. Poligr. proizv. no. 9 29 S '63

Improve preventive maintenance and repair of equipment. A. N. Pantina, O. I. Shilo-Kumelko. Poligr. proizv. no. 9 4-5 S '63

Improved production methods at the "Polesepechat" Plant. F. Tarakanova, R. Slanika. Poligr. proizv. no. 9 28-29 S '63.

Modernized equipment of the Shadrinsk Plant. K. V. Roshtkevich. Poligr. proizv. no. 9 24-26 S '63.

W13-1" blocking press. A. Chechlin, P. Savolov. Poligr. proizv. no. 9 20 S '63.

## PRIPET VALLEY—SALT DEPOSITS

Elements of long-term cycles in sylvanite mineral and petrographic zones of the salt horizons of the Pripet salt basin. V. N. Shcherbina. Dokl. AN SSSR 6 no. 8: 510-513 Ag '62.

## PRIPET VALLEY—SYLVANITE

Bedded sylvanite rocks in the Pripet salt basin. V. N. Shcherbina. Dokl. AN SSSR 6 no. 8: 376-378 Ja '62.

Elements of long-term cycles in sylvanite mineral and petrographic zones of the salt horizons of the Pripet salt basin. V. N. Shcherbina. Dokl. AN SSSR 6 no. 8: 510-513 Ag '62.

## PRISLKOVO, MIKHAIL DMITRIYEVICH, 1881-1941

Mikhail Dmitriyevich Priselkov, scholar of sciences. I. A. S. Lurie. Trudy ODRL 16:464-475 '62.

## PRISLKOVO, MIKHAIL DMITRIYEVICH, 1881-1941—

BIBLIOGRAPHY see Bibliography—Priselkov, Mikhail Dmitriyevich, 1881-1941

## PRISONS

Gornet, M. N. [History of the Tsarist prison]. Istoriia Tsarskoi tsumy. Izd. 3. Moskva, Gos. izd-vo iurid. lit-ry, 1960-

Vol. 1, 1762-1825.

Vol. 2, 1825-1870.

Vol. 3, 1870-1900.

(Moscow)

## PRIVATE RESIDENCE ELEVATORS

see Elevators,

Private residence

## PROBABILITIES

Asymptotic power of a nonparametric criterion analogous to  $\chi^2$ -statistics. L. Sh. Sh. [I. Sh. Sh.] Dop. AN URSS no. 7:656-661 '63.

Illustration of using the theory of probability in the theory of numbers. A. N. Danilov. Uch. zap. Ped. inst. Gork. 260 162-167 '65

Integral form of Einstein equations and covariant formulation of Mach principle. B. L. Altshuler. Zhur. eksp. i teor. fiz. 51 no. 4 1113-1150 O '66

Methods for introducing topology into random metric spaces. D. Kh. Muskhuri, A. N. Sherstnev. Izv. vuz. ucheb. zav. mat. no. 6 99-106 '66

Stability of difference stochastic systems in the case of continuous perturbations. T. Akhmetkhaliev. Differ. urav. 2 no. 9:161-169 S '66.

## PROBATION

Paliger, A. [Dismissal of criminal cases and placement of the accused in the custody of workers]. Kriminalno-statustsaya vzbastanina uzbekistanskoy kachestvo andmisse totu. Tashkent, Tashkentskiy Ucheb. i nauch. ts. 1965. 66 p. [In Russian]

## PROBLEM OF THREE BODIES

Some problems of rigid dynamics and their application to theory of crushers. I. I. Severov. Zap. LGI 39 no. 3:67-74 '61

## PROCEDURE (LAW)

Procedural forms of constitutions shouldn't violate our laws and regulations. G. Voronov. Sov. iust. 30 no. 23:26 D '68.

## PRODUCE TRADE—STATISTICS

Voropayeva, A. V., V. N. Aitov, and Z. M. Korot'. [Statistics of the state purchases of agricultural products]. Statistika zngotovok sel'skokhoziaistvennykh produktov. Minsk, Vysshaya shkola, 1965. 68 p. (CSI-1)

## PRODUCTION ENGINEERING

Criteria of optimality in the layout of industrial materials for arbitrary shape blanks. I. A. Zahotin. Tekhn. i mat. metod. 2 no. 6:663-669 N-D '66.

[Fundamentals of the mechanization and automation of production processes]. Razrasnaya process mekhanizatsii na avtomatizatsiyu parnail. [By] K. Mucenleke un. cili. Riga, Lomsa, 1966. 167 p. [In Latvian]

## PRODUCTION STANDARDS

In norm research organizations. Sots. trad. 11 no. 12: 116-117 D '66.

## PRODUCTION STANDARDS—HANDBOOKS, MANUALS, ETC.

[Manual for the worker of a volunteer staffed bureau for establishing technical standards]. Spravochnik rabotnika obshchestvennogo biuro tekhnicheskogo normirovaniia. Moskva, Ekonomika, 1966. 205 p

## PROFESSIONAL ETHICS FOR LIBRARIANS

Librarians, Professional ethics for

## PROFIT

Economic reform and some problems of determining costs and profit in industry. D. Vainshtenker. Vest. stat. no. 12 19-21 '66.

Indices of the economic work of enterprises. V. I. Porozanov. Uch. zap. Kaf. sov. ekon. Vys. part. shkoly no. 3 10-30 '61.

## PROGESTERONE

Diuretic effect of progesterone in cardiac insufficiency. G. N. Korapetian, V. S. Khodzhamirova, V. G. Kukus. Trudy I-go MMI 43:17-23 '65.

## PROGRAMMED INSTRUCTION

Landa, L. N. [Algorithms and programmed instruction; some problems of theory and methodology in programming. Materials for the 4th All-Russian Conference on Programmed Instruction and Use of Technical Teaching Aids]. Algoritmy i programmirovannoe obucheniye; nekotoryye voprosy teorii i metodiki programmirovaniia. Material k IV-i Vserossiiskoi konferentsii po programmirovannomu obucheniiu i primeneniui tekhnicheskikh sredstv. Moskva, RSFSR Pedagog. ob.-vo, Tsentr. Sovet, 1965. 52 p. [MICROFILM]

## PROGRAMMING (ELECTRONIC COMPUTERS)

Mikhel'son, V. S. [Elements of computer mathematics]. Elementy vychislitel'noi matematiki. Izd. 2., perer. i dop. Moskva, Vysshaya shkola, 1966. 274 p.

Multiplication of diagonal matrices by total matrices. SP-0035. V. V. Martynuk. Vop. mat. ekspl. vych. mash. no. 2:6-7 pt. 3 '66.

Multiplication of matrices by diagonal matrices. SP-0031. V. V. Martynuk. Vop. mat. ekspl. vych. mash. no. 2:4-6 pt. 3 '66.

Multiplication of matrices by vectors. SP-0033. M. R. Shura-Bura. Vop. mat. ekspl. vych. mash. no. 2:3-4 pt. 3 '66.

## PROGRAMMING (MATHEMATICS)

Mathematical programming in geophysics. S. V. Shalaev. Zap. LGI 50 no. 2:53-68 '66

## PROGRAMMING (MATHEMATICS) (Continued)

On some iterative methods in convex programming  
I. I. Gikalo, *El. i matemat. 2* no. 6:870-886  
N-D '66

Use of dynamic programming in solving the distribution problem  
V. A. Buzhikov, V. I. Lomakin, *Dokl. Ak. Nauk SSSR* 18 no. 10:721-724 O '66

## PROJECTIVE GEOMETRY see Geometry, Projective

## PROJECTORS

Karlshin, N. A. [Illuminating apparatus of the projector and searchlight types, theory and calculation]. *Strovoye pribory prozhektornogo i prozhektornogo tipov, teorii i rascheti*. Moskva, Vysshaya shkola, 1966. 409 p.

## PROMEDOL

The course of the placental stage in labor pathology using prochlorperazine, isopropyl and promedol  
N. R. Kokubenko, *Sov. med.* 26 no. 3:58-61 N '63

## PROPADIENE

Synthesis and properties of allene hydrocarbon derivatives. Part 1. Interaction of lithium allenes and alkylolithium adducts with organic electrophiles and carbonyl compounds  
O. V. Pospelkin, Kh. V. Balaban, *Zhur. org. khim.* 2 no. 11:1928-1934 N '66

Synthesis and properties of allene hydrocarbon derivatives. Part 10. Interaction of dimethylvinylacetylene carbene with organolithium compounds of aromatic and heterocyclic series  
L. N. Cherkasov, Kh. V. Balaban, V. A. Kornei, *Khim. org. khim.* 2 no. 11:1931-1938 N '66

Synthesis and properties of allene hydrocarbon derivatives. Part 11. Addition of organolithium compounds to dimethylacetylene and vinylalkylacetylenes  
L. N. Cherkasov, Kh. V. Balaban, V. A. Kornei, *Zhur. org. khim.* 2 no. 11:1938-1942 N '66

## PROPANE

Carbon nutrition of propane-oxidizing bacteria  
V. M. Bogdanova, *Mikrobiologiya* 35 no. 3:787-788 S-O '66

## PROPANESULFONIC ACID—THERAPEUTIC USE

Dimercaptopropane sodium sulfonate (unithiol) as an antidote in novocaine poisoning  
I. V. Bel'gova, *Trudy LPMI* no. 32:25-28 '65

## PROPELLERS

Experimental study of the performance of partly submerged propellers  
E. I. Stepanuk, I. U. I. Shatsman, *Trudy LVI* no. 81:71-75 '65

## PROPENE

Action of nitrogen oxides on bromo olefins. Part 3. Action of nitrogen tetroxide on isobutylene bromide  
S. V. Vasilov, O. I. Burdelev, *Zhur. org. khim.* 2 no. 11:1961-1965 N '66

Economic problems involved in the production of ethylene and propylene  
V. P. Dvorydov, *Trudy IGI* 18:164-164 '62

Oxidation of isotactic polypropylene. Part 1. Kinetics of oxygen absorption  
V. S. Pudov and others, *Neftekhimiya* 3 no. 5:743-749 S-O '63

Oxidation of isotactic polypropylene. Part 2. Ways of forming basic volatile products  
V. S. Pudov, M. B. Netman, *Neftekhimiya* 3 no. 5:750-754 S-O '63

Production of ethylene and propylene from casing-head gases  
A. I. Rabin, V. I. Kravtsov, *Trudy IGI* 18:195-200 '62

Reactivity of hydrogen as chain termination agent in polymerization of propylene on catalytic system  $C_2H_5N-TiCl_3/Al(C_2H_5)_3$   
O. N. Pirogov, N. P. Chirayev, *Vysokom. soed.* 8 no. 10:1708-1703 O '66

## PROPERDIN

Non-specific immunity in children  
A. V. Moshkov, *Vest. AMN SSSR* 17 no. 10:68-75 '62

## PROPIONIC ACID BACTERIA

Synthesis of vitamin B<sub>12</sub> by propionic acid bacteria and its relation to the conditions of cultivation  
N. M. Nekrasova, N. D. Iosadimskii, A. I. Ancharova, *Mikrobiologiya* 31 no. 2:203-208 Mr.-Ap '62

## PROPORTIONING EQUIPMENT

Automatic proportioning of grain and water in distilleries  
A. A. Kazakevich, P. P. Poybasov, *Spiri. prom.* 28 no. 4:21-28 '62

Influence of moisture and of coal composition established by sieve analysis on performance of automatic proportioning feeders  
V. E. Novikov, *Koks i khim.* no. 10:14-17 '66

## PROPYLAMINE

Effect of propylamine and irradiation on synthesis of purine compounds  
S. K. Khalilov, E. F. Romanov, *Radio-biologiya* 6 no. 5:675-677 '66

## PROPYLAMINE—TOXICOLOGY

Dimercaptopropane sodium sulfonate (unithiol) as an antidote in novocaine poisoning  
I. N. Bol'gova, *Trudy LPMI* no. 32:25-28 '65

## PROPYLENE OXIDE

Hydration of propylene oxide in the presence of cation-exchanging tars as the catalysts  
N. G. Pollanskii, N. L. Potudina, *Neftekhimiya* 3 no. 5:706-712 S-O '63

Kinetics of migration copolymerization of propylene oxide with dihydroxy-methylcarbamate  
B. A. Akimov and others, *Plast. massy* no. 12:22-23 '66

## PROPYNOL—TOXICOLOGY

Toxicological characteristics of propargyl alcohol  
K. P. Staschukova, T. A. Kochetkova, *Toks. nov. prom. khim. vestnik* no. 8:92-111 '66

## PROSPECTING

(see also subdivision under Chechen-Ingush A. S. S. R., Kazakhstan)

Calculation of the methane losses of coal cores and drilling mud in the hole when drilling coal seams  
I. V. Bukin, L. V. Gnyp, *Izv. vuz. tekhn. razv. geol. i razv.* 6 no. 6:83-97 Je '63

Consultations on problems of labor legislation  
Razv. i okhr. nedr. 29 no. 3:56-58 Mr. '63

Diagram of the correlation of the thicknesses of the layers of elementary sedimentation cycles  
V. V. Rimbov, *Geol. i geofiz.* no. 9:120-124 '63

Kiylov, G. V., and G. A. Parkadze. [Comparing the accuracy and reliability of assaying stockwork-type deposits in prospecting by shot, diamond, percussion drilling and mine workings]. *Opyt slyvneniya tekhnosti i doslovochnosti opybovaniya mestozhdeniya stokovkoyevogo tipa pri razvedke diobovym, almanym, udarnym burom i gornyim vyrabotkami*. Moskva, Nedra, 1965. 35 p.

## [MICROFILM]

Methods of sampling and of studying the quality of coal during geological prospecting in Kuznetsk Basin  
E. M. Park, *Mat. GKZ* no. 4:42-64 '66

Moscow oil prospects for oil and gas in central regions  
A. P. Chilik, V. Belokopytov, *Neftekhim. i* no. 11:39, 30 N '66

Organizing volunteer design and technical bureau  
M. V. Reuklenko, *Razv. i okhr. nedr.* 29 no. 3:55-56 Mr. '63

Piotnikov, N. I. [Prospecting for fresh underground waters for the purposes of large-scale water supply]. *Polski razvedka presnykh podzemnykh vod dlia isled. krupnogo vodosnabzheniya*. [Moskva] Izd-vo Mosk. univ. Pt. 1. [Izuch. geologicheskikh i gidrogeologicheskikh osnovy]. 1965. 241 p.

Possibilities of practical utilization of method of spacing of prospecting works  
V. I. Raevskii, *Nauch. trudy Perm. politekh. inst.* no. 12:137-142 Pt. 1 '62

Proceedings and elections of trade-union organs is a most important mass political campaign  
A. V. Buyulin, *Razv. i okhr. nedr.* 29 no. 3:54 Mr. '63

Second seminar on problem of "ecological features of salt dome regions and methods of oil and gas prospecting of salt dome structures"  
B. M. Melnikov, V. Savchenko, *Geol. nefi i gaz* 10 no. 11:61-63 N '66

Some characteristics of observed variability of the parameters of mineral bodies as related to their structure and method of study  
L. I. Chetverikov, *Trudy VGU* 63:24-38 '65

Studying the core of fractured carbonate rocks using ultrasonics and luminescent detection  
K. I. Pogrebnaya, *Razv. i okhr. nedr.* 29 no. 3:23-28 Mr. '63

Third plenum of the Trade Union of Geological Prospecting Workers  
A. I. Smirnov, *Razv. i okhr. nedr.* 29 no. 3:52-53 Mr. '63

Towards a broader movement for communist labor  
P. I. Shchukhin, *Razv. i okhr. nedr.* 29 no. 3:1-4 Mr. '63

## PROSPECTING—ECONOMIC ASPECTS

Determination of efficiency of geological prospecting  
G. D. Zil'bert, *Sov. geol.* 9 no. 12:99-108 D '60

## PROSPECTING—GEOPHYSICAL METHODS

(see also subdivision under Apheron Peninsula; Argun Valley; Bashkirta, Kara Kum, Krivoy Rog Basin)

Aerial thermal surveying in geological research and prospects for interpretation of abyssal thermal fields of platform and orogenic regions  
A. E. Svitlovskii, *Geol. i geofiz.* no. 9:128-127 '66

Basic problems of prospecting geophysics  
A. S. Shirokov, *Razv. i okhr. nedr.* 29 no. 3:5-7 Mr. '63

Calculation of the potential field in the upper half-space from measurements made on the uneven surface of the earth  
H. A. Iofitina, M. K. Stupak, *Dop. AN URSR* no. 7:893-895 '63

Geophysical data on boundaries of internal zone of Carpathian Trough  
I. Z. Gontovoi, *Nauch. zap. LPI* no. 80:155-162 '62

Possibility of using electron accelerators in automobile and helicopter survey  
E. M. Filippov, V. A. Zhavoronkov, *Geol. i geofiz.* no. 9:94-102 '66

Present status of ore geophysics  
A. G. Tarkhov, *Izv. vuz. uchob. zav. geol. i razv.* 6 no. 1:99-106 Ja '63

Using geophysical methods for geologic mapping in Transcarpathia  
V. G. Lisneta, *Nauch. zap. LPI* no. 80:130-147 '62

## PROSTATE GLAND—CANCER

Generalized metastases of asymptomatic cancer of the prostate gland; one observation  
V. N. Lebedev, E. V. Motelnis, R. Kh. Ulichava, *Vop. onk.* 12 no. 12:59-60 '66

## PROSTHESIS

(see also subdivision under Moscow)

Changes in the mechanical properties of synthetic vascular prostheses  
N. B. Dobrova, A. D. Drozdaev, *Khirurgiya* 39 no. 2:137-141 F '63

Dispensary observation of invalids using prostheses of orthopedic articles  
A. P. Kotov, *Traumatologiya* no. 1:50-56 '65

Improved fixation case for combined prosthesis of extremities  
O. A. Buktalov and others, *Traumatologiya* no. 1:55-59 '65

## PROTEASES

Demonstration of proteases in salivary glands and activities of some plant lice  
L. A. Sobetskii, V. I. Derzhavina, *Izv. AN Mold. SSR* no. 5:89-97 '65

Experimental activity of trypsin preparations for obtaining monostatal tissue cultures  
Report No. 1. Comparative study of dispersing properties and proteolytic activity of trypsin derivatives by gelatin and casein proteolysis on film  
T. G. Morozina, *Trudy Mosk. nauch. inst. vuz. zap.* no. 3:270-274 '65

Prophylactic effect of the most stable products of fibrinolysis during experimental thrombogenesis  
B. A. Kudachov, I. P. Baskov, T. B. Kovaleva, *Vop. med. khim.* 12 no. 6:581-593 N-D '66

## PROTEASES—THERAPEUTIC USE

Use of proteolytic enzymes in surgery on diseases of lungs and pleura and in the treatment of suppurative wounds  
N. S. Phipelut, K. N. V. Kremenko, *Khirurgiya* 42 no. 11:92-95 N '66

## PROTECTION OF PLANTS see Plants, Protection of

## PROTECTIVE ATMOSPHERES

Automatic control of composition of protective atmospheres  
A. A. Zhdanov, *Gaz. prom.* 11 no. 11:42-45 '66

Effect of small amounts of oxygen in combustion products on the quality of protective gas atmospheres  
K. V. Dneprenko, V. A. Karpenko, *Gaz. prom.* 11 no. 11:39-41 '66

Use of welding in carbon dioxide in the U. S. S. R.  
A. G. Potaplevskii, V. I. Troitskii, P. P. Kharchenko, *Avtosvay.* 10 no. 12:67-72 N [i.e. D] '66

[Welding in carbon dioxide]. *Svarka v uglekislovom gaze*. Izd. 2., power, i dop. [By] I. I. Zaruba i dr. Kiev, [Tekhnika] 1966. 290 p.

## PROTECTIVE COATINGS

Anticorrosion coatings for the screens of pneumatic mailing systems  
N. F. Baidun, *Spiri. prom.* 28 no. 4:39 '62

Anticorrosive coatings in the chemical industry  
I. I. Maikov, E. A. Protosavitskaya, *Mont. i spets. reb. strol.* 25 no. 10:13-16 O '61

Creating a hydrophobic glass surface unattainable by organic liquids  
N. V. Sukhovskaya, *Stek. i ker.* 23 no. 4:5-5 D '66

Enamel coatings of steel with high protective properties  
L. D. Shtskii, A. D. Ponomarenko, *Ukr. khim. zhur.* 32 no. 12:1357-1360 '65

## PROTECTIVE COATINGS—TESTING

Unit for measuring the adhesiveness of polymer coatings with metallic substrates by the method of pin twisting  
V. A. Belyi, L. I. Khomovitch, R. A. Ruto, *Prom. bel.* 9 no. 12:11-12 D '66

## PROTECTIVE CLOTHING see Clothing, Protective

## PROTEIN METABOLISM

Changes in the protein-electrolyte equilibrium in dogs following implantation of exsymbiot preserved during 24 hours under +2 - +1°C  
L. M. Saburova, G. L. Lipovetskii, *Trudy I-go MMI* 49:186-196 '66

Effect of methandrostenedione on protein metabolism in the liver and on blood serum protein fractions in experimental hepatitis  
N. Kh. Abdullayev, *Vop. med. khim.* 12 no. 6:627-632 N-D '66

Glycine-1-C<sup>14</sup> incorporation into the proteins of silk gland homogenates of the silkworm Bombyx mori L.  
O. P. Samarin, *Biochimika* 27 no. 5:814-821 S-O '62

Indices of protein metabolism in rats following introduction of boryllium compounds  
N. M. Karamzina, *Toks. nov. prom. khim. vestnik* no. 8:27-33 '66

Role of lipids in protein synthesis  
N. M. Sisaklan and others, *Biochimika* 28 no. 2:326-333 Mr.-Ap '63

Some indices of protein-electrolyte equilibrium in homotransplantation of the kidneys in dogs with the use of immunodepressive chemical preparations  
L. M. Saburova, M. V. Blenko, A. N. Novikova, *Trudy I-go MMI* 49:111-118 '66

Study of ribonucleic acid and protein metabolism in nuclei of mollusk oocytes  
L. G. Romanova, K. G. Gazarian, *TSitologiya* 8 no. 5:648-652 S-O '66

## PROTEINASES

Effect of ultraviolet irradiation on catalytic proteinase activity  
I. D. Ivanov, E. E. Rukhteyeva, *Ukr. biochim. zhur.* 38 no. 6:625-628 '66

Fractionation of thyrotropic hormone preparations from the hypophysis of man and bulls by proteolytic enzymes  
E. E. Limanova, D. E. Grodzinskii, *Probl. endok. i gorm.* 9 no. 1:23-26 Ja-F '63

Isolation, purification and some properties of proteinase in *Clostridium botulinum* B. 1, P. Aslmartin, I. V. Vorontsov, V. M. Enichev, E. P. Lukin, *Biochimika* 27 no. 5:788-793 S-O '62

## PROTEINS

Amino acid analysis of proteins and peptides by thin-layer electrophoresis method combined with chromatography. G. S. Katrukha, Zh. P. Tsifanova, A. B. Silayev. Khim. prirod. soed. no 5:348-351 '66

Authoradiographic method for the determination of specific radioactivity of soluble tissue proteins. R. V. Chagovets, A. A. Dushenko. Lab. delo no 1:46 '67

Changes in the leucocyte reactions in rats during an acute phase of radiation sickness following an injection of protein stimulants. N. I. Shchekina. Vopr. radiobiol. 4:111-116 '61

Correlation between the adjacent amino acid residues in protein molecules. V. I. Urbakh. Biofizika 8 no 5:536-42 '63

Effect of deoxystreptamine-containing antibiotics on protein synthesis in acellular system and on the dissociation of 70S ribosomes in the bacterial cell. I. I. Sarykin, V. I. Antonov. Antibiotiki 11 no 11:947-952 N '66

Effect of feed proteins on the milk yields of goats. O. N. Solomonova. Trudy Inst. gen. no 26:148-151 '62

Effect of thyroid hormones on the content of individual protein fractions in the structural elements of rat liver cells. S. I. A. Kaplanski, S. A. Ushanova. Biokhimiya 27 no 5:907-911 S-O '62

Immunological study of the significance of C-reactive protein in the action of ionizing radiation on the organism. P. A. Bul'mi, P. N. Kiselev. Vopr. radiobiol. 4:267-277 '61

Isolation and study of iron-containing protein of non-hematin nature from *Arctobacter vinelandii*. V. A. Iakovlev, L. A. Syrtsova, L. V. Voinchev. Dokl. AN SSSR 171 no 2:477-480 N '65

Obtaining by means of natural adaptation various types of micro-organisms capable of assimilating and converting petroleum fraction, used in dewaxing and protein synthesis. K. Gattelle. Neftekhimiya 3 no 5:811-812 S-O '63

Possibilities of nucleic acid and protein synthesis at low temperatures. V. G. Grif. TSitologiya 6 no 5:659-662 S-O '66

Protein phosphorescence spectra at various temperatures. S. V. Konev, V. P. Bobrovich. Dokl. AN SSSR 19 no 10:786-788 O '66

Proteins, free amino acids, and peptides of the vegetative organs of some leguminous plants. A. K. Ripa. Biol. Glav. bot. sada no 63:47-53 '66

Role of the glyocorticoid activity of the adrenal cortex in the developmental mechanism of leucocytic reaction to parenteral administration of protein substances. A. N. Chiriginskii, V. R. Gintaina. Probl. gemat. i pereb. krov. 6 no 3:11-19 M '63

Some characteristics of the protein composition of tonic and tonic skeletal muscles in frogs. V. B. Usharov. Biokhimiya 27 no 5:828-835 S-O '62

Transformation of proteins and nonprotein nitrogen-containing substances in the ripening of broad beans (*Vicia faba* L.). V. G. Klimenko, A. D. Bezorovikov. Biokhimiya 28 no 2:230-245 Mr-Apr '63

Separation of lactic dehydrogenase protein components in normal and pathologic serum by DEAE cephadex. O. N. Abukumova, I. Ch. M. Rubina. Vopr. med. khim. 12 no 6:578-581 N-D '66

## PROTEINS—SPECTRA

Localization of the paramagnetic center of protein irradiated with gamma rays. M. K. Pintova. Biofizika 8 no 5:632-4 '63

The nature of the electron paramagnetic resonance spectra of amino acids and proteins under the influence of ultraviolet light. O. A. Azizova. Biofizika 8 no 5:566-50 '63

## PROTEINS IN THE BODY

Changes in the protein composition of skeletal, cardiac, and smooth musculature following castration. V. A. Bur'ev, Z. N. Zhakhova, N. I. Lopatina. Biol. eksp. biol. i med. 55 no 5:54-57 My '63

Histochemical demonstration of some protein substances and proteolytic enzymes in neurons of different parts of cutaneous and motor analyzers in cats. L. M. Gershtein. TSitologiya 6 no 5:639-642 S-O '66

Role of contractile proteins in the determination of the resistance of muscular tissue to change. G. I. Grigor'eva. Biol. eksp. biol. i med. 55 no 5:57-60 My '63

Seasonal changes in proteolytic activity of rat liver (pH 7, 4) and penetrating radiation effect on this index. I. P. Druzhinin. Radiobiologiya 8 no 6:917-920 '66

## PROTEUS

Reproduction of Morgan's toxoinfection in monkeys following acute radiation sickness. L. A. Iakovleva, B. A. Lapin, S. M. Pekerman. Med. rad. 7 no 8:66-68 Ag '62

## PROTEUS (BACTERIA GENUS)

Results of phage prophylaxis in gastroenterocolitis of Proteus etiology in rhesus monkeys. E. S. Voronin, V. I. Gavrilov, I. I. Livaishvili. Trudy Mosk. nauch. issled. inst. virus. prep. no 3:293-298 '65

Wound infection by Proteus in rabbits and its treatment with monomycin in various doses and methods of administration. E. V. Bobkova. Antibiotiki 11 no 11:1038-1039 N '66

## PROTONS

Biological action of high-energy protons (100 Mev). I. I. Moskalev, I. K. Petrovich. Biol. eksp. biol. i med. 55 no 5:73-77 Jy '63

Neutralization of protons passing through thin metal foils. I. I. Moskalev, B. A. Tsubitov, V. I. Filin. Izv. AN SSSR Ser. fiz. 30 no 12:1017-1910 D '66

Using method of triple coincidences in studying proton polarization in (d,p)-reactions. M. O. Skafum, A. H. Stashyn'kvi. Ufa. fiz. zhur. 11 no 11:1265-1267 N '66

Using the method of free nuclear induction in determining the gyromagnetic ratio of a gamma-ray proton. B. M. Ivanovskii, N. V. Studentov. Izv. tekhn. no 6:28-31 Je '62

Velocities of residual nuclei in Ag and Th fission by 160 Mev. protons. B. P. Afanas'ev, I. R. Gismatullin, V. I. Ostumov. Izd. fiz. 1 no 5:1002-1009 N '66

## PROTONS—CAPTURE

Level characteristics of Ar<sup>36</sup> and Ar<sup>38</sup> nuclei excited in proton capture by chlorine isotopes. K. V. Kardzhiev, V. I. Man'ko, P. E. Chukracv. Izd. fiz. 4 no 5:609-616 N '66

## PROTONS—DECAY

Ob'edineniy i nalyini lader nykh issledovaniy. Laboratoriya ladernykh reaktsiy. Identification of Te<sup>113</sup> by daughter isotopes of proton decay. Identifikatsiya 113Te po dochetnim produktam protonnogo raspada. [By] D. D. Bogdanov i dr. Dubna, 1967. 12 p.

## PROTONS—PHYSIOLOGICAL EFFECT

Biological effect of 240 Mev energy protons. I. I. Moskalev, I. K. Petrovich. Radiobiologiya 6 no 5:651-658 '66

Materials on biologic effect of 130 Mev energy protons. V. N. Stetsiova, I. I. Moskalev. Radiobiologiya 6 no 5:660-665 '66

## PROTOPLASM

Movement of Nitella flexilis protoplasm is affected by local and spreading potentials. L. N. Voinchev, I. A. Voincheva. Biofizika 8 no 5:675-9 '63

## PROTOZOA—COLLECTION AND PRESERVATION

New preserving liquid for intestinal protozoa. R. S. Safarov. Med. paraz. i paraz. bol. 32 no 2:221-222 Mr-Apr '63

## PROTOZOA, PATHOGENIC

Effect of nystatin, trichomycin and levorin on the growth of parasitic intestinal human protozoa in cultures. A. I. Tumka. Antibiotiki 11 no 11:1013-1017 N '66

Glycocytoysis of the nervous system in leishmaniasis. M. I. Klimatov. Veterinarin 13 no 12:12-41 D '66

Role of the house fly (*Musca domestica* L.) in the distribution of the eggs of helminths and the cysts of intestinal protozoans. V. G. Fedorov. Med. paraz. i paraz. bol. 31 no 5:616-620 S-O '62

## PROVERBS

[A day of work is a happy one; proverbs and sayings of the peoples of the U.S.S.R. about labor.] Den' rabotki vesel'; posloviya i pogovorki narodov SSSR o tude. [Ed. 2.] Moskva, Detskaya lit-ra, 1966. 30 p. (Shkol'naya biblioteka)

## PROVERBS, YAKUT

Emel'yanov, N. V., comp. [Collection of Yakut proverbs and sayings.] Sbornik jakutskikh poslovits i pogovorok. Iakutsk, Iakutskoe knizhnoe izd-vo, 1966. 245 p. [In Yakut and Russian]

## PRUT VALLEY—REEFS

Characteristics of distribution of reef structures in region of middle Dniester—Prut interfluvium. A. A. Arapov, B. V. Budenko, I. U. K. Iashkin. Sov. geol. 9 no 11:117-120 N '66

## PSALTERS—MANUSCRIPTS

An Old Russian miniature in the reading of the Psalter. N. N. Rozov. Trudy ODRL 22:65-87 '66

## PSEUDARTHROSIS

Morphological changes in the caput femoris in nonunion of medial fractures and pseudarthrosis of the femoral neck. A. M. Berman, V. M. Litsman. Trudy inst. im. N. V. Sklif. 7:323-325 '63

Pseudarthroses of the humerus and their treatment. B. I. Shukurov, N. F. Savenko. Travmatologiya no 1: 246-252 '65

Surgical treatment of nonunion fractures and pseudarthroses. R. A. Iakubov. Trudy inst. im. N. V. Sklif. 7:372-383 '63

Treatment of fractures of the femoral neck and its late results. M. S. Novik. Travmatologiya no 1:173-183 '65

## PSEUDOMONAS

Study of the carbon metabolism of *Pseudomonas fluorescens* and *Pseudomonas denitrificans*. E. I. Kozlova, G. A. Sapozhnikova. Mikrobiologiya 31 no 2:221-226 Mr-Apr '62

## PSEUDOMONAS—CULTURES AND CULTURE MEDIA

Technology of *Pseudomonas stutzeri* methan culture. V. T. Smelt, N. M. Mit'seva, T. O. Tykhomuk. Mikrobiol. zhur. 38 no 6:22-27 '66

## PSEUDOTUBERCULOSIS—MICROBIOLOGY

Immunological kinship of *Pasturella pestis* and *Pasturella pseudotuberculosis*. S. I. Zaslavina, A. M. Khokhlova. Trudy Gos. nauch. issled. instituta zhivot. i med. 15:97-104 '59

## PSEUDOURIC

Absorption, distribution and excretion of aminoethylisothiocyanate in irradiated and nonirradiated organisms. I. S. Belokonski and others. Vopr. radiobiol. 4:366-371 '61

## PSEUDOURIDINE

Interaction and biosynthesis of pseudouridine and thymidine following irradiation. A. S. Levchenkova, N. A. Fedorov. Radiobiologiya 6 no 5:682-686 '66

## PSKEM VALLEY—GLACIERS

Evaluation of glacial feeding of Pskem River and its constituents. A. S. Shchegolev. Trudy. Sred.-Az. nauch. issled. gidrometeor. inst. no 27:99-105 '66

Recent glaciation of Pskem basin. L. A. Kanaev. Trudy Sred.-Az. nauch. issled. gidrometeor. inst. no 27:35-46 '66

## PSKOV—HISTORY

"Veche" in ancient Pskov. B. B. Kafengauz. Izv. SSSR no 6:110-123 N-D '66

## PSKOV—ICONS

Portrait of the Pskov Prince Domoni. F. A. A. Alkin. Trudy ODRL 18:272-276 '62

## PSKOV—THEATER

Favorite dramatist. Teatr. 24 no 7:131 JI '63

## PSKOV PROVINCE—COOPERATIVE SOCIETIES

Efficient method of delivering goods to remote stores. V. Annufeyev. Sov. potekh. kooper. 10 no 12:23-21 D '66

## PSKOV PROVINCE—DELIVERY OF GOODS

Efficient method of delivering goods to remote stores. V. Annufeyev. Sov. potekh. kooper. 10 no 12:23-24 D '66

## PSORIASIS

Compound treatment of psoriasis with pyrotherapy, autohemotherapy and use of heated blood. N. M. Ter-Korapants. Sov. med. 28 no 12:10-11 D '66

The pustulous and arthropathic forms of psoriasis. V. P. Lyayev, V. V. Orzheshkovskii. Vest. derm. i ven. no 12:60-61 '62

State of the stomach in patients with psoriasis. I. U. I. I. Izhon-Ryba. V. K. Kalgin. Vest. derm. i ven. 37 no 3:23-26 M '63

## PSYCHIATRIC HOSPITALS

(see also subdivision under Moscow)

Modern psychiatric hospital. B. A. Lebedev. Zhur. nov. i psikh. 66 no 12:1870-1876 '66

## PSYCHIATRIC HOSPITALS—OUTPATIENT SERVICES

Outpatient psychiatric service in the Soviet Union. G. V. Zonovich. Zhur. nov. i psikh. 67 no 1:3-6 '67

## PSYCHIATRY—BIBLIOGRAPHY see Bibliography—Psychiatry

## PSYCHIATRY—CONGRESSES

L'Yevskii gosudarstvennyi meditsinskii institut. [Problems of neurophysiology and psychiatry; abstracts of reports presented at a scientific conference, February 1-3, 1967.] Voprosy nevrologii i psikiatrii, kratkoe soderzhanie dokladov nauchnoi konferentsii, 1-3 fevralia, 1967 g. L'vov, 1966. 289 p. (DNLM)

## PSYCHOLOGICAL RESEARCH

I. S. Vygodskii and the problem of localization of functions. A. R. Luria. Vopr. psikh. 12 no 6:55-61 '66

Meeting the members of the 18th International Congress of Psychologists. Vopr. filos. 20 no 12:124-131 '66

Modeling and psychology. D. B. Bogolavlenakova. Vopr. psikh. 12 no 6:183-185 N-D '66

Paths of the development of Soviet psychology. A. A. Smirnov. Sov. pedagog. 30 no 12:8-25 D '66

Some trends in foreign research of thinking. D. N. Zavalishina. Vopr. psikh. 12 no 6:176-182 N-D '66

## PSYCHOLOGY

The concept of reflection and its role in psychology. A. N. Leont'ev. Vopr. filos. 20 no 12:48-56 '66

Psychology, the interdependence of sciences, and their system. Jean Piaget. Vopr. filos. 20 no 12:67-75 '66

## PSYCHOLOGY—CONGRESSES

Meeting the members of the 18th International Congress of Psychologists. Vopr. filos. 20 no 12:124-131 '66

Preparing for the 18th Congress of Psychologists. Sov. pedagog. 30 no 6:156-167 Je '66

## PSYCHOLOGY—CONGRESSES (Continued)

Psychological science at the 18th International Psychological Congress. A. R. Lurita, A. A. Smirnov. Vop. psikhol. 12 no 6 3-12 N-D '66.

Some results of the 18th international psychological congress. A. R. Lurita. Vest AN SSSR 36 no 12 54-58 D '66.

## PSYCHOLOGY, APPLIED

Povileiko, R. P. [Psychological requirements of man in modern technology, experimental lecture for students of construction majors in the Machinery and Instrument Manufacture faculties of the Novosibirsk Electrotechnical Institute] O psikhologicheskikh trebovaniyakh cheloveka k sovremennoi tekhnike, eksperimental'naya lektsiya dlia studentov konstruktorskiikh spetsial'nostei mashinostroitel'nogo i priborostroitel'nogo fakul'tetov Novosibirskogo elektrotekhnicheskogo instituta. Novosibirsk, Novosibirskii elektrotekhn. in-t, 1965. 69 p. [MICROFILM]

## PSYCHOLOGY, FORENSIC

Psychological methods of interrogating defendants. L. B. Filonov, V. I. Davydov. Vop. psikhol. 12 no 6: 111-112 N-D '66.

## PSYCHOLOGY, PATHOLOGICAL

Characteristics of mental pathology in lesions of the extracranial portion of main vessels. L. P. Razumovskaya-Molokalo. Zhur. nevr. i psikh. 66 no 12 1817-1823 '66.

Psychopathies. V. M. Monozov. Zhur. nevr. i psikh. 63 no 1,141-144 '63.

## PSYCHOLOGY, PHYSIOLOGICAL

Dynamics of sensitivity in burn disease. K. D. Shefran'skaya. Vop. psikhol. 12 no 6: 95-102 N-D '66.

## PSYCHOLOGY, RELIGIOUS

(see also subdivision under Czechoslovakia, White Russia)

Specificity and structure of religious consciousness. D. M. Ugrimovich. Vop. nach. atez. no 1,36-67 '66.

PSYCHOLOGY OF DRAWING see Drawing, Psychology of

PSYCHOLOGY OF LEARNING see Learning, Psychology of

PSYCHOLOGY OF MOVEMENT see Movement, Psychology of

## PSYCHOSES

Experience in using lithium iodide for the treatment of some psychotic states. K. V. Moskali, G. M. Bel'skaya, I. D. Muiatova. Zhur. nevr. i psikh. 63 no 1: 92-95 '63.

Factor of phases and periodicity in the course of psychoses during therapy with neuroleptics. S. G. Zhislina. Zhur. nevr. i psikh. 63 no 1: 66-71 '63.

New data on electroencephalographic study of comatose states in insulin shock therapy of psychoses. A. E. Luchko, V. L. Deglin. Zhur. nevr. i psikh. 67 no 1: 118-123 '67.

## PUBERTY

Chafys-Skizynska, Haina. [Maturation period of the girl. Translated from Polish] Períod sozrevaniia devushki. Izd. 3 Moskva, Meditsina, 1966. 83 p. (Nauchno-populiarnaya literatura)

PUBLIC ADMINISTRATION see subdivision under Tatar A.S.S.R.

PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION (see also subdivision under Leningrad, Volgograd)

New principles governing the design of rural residential and public buildings. D. Bieslavtsev. Arkhiv SSSR no 6: 19-24 '63.

## PUBLIC HEALTH

(see also subdivision under Nakhichevan A.S.S.R., Novosibirsk Province)

Marzcev, A. N. [Notes of a public health physician] Zapiski sanitarnogo vracha. Kiev, Zdorov'ia, 1965. 174 p.

## PUBLIC HEALTH—CONGRESSES

Gribanov, Z. D. [All-Russian congresses of departments of public health and their significance for the practice of Soviet public health] Vserossiiskie s'ezdy zdravotdelov i ikh znachenie dlia praktiki sovetskogo zdravookhraneniia. Moskva, Meditsina, 1966. 191 p.

## PUBLIC PROSECUTORS

(see also subdivision under Donetsk Province, Latvia, Poland; Ukraine)

How public prosecutors supervise the observance of laws. Sot. zakon. no. 11: 87-91 N '66.

How public prosecutors supervise the observance of laws. Sot. zakon. 43 no 12: 80-82 D '66.

More attention to the correspondence and records of the offices of public prosecution. V. Mironova. Sot. zakon. no 11: 55-56 N '66.

Problem of improving the democratic foundation of Soviet justice and the direction of public prosecution. D. S. Suslo. Pravoznavstvo no. 1: 109-116 '65.

Procedural position of public prosecutors in courts of second instance. M. Skoryk. Rad. pravo 29 no. 12: 48-51 D '66.

Some examples of the court trial of civil cases instigated by public prosecutors. B. Kravtsov. Sov. iust. 30 no. 23: 6-8 D '66.

## PUBLIC PROSECUTORS—EDUCATION AND TRAINING

It isn't enough to have a diploma, you should know the laws too. V. Basyrov. Sot. zakon. 43 no 12: 22-26 D '66.

PUBLISHERS AND PUBLISHING see subdivision under Ukraine

## PUKHOVICHSKIY DISTRICT—COCCIDIOSIS

Chemical prophylaxis of coccidiosis in calves by the use of bismycin preparations. V. R. Gorbzem. Veterinarnii 13 no 1: 52-54 N '66.

## PULMONARIA

Study of some representatives of the genus Pulmonaria for their content of trace elements. N. I. Glinkovich. Apt. delo 12 no 1: 27-30 Ja-r '63.

## PULMONARY ARTERY

Method for cannulation of the pulmonary artery in artificial blood circulation without the oxygenator. V. P. Porolov. Fiziol. khim. i med. 8 no 6: 76 N-D '63.

## PULMONARY ARTERY—SURGERY

Treatment of embolisms and thromboses of the pulmonary artery. N. M. Razev. Khirurgia 42 no 11: 109-114 N '66.

## PULMONARY CIRCULATION—DISEASES

Chronic ontogenetic changes in defects of the interventricular septum. A. A. Namazova, I. Kh. Rabkin. Azerb. med. zhur. 40 no 9: 27-31 S '63.

## PULMONARY EDEMA

Preventive action of cystamine and some of its derivatives in experimental toxic pulmonary edema in laboratory animals. I. U. E. Strel'nikov. Pat. fiziol. i eksp. ter. ap. no 3: 64-66 '64.

## PULMONARY EMBOLISM

Fat embolism of pulmonary vessels in fractures, predominantly of the femoral neck, treated with various methods. L. K. Vichomova. Trudy Inst. im. N. V. Sklif. 7: 396-402 '63.

## PULSE

Rate of the expansion of the pulse wave as a method for the evaluation of the degree of atherosclerosis in coronary insufficiency. G. A. Pafomov. Trudy Inst. im. N. V. Sklif. 7: 180-183 '63.

## PULSE CIRCUITS

Dynamic errors of analog-to-digital converters with circuits clamping the level of the measured voltage. V. A. Alekseev, A. N. Kasperovich, N. V. Litvinov. Avtomatika no. 5: 107-111 '66.

Ring for like core as a circuit element of a pulse transformer. I. P. Ionov, A. I. Pirogov, I. U. Shamaev. Teor. elektrotekh. no. 1: 148-153 '66.

Shaping of square voltage pulses in an active load using an artificial line. V. M. Nashytin, V. A. Popova. Izv. vys. ucheb. zav., radiotekh. 9 no 5: 589-609 S-O '66.

## PULSE TECHNIQUES (ELECTRONICS)

Applying method of point transformations in studying nonlinear pulse system dynamics. A. S. Alekseev. Izv. vys. ucheb. zav., radiotekh. 9 no 6: 1217-1221 '66.

Echo pulses in iron-yttrium garnet. F. V. Lisovskii, I. A. Monosov. Fiz. y teo. zhur. ekspt. i teo. fiz. 5 no 1: 3-6 Ja '67.

Penetration of single radiation pulses through intensifying and absorbing media. A. M. Samson. Dokl. AN BSSR 10 no. 10: 730-713 O '66.

Steady mode of oscillations in pulse systems with delayed negative feedback. A. D. Giger'ev. Radiotekhn. i elektron. 11 no. 12: 2230-2232 D '66.

## PUMICE

(see also subdivision under Kurile Lake region)

Bulging of lithoidal pumice stones. G. Akopov. Prom. Aiz. 9 no. 10: 21-22 '66.

## PUMPING MACHINERY

Pumping machinery and compressor equipment. Inform. blud. VDNKH no. 8: 4-5 Ag '62.

Some problems in calculating air caps in controlled plunger pumps. I. U. N. Llapin. Za tekhn. prog. 6 no. 12: 7-10 D '66.

Vedernikov, M. I., and I. V. Rudoi. [Handbook for the operators of compressors and pumping machinery in the chemical industry] Mashinist kompressorov i nasosnykh ustanovok khimicheskoi promyshlennosti. Izd. 2. Ispr. Moskva, Vysshaya shkola, 1965. 306 p.

PUMPING MACHINERY—MAINTENANCE AND REPAIR see subdivision under Riga

PUMPING MACHINERY—TECHNOLOGICAL INNOVATIONS see subdivision under Belyuzsk (White Russia)

## PUMPING MACHINERY, ELECTRIC

(see also subdivision under Ukraine)

Study of mechanical transient processes of pump unit with a capacity of 2200 m<sup>3</sup> per hour. A. L. Kaplan, M. G. Kopeika. Transp. i khim. nefl. i nefteprod. no. 10: 5-7 '66.

## PUMPING STATIONS

Automation of the pumping of water for cotton irrigation. V. V. Mazaev. Nauch. trudy UZNIIM no 9: 3-17 '67.

Problems concerning the electronic control of water pumping operation. I. V. Trubetskoy. Prom. energ. 16 no. 1: 58-59 Ja '61.

## PUMPKIN

Ecology and classification of pumpkin. A. I. Filov. Biol. Glav. bot. sada no 63: 33-41 '66.

## PUNCHED CARD SYSTEMS

Using reading devices from punched cards in combination with "Ural-2" electronic digital computer. N. I. Ilychov, V. D. Ivanov. Trudy ANMI 277: 169-161 '66.

## PUNCHED CARD SYSTEMS—HYDROMETEOROLOGY

Principles of processing information available on punched cards of analytic computers using "Ural-2" electronic digital computer. I. P. Smirnova. Trudy ANMI 277: 58-63 '66.

## PUNCHED CARD SYSTEMS—MATERIALS

Use of dual cards in the accounting for materials. G. Fedorova. Buikg. uch. no. 11: 22-27 N '66.

## PUNCHED CARD SYSTEMS—PATENTS

Using punched cards with holes perforation in organizing a card catalog of films. G. P. Prokopenko. Vopr. izob. no. 8: 30 Ag '66.

## PUNCHED CARD SYSTEMS—RAILROADS—CARS

Improving machine accounting in railroad car shops. R. N. Nikulin. Trudy MIT no 24: 20-34 '66.

## PUNCHED CARD SYSTEMS—VETERINARY MEDICINE

Analytical punched-card computers in veterinary statistics. B. Robesh, V. Polak. Veterinaria 43 no. 1: 103-111 Ja '67.

## PUNCHING MACHINERY

Department for breaking-off galing systems from turbine rotor and stator castings. D. S. Vainichenko, I. D. Blukov, P. M. Lashchenko. [Nauch. trudy] INKhMA no 14: 130-142 '66.

Punching aluminum foil. B. K. Kochetygov. Polig. prom. no. 9: 30 S '63.

## PURINES

Effect of propamine and irradiation on synthesis of purine compounds. S. K. Kholluk, F. T. Romanov. Radiobiologiya 6 no 5: 674-671 '66.

Synthesis and properties of mercaptopurine- $\gamma$ -globulin. E. D. Kaver'zova, V. V. Kiselev. Biokhimiia 31 no 6: 1204-1208 N-D '66.

## PURINES—PHYSIOLOGICAL EFFECT

Clinical morphological study of hemodialyzed kidney and lymphoid tissue of the recipient with the use of Soviet azathioprine and prednisolone. M. V. Zhukova, T. A. Grigor'eva. Trudy 1-go MIM 40: 97-110 '66.

PUSHKIN, ALEXANDER SERGEEVICH, 1799-1837—BIBLIOGRAPHY

Bibliobibliography compiled by the Library of the A.S. Pushkin House. M. I. A. M. 1966. Sov. bibl. no. 5: 74-81 '64.

PUTHLOV, KONSTANTIN ANATOL'EVICH, 1900-1966

Konstantin Anatol'evich Puthlov. Zhur. fiz. khim. 10 no. 11: 2931-2932 N '66.

## PUTORANA MOUNTAINS—SHEEP

Ovle nilyevskii borealis Severozov. 1873. In Putorana Mountains. L. N. Michurin, O. N. Mikhonenko. Zool. zhur. 45 no 11: 1736-1738 '66.

## PUZZLES

Somov, A. [Crosswords, puzzles, cryptograms] Kron. svody, golovolomki, kriptogrammy, iaioslyva, Verkhne-Volzhskoe knizhnoe izd-vo, 1965. 80 p.

## PYLGIN MOUNTAINS—MORAINES

End moraines of the Pylgyn interglacial depression of the Koryak Upland. I. P. Moroz. Vop. geog. Knn. ch. no 3: 106-109 '65.

## PYRALIDINE

Decomposition of pyrimidyl-4-malonate esters. R. P. Shvachkin and others. Vost. Mosk. un. Ser. 2: Khim. 17 no. 9: 75-78 S-O '62.

## PYRAZOLIDINE

Study on the effect of pyrazolidine on Rickettsia powazeki in vitro and in the carrier's body. G. M. Pufayva. Zhur. mikr. biol., epid. i immun. 33 no 6: 127-130 Je '62.

## PYRAZOLIDINEDIONE

Reactions of identification and the colorimetric determination of butadiene in combined pharmaceutical preparations. V. K. Koon. Apt. delo 12 no. 1: 82-86 Ja-r '63.

## PYRAZOLINONE

Extraction of chelate compound of plutonium (IV) with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolinone. I. U. A. Zolotov, M. K. Chumilova, P. N. Palai. Zhur. anal. khim. 21 no. 10: 1217-1222 '60.

## PYRIDINE

Copolymerization of complexes of pyridine and quinaldine with zinc chloride. D. A. Topolich and others. Vysokomol. soed. 8 no 10:1767-1772 O '66

Synthesis of some merapto derivatives of pyridine and pyrimidine. V. A. Potinagina, V. K. Karp. Ukr. khim. zhur. 32 no 12:1306-1310 '66

## PYRIMIDINES

Synthesis of some merapto derivatives of pyridine and pyrimidine. V. A. Potinagina, V. K. Karp. Ukr. khim. zhur. 32 no 12:1306-1310 '66

## PYRIMIDINES—THERAPEUTIC USE

Effect of pyrimidine derivatives on the genesis of "methane" adenomas of the lungs. D. A. Asadov, Vop. onk. 12 no 12:69 '66

## PYRITES

(see also subdivision under Alayev region, Armenia)

Pathology of formation of pyrite FeS<sub>2</sub>. M. P. Morozova, T. A. Stolinova. Izv. AN SSSR, Neorg. mat. 2 no 11:2070-2071 N '66

## PYROCATECHOL

Gas chromatography of isomeric allylpyrocatechols. T. A. Radul'ko, A. S. Leshchiner, V. I. Lushchik. Trudy VNIISNDV no 7:151-154 '65

Possible significance of the inhibition of pyrocatechol-O-methyltransferase in the mechanism of apomorphine effect. M. L. Belen'kii, M. Vitolina, R. Vitollina, Trudy LPNI no 32:15-24 '65

## PYROCERAMICS

Electric insulating pyroceramics on basis of rock minerals. K. S. Kutateladze, R. D. Vechashvili. Strel. i ker. 23 no 11:21-27 N '66

Studying sintering processes of glass-metal materials. Report No. 1. I. D. Hladomysel'skii, N. I. Shcherban'. Porosh. met. 6 no 11:17-22 N '66

## PYROCERAMICS—SPECTRA

Study of pyroceramics of the system Li<sub>2</sub>O - Al<sub>2</sub>O<sub>3</sub> - SiO<sub>2</sub> by means of electron paramagnetic resonance. T. A. Sidov, V. A. Tikhonov. Izv. AN SSSR, Neorg. mat. 2 no 11:2039-2041 N '66

## PYROLE

Some azoles, inhibitors of corrosion and steel corrosion in water. T. H. Noruzmova, V. P. Boranuyk. Dop. AN URSR no 11:151-154 '66

## PYROLYSIS

Characteristics of the pyrolysis of light hydrocarbons in industrial furnaces. E. B. Frid, M. N. Frid, Khim. i tekhn. topol. i mater. 11 no 12:5-9 D '66

Composition of gases obtained in the high-speed pyrolysis of some high molecular weight substances. I. F. Bugdanov, M. I. Mikhlenko, I. I. Fakhriyev. Trudy IRI 18:29-33 '62

Experimental plant for pyrolysis of terpenoid compounds. V. G. Cherkasov. Trudy VNIISNDV no 7:95-104 '65

Investigating the contact pyrolysis of butane in a reactor with the ascending flow of a powder heat carrier. V. S. Aliev, D. N. Trunenov. Neftekhimiya 3 no 5:695-701 S-O '63

Strengthening of the coated granules of brown coal by secondary carbon. V. I. A. Tsarev, K. I. Syrov, I. G. Korolev. Trudy MKFTI no 42:12-15 '63

## PYROMETRES

Attachment to N. S. Kuznetsov's pyrometer for the recording of the weight of the sample. D. Z. Selezdina, A. V. Val'ko, Vest. AN Kazakh SSR 22 no 10:73-74 O '66

Design of measuring circuits of total radiation pyrometers with wide-type heat converters. E. I. Gandejev, A. F. Gikis. Izv. vys. uch. zav. elektromekh. 9 no 11:1295-1297 '66

## PYROMETRY

Temperature conditions of the bath in high capacity electric arc steelmaking furnaces. V. S. Kochanov and others. Stal' 26 no 12:1100-1101 D '66

## PYROLIDINONE

Polarographic determination of  $\alpha$ -tetralone oxime in  $N$ -( $\alpha$ -aminophenyl) butyrolactam. N. A. Lezhneva, E. A. Kruglov. Zhur. anal. khim. 21 no 11:1356-1362 '66

Use of low-molecular polyvinylpyrrolidone in a compound treatment of cythroblastosis fetalis. L. G. Donikova, V. A. Tabatkh, A. A. Fiom. Probl. gemat. i patol. krovi 6 no 3:48-52 Nr '63

## PYRUVIC ACID

Content of glycogen, lactic and pyruvic acid in the myocardium in compensatory hyperfunction. A. P. Bozhko. Biol. eksp. biol. med. 55 no 6:80-71 Je '63

Interrelations between the enzyme catalyzing direct amination of pyruvic acid and the transaminases in the structural elements of cells of the myocardium. M. A. Davtian, Biokhimiya 27 no 5:899-903 S-O '62

Specificity of the enzyme system catalyzing the amination of pyruvic acid and its coenzymes. N. N. Berezovskaya, Biokhimiya 27 no 5:899-903 S-O '62

## PYZHA VALLEY—SLOPES (PHYSICAL GEOGRAPHY)

Asymmetrical development of the eastern and western slopes of mountains in the basins of the Uyman' and Pyzha Rivers. I. U. N. Kurazbekovskii. Izv. Akad. Geog. obshch. SSSR no 3:51-52 '63

## QUACKS AND QUACKERY

Aronis, Karlis. [Thamardurglets]. "Bilumdaris." Riga, Liesma, 1966. 60 p. [In Latvian]

## QUAILS see subdivision under Ob' Valley

## QUALITY CONTROL

(see also subdivision under Germany, East)

Agglutins as fighters for high-quality production. Agglut. no 18:7-9 S '62

Technological progress and the problems of durability. IA. Soin. Mot. konna, no 3:53-57 M '61

## QUANTUM ELECTRODYNAMICS

Electromagnetic oscillations in resonance medium. V. M. Aulimskan. Izv. AN Arm. SSR, Fiz. 1 no 2:111-120 '66

Electromagnetic radiation in absorbing medium. A. I. Alekseev, V. V. Iakimets. Zhur. eksp. i teor. fiz. 51 no 5:1569-1574 N '66

Moskovskii inzhenerno-fizicheskii institut. [Interaction between radiation and matter.] V. I. Model'stvo izlucheniya v veshchestvom, sbornik statei. Pod red. A. I. Alekseeva. Moskva, Atomizdat, 1966. 178 p. Theory of dynamic characteristics of long diodes. G. M. Avak'yan, S. K. Karlov. Izv. AN Arm. SSR, Fiz. 1 no 2:95-104 '66

Universal electrodynamics of particle with spin 1/2. I. I. Gold'man. Izv. AN Arm. SSR, Fiz. 1 no 1:207-216 '66

Velocity of electromagnetic radiation in quantum electrodynamics. M. I. Shirokov. IAD, fiz. 4 no 5:1077-1079 N '66

## QUANTUM ELECTRONICS

Combination processes in distributed traveling wave systems. G. I. Gurevich, I. A. Ormnikov. Izv. vys. uch. zav., radiofiz. 9 no 5:1164-1174 '66

Paramagnetic resonance and spin-lattice relaxation of Fe<sup>3+</sup> in CaF<sub>2</sub> and their relation to optical spectrum. I. A. Bobrovnikov, G. M. Zverev, A. I. Smirnov. Fiz. tver. tela 8 no 7:2203-2212 JI '66

Some applications of generalized Kallen-Welton theorem in calculating fluctuation characteristics of quantum systems. V. B. Tsarevskii. Izv. vys. uch. zav., radiofiz. 9 no 6:1134-1141 '66

## QUANTUM FIELD THEORY

Characteristics of collective states of deformed nuclei in 176 Gd  $\beta$ -180 region. M. K. Kalpazhiz, P. Fogel, Izv. AN SSSR, Ser. fiz. 30 no 12:2025-2030 D '66

Form factors and multipoles in electromagnetic interactions. V. M. Dubovik, A. A. Chesikov. Zhur. eksp. i teor. fiz. 51 no 5:1369-1373 N '66

"Quasi-localizable" Heisenberg operators and renormalizability problem in quantum field theory. A. D. Sukhanov. Zhur. eksp. i teor. fiz. 51 no 4:1195-1206 O '66

Some problems of axionatics in Zacharyan's model. A. V. Astashov, A. D. Sukhanov. IAD, fiz. 4 no 5:1083-1090 N '66

Spin-lattice relaxation in weakly nonhomogeneous distributions of conduction electrons in strong magnetic fields. V. P. Kalashnikov. Zhur. eksp. i teor. fiz. 51 no 5:1417-1422 N '66

Theory of self-consistent field in multiconfigurational approximation. I. H. Dindusha. Dop. AN URSR no 11:1426-1428 '66

## QUANTUM THEORY

Coherent pairing fluctuations and collective  $\delta^+$ -excitation of nuclei. S. T. Belliaev. IAD, fiz. 4 no 5:936-952 N '66

Collective excitations near points of second-kind phase transitions. V. G. Yns, V. M. Gell'fild, A. I. Larkin. Zhur. eksp. i teor. fiz. 51 no 5:1592-1608 N '66

Dependence of probability of many-photon ionization of atoms on photon stream intensity. G. S. Voronov. Zhur. eksp. i teor. fiz. 51 no 5:1496-1498 N '66

Electric transitions of spherical nuclei. G. G. Dumanian. IAD, fiz. 4 no 5:920-927 N '66

Local states in semiconductors with narrow forbidden band. V. I. Shekin, D. I. Shefa. Zhur. eksp. i teor. fiz. 51 no 5:1445-1458 N '66

Macroscopic quantum phenomena. L. P. Pitaeckii. Usp. fiz. nauk 90 no 4:923-929 D '66

Molecular radiation in resonance medium of high density. V. M. Genkin, V. N. Genkin. Izv. vys. uch. zav., radiofiz. 9 no 6:1142-1145 '66

Nature of central body in Schwarzschild solution. M. E. Gertsenshtein. Zhur. eksp. i teor. fiz. 51 no 4:1127-1134 O '66

Observation of complex characteristics of amplitude of direct nuclear reactions. E. I. Dubovoi, I. S. Shepilo. Zhur. eksp. i teor. fiz. 51 no 4:1251-1259 O '66

One mechanism of absorption of low-frequency electromagnetic oscillations by localized states in crystals. M. A. Krivoglas, I. P. Pinkevich. Zhur. eksp. i teor. fiz. 51 no 4:1151-1162 O '66

Phenomenon of secondary tunneling in GaSb. M. P. Badafov, M. A. Rzaev. Fiz. tver. tela 8 no 7:2218-2221 JI '66

Photosensitivity spectra of InAs p-n-junction in 0.9-5.0 eV photon energy region. A. A. Gutkin and others. Fiz. tver. tela 8 no 7:2014-2047 JI '66

Quantum absorption in degenerated semiconductors and metals at direct transitions. V. K. Mikhlashevskii. Fiz. tver. tela 8 no 7:2034-2061 JI '66

Quasi-classical calculation of isotopic shifts. V. P. Krainov, M. A. Mikhlashevskii. IAD, fiz. 4 no 5:926-935 N '66

Quasi-energy of quantum system subjected to periodic action. T. A. H. Zeldovich. Zhur. eksp. i teor. fiz. 51 no 5:1402-1405 N '66

Rapidly recombining plasma jet. L. I. Gudzenko, S. S. Filippov, L. A. Shalepin. Zhur. eksp. i teor. fiz. 51 no 4:1115-1119 O '66

Reasonable scattering of slow particles by noncentral potential. L. A. Zhizhikov. IAD, fiz. 1 no 5:1079-1082 N '66

Shift and splitting of atomic levels by field of electromagnetic wave. V. I. Ritus. Zhur. eksp. i teor. fiz. 51 no 5:1514-1549 N '66

Stability of waves in nonlinear dispersive media. V. E. Zakharov. Zhur. eksp. i teor. fiz. 51 no 4:1107-1114 O '66

Temperature behavior of impurity spins in ferromagnetic matrix. I. U. A. Izumov, M. V. Medvedev. Fiz. tver. tela 8 no 7:2117-2123 JI '66

Theory of spectral line widening. V. V. Iakimets. Zhur. eksp. i teor. fiz. 51 no 5:1469-1475 N '66

Thermoelectric m.f. in semiconductors in strong magnetic fields. R. G. Tsakhanian. Izv. AN Arm. SSR, Fiz. 1 no 2:60-74 '66

Tunnel effect between superconductors in alternating field. A. I. Larkin, I. U. N. Ovelinnikov. Zhur. eksp. i teor. fiz. 51 no 5:1535-1543 N '66

Using method of irreducible tensor operators in calculating spin-Hamiltonian constants. V. V. Dzuzhlin, A. A. Kazakov. Fiz. tver. tela 8 no 7:2228-2230 JI '66

Width and density of highly excited atomic levels in gases. M. A. Kozhushner. Zhur. eksp. i teor. fiz. 51 no 5:1457-1468 N '66

## QUARRIES AND QUARRYING

Optimal configuration of quarry for working flooded strata of rock building materials. V. G. Kulagin. Strel. i ker. 23 no 11:9-12 N '66

## QUARTZ

(see also subdivision under Ob' Valley, Transbaikalia)

Bakumenko, I. T. [Regular quartz-feldspar intergrowths in pegmatites and their genesis.] Zakonomernyye kvartzo-polevosylnatovyye srastaniya v pegmatitakh i ikh genozis. Moskva, Nauka, 1966. 171 p.

Source of quartz in vein deposits. S. D. Sher. Izv. vys. uch. zav., geol. i razv. 6 no 1:130-131 Ja '63

## QUARTZ—ANALYSIS

Paleogeographic significance of the shape analysis of sandy quartz particles. V. N. Shumov, A. B. Markov. Izv. vys. uch. zav., geol. i razv. 6 no 6:27-31 Je '63

## QUARTZ—PIEZOELECTRIC PROPERTIES

Measuring longitudinal and transverse piezoelectric effect of quartz and quartzite veins by the dynamic method. E. I. Parkhomenko, A. B. Uspekina. Trudy Inst. fiz. Zom. no 37:232-242 '66

Studying the piezoelectric field of quartz bodies by models as applicable to piezoelectric methods of prospecting. G. A. Sobolev, A. B. Uspekina, E. I. Parkhomenko. Trudy Inst. fiz. Zom. no 37:243-252 '66

## QUARTZ CRYSTALS

Dispersion characteristics of linear electro-optical effect in quartz crystals. O. H. Vlokh, Ukr. fiz. zhur. 11 no 11:1184-1190 N '66

Experimental determination of tensors of Raman scattering in  $\alpha$ -quartz. D. P. Kiselev. Kristallografiya 11 no 6:886-891 N-D '66

Law of belts and its antithesis in twisted quartzes. G. P. Litvinskaya, N. V. Belov. Kristallografiya 11 no 6:851-854 N-D '66

## QUARTZ CRYSTALS—DEFECTS

Nature of defects in synthetic  $\alpha$ -quartz. L. I. Tsinober and others. Rost krist. 6:22-36 '65

Selective interaction of hydrothermal solution with various defects in quartz crystals. I. Shmid. Rost krist. 6:58-68 '65

## QUARTZ CRYSTALS—GROWTH

Dissolution and growth of quartz crystals under hydrothermal conditions. Chzhan t'uan'-lun, Chzhan Gui'-fen' (Chang Yuan-lun, Chang Kuei-fen). Rost krist. 6:37-57 '65

## QUASARS—SPECTRA

Variability of optical spectrum of 3C 345. I. S. Shklovskii. Astron. zhur. 43 no 6:1211-1214 N-D '66

## QUEUEING THEORY

Utilization system with  $\tau$ -expectation in the case of an Erlang incoming flux. S. M. Brodii. Dop. AN URSR no 11:1425-1428 '62

What is the queueing theory. S. M. Movshovich. Ekon. i mat. metod. 2 no 6:887-889 N-D '66



## QUINOLINE

Copolymerization of complexes of pyridine and quinoline with zinc chloride D. A. Topchuev and others Vysokomoeid. 8 no 10 1767-1772 O '66

Obtaining 1-acetyl-1, 2, 3, 4-tetrahydroquinoline from technical raw material D. F. Kashtan and others Vest. Mosk. univ. 2 khim. 17 no 5-71-74 S-O '62

Some features of autocatalysis in polymerization of complex of quinoline with zinc chloride V. S. Kabanov and others Vysokomoeid. 8 no 10 1769-1766 O '66

## QUINOLINE—THERAPEUTIC USE

Compound treatment of lupus erythematosus with cescchin and calcium phosphate I. D. Tishchenko Vest. d. m. 37 no 3 16-20 '63

Electrocardiogram in tertian malaria treated with quinoline N. A. Tiburskaia, O. S. Vrublevskaia, G. E. Gozodova Med. paraz. i paraz. loi. 31 no 5 575-581 S-O '62

## QUINONE

Quinone for mutation in plants with decreased radiosensitivity V. M. Kuzin, N. N. Norka, G. P. Papisova Radiobiologiya 6 no 6 602-603 '66

Role of quinones in appearance of late after-effects of ionizing radiation A. M. Kuzin, N. N. Norka, G. P. Papisova Radiobiologiya 6 no 5 728-730 '66

Study of quinones adsorbed on aluminum oxide and aluminum silicate catalysts V. B. Golubev, V. I. Ershov, Zhur. fiz. khim. 40 no 11 2841-2848 N '66

## RABBIT BREEDING

Rabbit breeding is a highly profitable occupation Inform. biol. VDNKh no 9-13 S '62

## RABBITS

Source for increasing the procurement of fur skins S. Potapov Sov. potch. koop. 10 no 12 48-41 D '66

## RABIES

(see also subdivision under Russia, Northern)

Cherkashin, B. L. [Rabies] Beshenstvo Moskva, Meditsina, 1966 10 p. (Nauchno-populnaya meditsinskaya literatura) (DNLM)

## RABIES—MICROBIOLOGY

Cytopathogenic effect of street virus of rabies M. A. Selimov, R. Sh. Minsina Vop. virus. 11 no 5 602-603 S-O '66

Study of stabilizing effect of vinyl alcohol and vinylamine copolymer on fixed rabies virus in purifying it by iron B. S. Dzhina and others Vop. virus. 11 no 6 729-734 N-D '66

## RACE DISCRIMINATION

An international conference on the complete elimination of race discrimination IU. Khachurenko Rad. priro. 29 no 12 68-61 D '66

## RACHMANINOFF, SERGEI, 1873-1943

Bazhanov, N. D. [Rachmaninoff] Rakhmaninov. Moskva, Molodaja gvardia, 1966. 349 p. (Zhizn' zamchisl'nykh liudci seriya biografii, no. 19(356))

## RADAR

Fluctuation of the polarization of a field scattered by a complex target N. S. Gubonin Radiotekh. i elektron. 11 no 12 2142-2146 D '66

Anastashin, D. B., N. F. Pavlov, and V. A. Potekhin. [Polarization of radar signals] Polarizatsiya radiolokatsionnykh signalov. Pod red. V. E. Dulevicha. Moskva, Sov. radio, 1966. 440 p.

Probability of target locking in a tracking system of an automatic range meter during automatic target search IU. P. Grishin, V. I. Sholomin Izv. vuz. ucheb. zap. radiotekh. 9 no 5, 630-637 S-O '66

## RADAR IN NAVIGATION

Use of radar on rivercraft A. Shukhov Rech. i transp. 21 no 7 41-45 '62

## RADAR METEOROLOGY

Energy spectrum of radar signal fluctuations due to layer of dielectric inhomogeneity in clear weather K. S. Zimpakhin Trudy GGO no 186 93-94 '66

Evaluation of radar methods for determining hail in clouds V. G. Zakharov, V. F. Lapcheva, E. S. Musholov. Trudy VGI no 3-197-204 '66

Possibility of measuring water content of clouds and intensity of precipitation using two-wavelength radar G. K. Sulakvelidze, N. Sh. Bibilashvili Trudy VGI no 3; 205-208 '66

Radar method for determination of spectrum and concentration of halos in convective clouds, M. T. Abshaeve, N. Sh. Bibilashvili. Trudy VGI no 3; 154-163 '66

Radar method of determining seats of hail origins, size of hail in cloud, and size of hail reaching earth's surface, V. F. Lapcheva, Trudy VGI no 3; 164-190 '66

Radar observations of effect of extensive convective cloud modification N. A. Zykov and others. Trudy GGO no 186, 74-79 '66

Results of comparison of radar methods for indication of sizes of halos developed by High Mountain Geophysical Institute G. K. Sulakvelidze Trudy VGI no 3; 209-213 '66

Simple device for statistical analysis of quasi-stationary echo signals K. S. Zimpakhin, V. S. Zimpakhin Trudy GGO no 186 80-85 '66

Time and space variability of showers according to radar observation data R. A. Anchugova, T. I. Morozova Trudy GGO no 186 86-92 '66

## RADIATION

Fluctuation sensitivity limit of the photographic method for recording of radiation IU. A. Anan'ev, A. A. Makh Zhur. nauch. i prikl. fiz. 7 no 2 128-132 M. -Ap '62

Radiation induced polymerization of unsaturated polyester resins without monomers, S. I. Omelchenko and others Khim. prom. Ukr. no 1-3 N-D '66

Some methodological characteristics of microelectrophysiological studies under radiation exposure N. I. Sh. Nudarelskii Radiobiologiya 6 no 5 693-696 '66

Spectrum and intensity of radiation from series of cylindrical bunches in optically active medium I. D. Gazizov, L. V. Kanchukina Izv. AN Arm. SSR, fiz. 1 no 3 200-202 '66

## RADIATION—DOSAGE

Photographic method of isodose calculation in telegamma therapy A. A. Stankevich, L. E. Pakulina, Vop. onk. 12 no 11-93-97 '66

Quasi-stationary calorimetric method of dosimetry of powerful flows of ionizing radiation V. M. Kholada, V. S. Kasaev, K. S. Pedchenko Atom. energ. 21 no 6 520-522 D '66

Use of sodium nitrophenolate solutions for chemical dosimeters in radiobiology G. G. Matveev, Vop. radiobiol. 4 421-428 '61

RADIATION—EFFECT ON CRYSTALS see Crystals, Effect of radiation on

RADIATION—EFFECT ON FETUS see Fetus, Effect of radiation on

RADIATION—EFFECT ON GLASS see Glass, Effect of radiation on

RADIATION—EFFECT ON HYDROCARBONS see Hydrocarbons, Effect of radiation on

RADIATION—EFFECT ON ION EXCHANGE RESINS see Ion exchange resins, Effect of radiation on

RADIATION—EFFECT ON LANTHANUM BORIDES see Lanthanum borides, Effect of radiation on

RADIATION—EFFECT ON NIMONIC see Nimonic, Effect of radiation on

RADIATION—EFFECT ON PERCHLORATES see Perchlorates, Effect of radiation on

RADIATION—EFFECT ON PLANTS see Plants, Effect of radiation on

RADIATION—EFFECT ON POTASSIUM PERMANGANATE see Potassium permanganate, Effect of radiation on

RADIATION—EFFECT ON SEEDS see Seeds, Effect of radiation on

## RADIATION—PHYSIOLOGICAL EFFECT

Biological action of high-energy protons (500 Mev) IU. I. Moskalov, I. K. Petrovich Bluzh. eksp. biol. i med. 55 no 5 73-77 M. '63

Changes in cellular immunity during chronic continuous action of ionizing radiation P. N. Kiselev, P. A. Buzhni Med. rad. 7 no 6, 59-65 Ag '62

Changes in the peripheral blood and bone marrow in animals irradiated in a state of nervous depression or stimulation I. M. Kondrat'eva, Vop. radiobiol. 4; 151-164 '61

Characteristics of blastogenic activity of ortholdina in irradiation A. V. Gubareva, G. B. Piles, Vop. onk. 12 no 11-51-58 '66

Comparative study of the biological characteristics of some radioresistant variants of microorganisms K. P. Kashkin, Vop. radiobiol. 4; 313-321 '61

Comparison of the radiosensitivity of mice of A and C57 (black) lines in various age periods S. N. Aleksandrov, N. A. Pronina, Vop. radiobiol. 4; 5-11 '61

Effect of analgesics on the pain sensitivity of irradiated animals G. A. Boishakova, Vop. radiobiol. 4; 317-351 '61

Effect of experimental hypotyphosis on hemopoiesis restoration in irradiated rats N. N. Petrishchev Radiobiologiya 6 no 6 844-847 '66

Effect of ionizing radiation of different intensities on phenol (C<sub>6</sub>H<sub>5</sub>OH) formation in organism of laboratory animals I. B. Fridland Radiobiologiya 6 no 5 701-753 '66

Effect of the intensity of the radiation dose on the frequency of tumor development in the hematopoietic system of mice S. N. Aleksandrov, K. F. Galkovskaya, Vop. onk. 9 no 3-40-44 '63

Evaluation of radiosensitivity of white rats G. A. Vasil'eva, V. A. Babayev, I. A. Ivanov Radiobiologiya 6 no 5 687-689 '66

Gus'kova, A. K. [Radiation and health] Radiatsiya i zhizn', Moskva, Meditsina, 1966. 48 p. (Nauchno-populnaya meditsinskaya literatura) (DNLM)

Hematological changes in compression phase of complex syndrome in irradiated and nonirradiated animals M. I. Babayev Radiobiologiya 6 no 6 842-843 '66

Mechanism of the leukemogenic effect of radiation, review of the literature T. S. Ileskanskaya, Radiogig. i per. fiz. 8 no 3 26-32 M. '64

Morphological characteristics and evaluation of the compensation-restoration changes in the tissues of an irradiated body, I. V. Lunshin, Vop. radiobiol. 4; 39-48 '61

## RADIATION—SAFETY MEASURES

Calculation of the stationary protection in premises with sources of ultrashort radiation V. A. Petukov, Vop. radiobiol. 4; 113-110 '61

Studies on protective attitudinal habits for X-ray protection devices A. N. Kravtsov, S. I. Vorontsov, L. L. Ivanov, Vest. rent. i rad. 37 no 3 60-62 M. -Je '62

Ways to improve radiation protection in dental radiography P. A. Kuznetsov, A. S. Rikhtov, Sov. m. 29 no 12 80-81 D '66

## RADIATION IMMUNOLOGY

Dynamics of changes in immunological reactivity of dogs injured by titanium oxide G. A. Shal'naya, V. I. Zhelezovskiy Radiobiologiya 6 no 6 863-868 '66

Increase of radioresistance in rabbits by vaccine virus immunization I. A. Lomashina Radiobiologiya 6 no 6 860-862 '66

Liver inclusion into immunogenesis following acute radiation sickness M. I. Ravich-Shtrikman, L. G. Prokopenko Radiobiologiya 6 no 6 862-868 '66

RADIATION OIL WELL LOGGING see Oil well logging, Radiation

## RADIATION—PROTECTIVE AGENTS

Changes in free amino acid content in liver and spleen of rats following ionizing radiation and injection of radioprotective agent L. P. Bolshaya, V. D. Mokshina, P. P. Romantsev Radiobiologiya 6 no 5 773-781 '66

Comparative activity of external photon protective agents IU. I. Gubareva and others Vest. d. m. 37 no 3 62-67 M. '63

Differences in radioprotecting mechanism between benzylmethylamine and methionine, comparative action on bacteria and white mice R. B. Steikov, L. N. Kavinitsa Radiobiologiya 6 no 5 768-769 '66

Effect of radioprotective preparations on composition of liver and brain mitochondria in rabbits N. I. Bakhareva, P. P. Romantsev Radiobiologiya 6 no 6 860-862 '66

Effect of some pharmacological substances on functional disorders of the gastrointestinal tract in experimental radiation sickness I. B. Patus, A. M. Il'manov, A. A. Danilin Vop. radiobiol. 4; 376-385 '61

Mechanism of the origin of spontaneous and radiation-induced chromosome breakage in mammalian cells IU. M. Rukavishnikov Radiobiologiya 6 no 5 864-871 '66

Microbiological studies of factors in space flight IU. M. Volynkin, P. P. Sakumov, Izv. AN SSSR, biol. 1; 310-318 M. -Je '63

Possible way of realization of radioprotective action I. G. Akoev and others Radiobiologiya 6 no 6 861-867 '66

Postirradiation modification of radiation damage in frogs (Rana ridibundus) A. M. Kuzin, P. I. Minakov Radiobiologiya 6 no 5 690-692 '66

Radioprotective effect of bacterial nucleic acids and their derivatives following gamma irradiation of laboratory animals M. A. Tumanian and others Radiobiologiya 6 no 5 712-717 '66

Radioprotective effect of cysteamine following ionizing irradiation of loach sperm E. I. A. Gusevskiy, Z. K. Faleeva, N. K. Petrova Radiobiologiya 6 no 5 886-890 '66

Study of the effect of a single prophylactic action of some pharmacological preparations on the blood system in radiation sickness N. V. Gerasimova, Vop. radiobiol. 4; 371-378 '61

Study on the radioprotective properties of infrared and ultraviolet rays in ionons caused by X rays Azerb. med. zhur. 40 no 3-48-58 M. '63

## RADIATION SICKNESS

Akademiya meditsinskikh nauk SSSR, Institut eksperimental'noi patologii i terapii. [Pathogenesis, clinical aspects, and treatment of acute radiation sickness in experiments with apes; materials of an all-Union symposium] Patogenez, klinika i lechenie ostrogo luchevo-bolnoy opytki na chelovek, materialy Vsesoyuznogo simpoziuma. Pod red. B. A. Lapina, Sukhum, Alashara, 1964. 75 p. (DNLM)

Change in the spasmodic action of arecoline and nicotine in irradiated animals G. N. Malygina, Vop. radiobiol. 4; 365-370 '61

# RADIATION SICKNESS (Continued)

- Changes in conditioned reflex activity and gastric secretion following radiation sickness. S. R. Petropol'skiy. Radiobiologiya 6 no 6 851-859 '66.
- Changes in the body temperature of white mice following total ionizing radiation. K. K. Popovskii. Biol. eksp. biol. i med. 55 no 6 18-51 Ju '63.
- Changes in the higher nervous activity of monkeys in radiation sickness. Sh. L. Dzhalagomaa. Zhur. vye. nerv. delat. 12 no. 3 472-480 My-Je '62.
- Changes in the leucocyte reactions in rats during an acute phase of radiation sickness following an injection of protein stimulants. N. I. Shmukhova. Vop. radiobiol. 4:111-116 '61.
- Changes in the nucleic acid metabolism in the mucosa of the small intestine following acute experimental radiation sickness. I. N. Davydova. Vop. radiobiol. 4:179-183 '61.
- Changes in the peripheral blood following the fractional irradiation of animals in small doses. I. V. Remizova. Vop. radiobiol. 4:105-110 '61.
- Changes in the function of the blood system to some pharmacological actions in rabbits with a radiation sickness of moderate severity. I. V. Remizova. Vop. radiobiol. 4:99-104 '61.
- Changes in the resistivity of the microflora causing autoinfection in radiation sickness to antibiotics. I. D. Meter. Vop. radiobiol. 4:303-312 '61.
- Characteristics of pneumococcal pneumonia in radiation sickness. R. M. Rabinovich, I. D. Meter. Vop. radiobiol. 4:299-307 '61.
- Clinic of repeated acute radiation sickness. P. D. Gori-zontov, N. N. Raeva, I. G. Akoev. Radiobiologiya 6 no 6 920-921 '66.
- Combined treatment of acute radiation sickness with hemopoietic stimulants and antibiotics. S. I. Manelov, L. V. Fushstein, E. I. Shcherban'. Vop. radiobiol. 4:305-311 '61.
- Comparison of some biochemical and hematological characteristics in radiation sickness and following effect of alkylating agents as exemplified by Thio-TETPA. A. V. Altsenko and others. Radiobiologiya 6 no 5 716-723 '66.
- Effect of blood-stimulating plasma substances on erythropoiesis in experimental radiation sickness. I. N. Iamshchikova. Vop. radiobiol. 4:400-405 '61.
- Effect of bone marrow implantations on the development of radiation sickness in pregnant animals and their progeny. P. A. Ivanova, E. A. Parshina, E. I. Alek-sandrovich. Med. rad. 7 no 8 52-59 Ag '62.
- Effect of phenothiazine series derivatives on the course and outcome of radiation sickness. V. I. Skolobogov. Vop. radiobiol. 4:142-145 '61.
- Effect of some hormones of the suprarrenal glands and hypophysis on the state of immunogenesis following ionizing radiation action on the organism. P. N. Kiselev, V. A. Semina. Vop. radiobiol. 4:278-286 '61.
- Effect of some pharmacological substances on functional disorders of the gastrointestinal tract in experimental radiation sickness. L. R. Pizota, A. M. Rusanov, A. A. Danilina. Vop. radiobiol. 4:379-385 '61.
- Effect of total-body irradiation on the oxygen requirement in white mice. E. A. Lialin. Vop. radiobiol. 4:150-153 '61.
- Effect of various physical loads on gas exchange in irradiated dogs. I. V. Bondarenko. Vop. radiobiol. 4:140-149 '61.
- Evaluation of the significance of the erythrocyte sedimentation reaction in rabbits following a radiation sickness of moderate severity. I. V. Remizova. Vop. radiobiol. 4:126-131 '61.
- Functional activity of leucocytes in experimental radiation sickness. V. A. Almazov, L. M. Brown, N. V. Kuz'mina. Radiobiologiya 6 no 5 700-703 '66.
- Immunological study of the significance of C-reactive protein in the action of ionizing radiation on the organism. P. A. Buzini, P. N. Kiselev. Vop. radiobiol. 4:267-277 '61.
- Lipopeptides in the hyaloplasm of liver cells in acute radiation sickness. V. D. Blokhina, E. M. Bellanova. Biokhimiia 28 no. 2:272-276 Mr-Apr '63.
- Liver inclusion into immunogenesis following acute radiation sickness. M. I. Ravich-Sheherbo, L. G. Frokopenko. Radiobiologiya 6 no 6:221-222 '66.
- Modification of vasomotor and secretory conditioned and unconditioned reflexes in acute radiation sickness in dogs. D. A. Il'inskiy. Zhur. vye. nerv. delat. 12 no. 3:521-529 My-Je '62.
- Reproduction of Morgan's toxoinfection in monkeys following acute radiation sickness. L. A. Iakovleva, B. A. Lapin, S. M. Pekarman. Med. rad. 7 no. 8:65-68 Ag '62.
- Role of yeastlike fungi on the development of autoinfection in radiation sickness. P. N. Kiselev, K. I. Nikitina. Vop. radiobiol. 4:287-295 '61.
- Serological reactions with tissue antigens in irradiated and vaccinated animals. N. N. Klempskaya, N. V. Raeva. Zhur. mikrobiol., epid. i immun. 33 no 6:107-111 Je '62.
- Significance of the change in some leucocyte reactions following irradiation for the early diagnosis of acute radiation sickness. E. I. Komarov. Vop. radiobiol. 4:117-125 '61.

Some data on a relationship between characteristic of hemorrhagic syndrome phenomenon in dogs following acute radiation sickness and topography of peripheral nervous system injury. B. I. Lchadze. Radiobiologiya 6 no 6:448-450 '66.

Some indices of pentose phosphate cycle in acute radiation sickness of dogs. R. V. Tichukhina. Radiobiologiya 6 no 5 756-758 '66.

Study of the effect of a single prophylactic action of some pharmacological preparations on the blood system in radiation sickness. N. V. Traskunova. Vop. radiobiol. 4:371-378 '61.

Surgery on the blood vessels and nerves in acute radiation sickness. L. A. McPain. Med. rad. 7 no. 8 47-52 '62.

## RADIATION SICKNESS—CONGRESSES

Tsentral'nyi nauchno-issledovatel'skii rentgeno-radiologicheskii institut [Problems of radiobiology and clinical radiobiology. Report session, content of reports, June 15-17, 1966]. Voprosy radiobiologii i klinicheskoi rentgeno-radiologii. Otkhvatnaya nauchnaya sessiya, soobshchenie dokladov 15-17 iyunia 1966 g. Leningrad 1966. 114 p. (DNLN)

## RADICALS (CHEMISTRY)

Equilibrium dissociation reactions of alkane molecules into radicals. V. A. Ulitskii. Neftekhimiia 3 no 6:650-654 9-10 '63.

Equilibrium in reactions of the molecular disproportionation of alkanes and alkenes with the formation of alkyl radicals. V. A. Ulitskii. Neftekhimiia 3 no 6:655-659 S-O '63.

Orientation of free radical addition to 1-alkenes. G. I. Nikitin, M. G. Vologodskiy, R. V. Kolesnikov. Zhur. org. khim. 2 no 11:1918-1923 N '66.

Radiospectroscopic criterion for recognition of two or several free radicals. V. I. Muronets and others. Dokl. AN SSSR 171 no 2 309-312 N '66.

## RADICALS (CHEMISTRY)—SPECTRA

Electron exchange interaction in free iminoyl tetraradicals of biphenyl series. V. A. Golubev and others. Zhur. org. khim. 2 no 11:1916-1918 N '66.

## RADIO

Lieturks, A. [Theoretical electric and radio engineering]. Teoreticheskaia elektrotehnika i radioelekhnika. Riga, Zvaigzne, 1966. 293 p. [In Latvian]

## RADIO—DICTIONARIES

Kraizmer, L. P., and S. E. Khalkin, eds. [Radio amateur's dictionary]. Slovar' radioamatora. Izd. 3., pereizd., Moscow, Energiia, 1966. 740 p. (Massovaya radioelekhnika, no. 621)

## RADIO—EQUIPMENT AND SUPPLIES

Lufskii, V. A. [Calculation of reliability and efficiency of radio electronic apparatus]. Raschet nadezhnosti i effektivnosti radioelektronnoi apparatury i spravochnik. 2., dop. i pereizd., Kiev, Naukova dumka, 1966. 207 p.

## RADIO—RECEIVERS AND RECEPTION

Effectiveness of suppressing impulse noise using non-linear feedback. V. D. Kinshteyn. Izv. vya. ucheb. zav. i radiotekh. 9 no 5:616-621 S-O '66.

Method for the reception of radio signals with strong external FM background signal. A. I. Gochikhin. Izv. vya. ucheb. zav. i radiotekh. 9 no 5:756-771 N-D '66.

## RADIO, SHORTWAVE

Shortwave radio communication on main lines of the radio center of Dickson Island during magnetic storms of various types. IA I. Tol'dshchik, L. A. Iudovich. Probl. Aik. no. 7:191-191 '63.

## RADIO, SHORTWAVE—EQUIPMENT AND SUPPLIES

Self-tuning shortwave radio communication equipment. A. A. Kasheh. Vest. svyazi 28 no 11 7-11 N '66.

## RADIO AND MUSIC see subdivision under Azerbaijan

## RADIO ANNOUNCING see subdivision under Chile

## RADIO ASTRONOMY

The earth is listening to the universe. I. Grigor'ev, V. mitsknig 6 no. 10:111 O '65.

Effect of cosmic source motion on frequency spectrum of amplitude and phase fluctuations in turbulent atmosphere. G. I. Skrypnik. Izv. vya. ucheb. zav. i radiofiz. 9 no. 6:1085-1094 '66.

Radio source SAG-A as possible injector of cosmic rays. V. N. Kuril'nik. Astron. zhur. 43 no. 8:1317-1318 N-D '66.

Spectrophotometry of radio source CTA-102. V. I. Prantik. Astron. zhur. 43 no. 6:1207-1210 N-D '66.

## RADIO ASTRONOMY—CONGRESSES

Symposium on radio astronomy at Pulkovo. V. I. Slysh. Astron. tsir. no. 306:7 O '64.

## RADIO BEACONS

Baranov, Iu. K. [Use of sectoral radio beacons in navigation]. Ispol'zovanie sektornykh radiomaiakov v sudovozhenii. Izd. 3., dop. i pereizd., Moskva, Transport, 1966. 83 p. (Kursy usoversheshtvovaniia flotsostava MMF)

Erecting a radio beacon on a raft. A. S. Denisov, L. V. Bulatov. Probl. Aik. no 7 123-126 '59.

## RADIO CIRCUITS

Analysis of radio circuits structurally represented by an impulse system. V. I. Gostev. Izv. vya. ucheb. zav. i radiotekh. 9 no 6:789-790 N-D '66.

## RADIO DETECTORS

Operation of a phase detector circuit with square input voltage. Iu. V. Popov. Izv. vya. ucheb. zav. i radiotekh. 9 no 6:790 N-D '66.

Study of a differential FM discriminator with staggered circuits. Iu. L. Bogoiudskii. Trudy VNIIRT no 1 123-133 '64.

## RADIO DIRECTION FINDERS

Correlational interference direction finding using an equisignal zone method. S. V. Samsonenko. Radiotekh. i elektronika 11 no 12 2271-2273 D '65.

## RADIO IN AGRICULTURE

(see also subdivision under Altai Mountains; Lithuania)

Familial voices. A. Fedorov. Sov. radio i tel. 12 no. 6:21-22 Je '63.

## RADIO IN EDUCATION see subdivision under Murmanak Province

## RADIO IN INDUSTRY see subdivision under Chelyabinsk, Vladimir

## RADIO IN NAVIGATION

Vlasov, V. G., and V. G. Svechnikov. [Electronic navigation devices]. Elektronai navigatsionnye pribory. Izd. 2., pereizd., Moskva, Transport, 1966. 334 p.

## RADIO IN PROPAGANDA

(see also subdivision under Cuba)

For lofty ideology and creative boldness! Sov. radio i tel. 12 no 6:1 Je '63.

V. I. Lenin and the introduction of radio broadcasting. G. Kazakov. Sov. radio i tel. 12 no. 5 15-19 Ny '63.

## RADIO IN SPORTS see subdivision under Gorky

## RADIO IN THE CONSTRUCTION INDUSTRY see subdivision under Khabarovsk Territory; Sakhalin

## RADIO INDUSTRY—MECHANIZATION

Economic efficiency of the mechanization and automation of production in the radioelectronic industry. E. Goncharov. Trudy Ekonom. fak. Kir. gos. un. no 1:22-21 '61.

## RADIO JOURNALISM

(see also subdivision under Lithuania, Rostov Province; Taldom District; Zaporozhye Province)

Correspondents not on the staff. N. Kuz'min. Sov. radio i tel. 8 no. 3:23-24 '60.

Search and find! Lev. Kasali'. Sov. radio i tel. 12 no. 5:8-9 My '63.

So life demands. M. Norinskii. Sov. radio i tel. 8 no. 3:20 '60.

## RADIO LINES

Feature of using periodic structures in the capacity of millimeter-band transmission lines. I. I. Kata, E. L. Kulikov. Radiotekh. i elektronika 11 no 11 2074-2077 N '66.

Nonlinear transformation of video signals in a controlled transmission line with ferrite. Izv. vya. ucheb. zav. i radiotekh. 9 no 5 673-675 S-O '66.

## RADIO MEASUREMENTS

Grundulits, Ansis, and Harjis Stanke. [Radio-electronic measurements]. Radioelektroniskie izmereniia. Riga, Liepina, 1966. 438 p. [In Latvian]

Introduce nondestructive methods of inspection into practice of maintenance of housing. N. N. Kishilov. Stroitel'skhi. Len. 28 no. 10-16 17 O '66.

## RADIO MUSIC

A journey into the beautiful. R. Gankina. Sov. radio i tel. 12 no. 5:3-5 My '63.

## RADIO PLAYS see subdivision under Georgia

## RADIO PLAYS—PRODUCTION AND DIRECTION

Again about radio plays. M. Mikriukov. Sov. radio i tel. 12 no. 6:10-13 Je '63.

## RADIO PROGRAMS

Seven colors of the "Rainbow." G. Skokhodov. Sov. radio i tel. 12 no. 6:14-15 Je '63.

We have exchanged! S. Lagutina. Sov. radio i tel. 12 no. 5:28 My '63.

## RADIO RELAY SYSTEMS

Eight television stations receive their programming from Moscow. Sov. radio i tel. 8 no. 3:6 '69.

## RADIO RESONATORS

Vainsheln, L. A. [Open resonators and open waveguides]. Otkrytye rezonatory i otkrytye volnovody. Moskva, Sov. radio, 1966. 474 p.

## RADIO WAVE PROPAGATION

Investigation of reception principle in propagation of superlong radio waves around earth in distance P. F. Krasushkin, R. B. Babul'skiy. Dokl. AN SSSR 171 no 2 340-343 '66

Doubling of the frequency of a spectral line with finite width and its interactions in a nonlinear medium S. A. Khramov, V. S. Chirkin. Radiotekhnika i elektronika 11 no 11 1910-1926 '66

Fluctuation characteristics of a spectrum of radio waves in the interplanetary media O. I. Ivlev, A. I. Finko. Radiotekhnika i elektronika 11 no 11 2064-2066 '66

Some characteristics of propagation of intermediate radio waves above ground with uneven relief A. A. Zubov. Geomag. i aer. 6 no 6 1071-1073 N-D '66

Theory of radiation transfer in nonhomogeneous medium V. V. Zheleznyak. Izv. vuzov. fiz. 10 no 6 1077-1084 '66

## RADIO WAVES

(see also subdivision under Minny Station, Antarctica)

Measurement of interradio waves in the anisotropic medium A. A. Zubov, S. A. Zheleznyak. Dokl. AN SSSR 171 no 1 1061-1064 '66

Determining day profile of electron concentration in C and D layers of ionosphere by measuring ground fields of superlong radio waves and their profile of atmospheric pressure R. B. Babul'skiy, P. E. Krasushkin. Geomag. i aer. 6 no 6 1051-1060 N-D '66

## RADIOACTIVATION ANALYSIS

Determination of oxygen in molybdenum by the method of activation with fast neutrons A. V. Andreev and others. Zhur. anal. khim. 21 no 12 1453-1456 '66

Radioactivation determination of bismuth in mineral raw materials E. M. Lobanov, A. V. Yankovskiy, Zhur. anal. khim. 21 no 12 1453-1456 '66

## RADIOACTIVE FALLOUT see subdivision under Crimea

## RADIOACTIVE PROSPECTING

Table of values in the function  $F(\tau, \mu)$  for theoretical calculations on gamma logging V. G. Abazov. Zap. LGI 50 no 2 69-73 '66

## RADIOACTIVE SUBSTANCES—SAFETY MEASURES

Moskovskaya sel'skokhozyaistvennaya akademiya. Radioizotopnaya laboratoriya. [Safety measures in working with radioactive substances] Tekhnika zashchity pri izboe radioaktivnykh veshchestv [By] V. V. Rakhinskiy i dr., Moskva, 1959, 35 p. (Praktikum po primeneniyu izotopov i izucheniyu sel'skomu khozyaistvu, no 4)

## RADIOACTIVE SUBSTANCES IN SOILS see Soils, Radioactive substances in

## RADIOACTIVE TRACERS

Making use of radioactive indicators to study the chemical stability of glass A. D. Shnytkov, I. S. Alimov, IU. K. Gusev. Stek i ker. 23 no 12 12-15 '66

Radioactive indicator methods of studying the effectiveness of technological measures increasing the wear resistance of machine engine parts D. G. Tchel'mikov, Sudostroenie 36 no 11 48-52 '66

Use of radioactive tracer method in studying evaporation of barium oxide from various backings V. P. Vasilev, I. M. Lutenko. Izv. AN SSSR Ser. fiz. 7 no 12 1936-1934 '66

## RADIOACTIVITY—SAFETY MEASURES

(see also subdivision under Novovoronezhskiy Atomic Power Plant)

Protective systems, equipment and devices for work with radioactive substances and means of personal protection, "Peaceful uses of atomic energy" Pavillon Inform. bul. VDNKh 10 9 26, 28-29 '66

## RADIOAUTOGRAPHY see Autoradiography

## RADIOBIOLOGY—CONGRESSES

Problems of radiobiology at the 3d Congress of Radiobiological Research N. N. Litshits. Radiobiologiya 6 no 6 923-924 '66

Third International Congress on Radiobiological Studies I. K. Kolomitsyeva. Radiobiologiya 6 no 5 770-772 '66

## RADIOBIOLOGY—RESEARCH

Principle of designing buildings for total-body animal irradiation in biological research V. A. Petrov. Vop. radiobiol. 4:429-433 '61

## RADIOBROADCASTING

(see also subdivision under Altai Territory, Chukotka Peninsula; Kamchatka; Moldavia; Moscow; Perm Province; White Russia)

International relations of the Soviet radio and television. Kh. Sarkisov. Sov. radio i tel. 12 no 3 38 My '63

My opinion, S. Apertsin. Sov. radio i tel. 12 no 6 112 13 Je '63

The "Radiobroadcasting" joint stock company, G. Senkevich. Sov. radio i tel. 12 no 6 39-40 Je '63

Work of enthusiasts, I. Barsukov. Sov. radio i tel. 12 no 6 28-29 Je '63

## RADIOBROADCASTING—COMPETITIONS

All-Union competition for the best broadcasting. L. Kiselev, N. Shtokhov. Sov. radio i tel. 8 no 3 20-22 '66

## RADIOBROADCASTING—STUDY AND TEACHING see subdivision under Moscow

## RADIOCHEMISTRY

Gromov, V. V. [Short course in radiochemistry] Khatkhi. Kurs radiokhimii. Pod red. I. N. Plakshina, [Moskva] Metallurgizmat, 1966, 243 p

Yield energy relations of radiochemical reactions of ozone, for monition and nitrogen oxidation, M. T. Dmitriyev, Zhur. fiz. khim. 40 no 11 2729-2731 N '66

## RADIOECOLOGY

Effect of ionizing radiation on early stages of the development of *Limnaea stagnalis* L. N. V. Kulkov, N. A. Tinkov, S. A. Lumbina. Radiobiologiya 6 no 6 503-512 '66

## RADIOFREQUENCY SPECTROSCOPY

Radiofrequency criterion for recognition of two or several face radicals V. I. Muromtsev and others. Dokl. AN SSSR 171 no 2 389-392 N '66

## RADIOGRAPHY

Predetermination of the localization of foreign bodies D. A. Bogatkin. Trudy Novokuz GIDUva 32:5-8 '65

X-ray structural study of superconducting alloys based on niobium V. S. Kogin, B. G. Lazarev, I. F. Iakimov. Zhur. eksp. i teor. fiz. 51 no 5 1320-1331 N '66

## RADIOISOTOPES

Radioactive isotopes for marking Colorado beetle, G. Pukinskaya. Zashch. rast. 11 no 11-52 '66

Study of evaporation of microcomponents from salt mixtures in alternating current arc by means of radioactive isotopes B. O. Filonov, M. M. Pavlichenko. Dokl. AN SSSR 10 no 12 1937-1940 D '66

## RADIOISOTOPES—INDUSTRIAL APPLICATIONS

Analysis of block diagrams of radioisotope instruments, K. S. Kicpinov, I. M. Chivachchenko, N. N. Shumilov. Skit. Avtometriya no 3 85-100 '66

Determining the volumetric weight of a soil sample by the gamma-ray method, I. S. Fedotkin, O. E. Dobrovinskaya. T. 1. Izv. Leningradsk. gos. univ. VODGEO no 4, 176-181 '62

Portable radioisotope device for determining the volumetric weight of gravel ballast, P. M. Tsigolnik, N. I. Puzanova. Transp. stroit. 11 no 11 41-45 N '61

Radioindicator method of studying thermal moisture transfer in the drying of crumb-like materials in thin layers on wet ground M. P. Volasovich, N. I. Gamaletskov, V. I. Smirnov. Koll. zhur. 28 no 6 814-818 N-D '66

## RADIOISOTOPES—PHYSIOLOGICAL EFFECT

Antibodies to autoerythrocyte lysates in rats chronically exposed to some radioactive bioelements O. G. Alekseeva. Radiobiologiya 6 no 5 708-711 '66

Differences in parameters characterizing radioactive and stable calcium metabolism following radioisotope penetration of short duration Z. V. Dubrovina, P. M. Malkin. Radiobiologiya 6 no 6 812-816 '66

Effect of radioactive water pollution on red blood in embryos and larvae of salmon (Salmo salar L.). G. V. Novitskiy. Trudy MMU no 12 189-191 '66

Study the tumorigenic action of radioisotopes, Vop. onk. 9 no 3 32-39 '63

## RADIOISOTOPES IN THE BODY

Substitution of the maximally permissible level of the content and intake of radioactive isotopes in the organism IU. I. Moskalov. Med. ind. 7 no 8 91-97 Ag '62

## RADIOLOGISTS—DISEASES AND HYGIENE

State of health of workers in roentgenological offices IU. P. Nikitin, L. N. Morozova. Trudy Novokuz GIDUva 32:143-146 '65

## RADIOLOGY, INDUSTRIAL

Using alpha-radiation radioactive pickups in automatic control systems of construction and road machinery, I. A. Rusinov, IU. K. Iakhontov. Stroitel. mash. 8 no 8 18-21 Ag '63

## RADIOLOGY, MEDICAL

Methodology and roentgenodiagnostic methods in gastric cancer IU. N. Sokolov. Vest. rent. i rad. 37 no 3 3-13 My-Je '62

Mezhinstitul'skaya konferentsiya molodykh uchenykh, 8th, [Current problems of clinical roentgenology and radiology, reports] Aktual'nye voprosy klinicheskoi rentgenologii i radiologii; doklady. Moskva, Gos. nauchno-issl. rentgeno-radiologicheskii int., 1963, 338 p.

[DNLM MICROFILM]

## RADIOLOGY, MEDICAL—CONGRESSES

Tsentral'nyi nauchno-issledovatel'skii rentgeno-radiologicheskii institut. [Problems of radiobiology and clinical roentgenology. Report session, content of reports, June 15-17, 1966] Voprosy radiobiologii i klinicheskoi rentgeno-radiologii. Otkrytaya nauchnaya sessiya; soderzhanie dokladov 15-17 iyunia 1966 g. Leningrad, 1966, 114 p.

[DNLM]

## RADIOMETRY

DRST two-channel well radiometer with heat-insulated gamma-radiation detector, P. A. Zeltman, M. V. Salnik, Nef. i gaz prom. 1:171-76 Ja-Mi '63

Use of matrices in calculating a radiation spectra of thick sources V. P. Gritsenov. Atom. energ. 21 no 6 517-518 D '66

Use of scintillation radiometry for the study of the adsorption of electrolytes on colloidal materials, Z. IU. Chelchik, T. I. Khil'manova, D. G. Fleishman. Trudy VNIIB no 51-76-84 '65

Width of spectral line of water vapor absorption at  $\lambda = 0.92$  mm V. A. Rindov, N. I. Fushov. Izv. vuzov. fiz. 10 no 6 1073-1077 '66

## RADIOMETRY—EQUIPMENT AND SUPPLIES

Device for automatic recording of the accumulation of radioactive iodine in the thyroid gland A. I. Gel'man, L. I. A. Malanov. Vest. rent. i rad. 37 no 3 65 My-Je '62

## RADIOSCOPIC DIAGNOSIS see Diagnosis, Radioscopic

## RADIOSONDES

Kokovin, N. S. [Radiotomography of atmospheric sounding] Radiotekhnika i zondirovaniya atmosfery. Leningrad, Gidrometeoizdat, 1966, 161 p.

## RADIOTHERAPY

Changes in the morphological structure of breast cancer under the effect of radiotherapy, E. L. Neishtadt. Vop. onk. 12 no 12 11-19 '66

Computative data on surgical and radioisotopic methods in treating cancer of the rectum, I. P. Iobada, Klin. onk. no 1 40-17 '65

Development of methodology for using ionizing radiation in the general complex of therapeutic measures for preventing and treating relapses and metastases of lymph node cancer, I. P. Shchepchenko, P. A. Nekrasov. Klin. onk. no 1 27-33 '65

Effect of ionizing radiation on pigmentary lymphoma, V. N. Khamlevskaya. Klin. onk. no 1 129-130 '65

Effectiveness of roentgenotherapy of chronic tonsillitis based on data of cytological contents of lacunae and allergic skin reactions, R. I. A. Gashil', I. A. D. Mlasovskiy. Vest. rent. i rad. 37 no 3 72-73 My-Je '62

Fluorescence microscopy indices of the sensitivity of cells of cancer of the cervix uteri to radiation, L. L. Valner, Vop. onk. 12 no 11 67-70 '66

Growth of gray hair following roentgen therapy of acropachyodermatomyces A. G. Sinitov. Vest. dermatov. 37 no 3 65-67 Mr '63

Late results of combined radiotherapy in cancer of the cervix uteri, data of the Tambov Province Oncological Dispensary V. I. Kobert. Vest. rent. i rad. 37 no 3 71 My-Je '62

Results of radiotherapy in Ewing's tumor, G. G. Mitov. Vest. rent. i rad. 37 no 3 54-60 My-Je '62

Technique of the radiologist in dealing with metastases in the lymphatic glands in tumors of the head and neck, M. A. Volkova. Med. ind. 7 no 8 37-37 Ag '62

Use of oxygen in oncological radiotherapy, I. P. Bezzin, A. I. Bukharin, I. M. P'pulech. Vop. onk. 12 no 12 76-83 '66

## RADIOTHERAPY—COMPLICATIONS AND SEQUELAE

Late radiation lesions of the urinary bladder and rectum following combined radiotherapy of female genitalia, A. P. Koshman. Klin. onk. no 1 64-68 '65

## RADIOTHERAPY—SIDE EFFECTS

Functional changes in the human blood circulation system under the effect of therapeutic doses of ionizing radiation, V. I. Koldin, V. M. Stepanov. Trudy Novokuz GIDUva 32:134-139 '65

## RADISHES—VARIETIES see subdivision under Abkhazla

## RADIUM see subdivision under White Russia

## RADIUS—DISEASES

Etiopathology of the distal end of the radius and its treatment P. I. Balich. Travmatologiya no 1 278-280 '65

## RADIUS—FRACTURE

Clinical and X-ray observations in intra-articular fractures of the distal extremities of the radius, V. N. Litvinova. Travmatologiya no 1 287-291 '65

Early use of diathermy in the treatment of radial fractures in the typical location, L. I. Talrova. Travmatologiya no 1 320-320 '65

Ornstein, E. G. [Fractures of the radius at the classical place] Perelomy luchavoi kosti v klassicheskoi mosle. Kishinev, Karta Moldoveniako, 1966, 118 p. (DNLM)

Treatment of fractures of the head and neck of the radius, A. S. Marinich. Travmatologiya no 1 281-286 '65

## RADON

Myelorradiometry in diseases of the spinal cord, V. Kh. Fienkel', Med. rad. 7 no 8 11-16 Ag '62

## RADON—THERAPEUTIC USE

Radiation energy absorbed by the human organism while inhaling air and ingesting water enriched with radon, S. V. Andreev. Med. rad. 7 no 8 40-46 Ag '62

## RADON ISOTOPES—PHYSIOLOGICAL EFFECTS

Effect of the irradiation of peripheral regions of the nervous system on the respiration of skeletal muscles  
Z. I. Slutova, Vop. radiofiziol. 4 19-58 '61

## RADZHABOV, ZARIF SHARIPOVICH, 1906- —BIO-BIBLIOGRAPHY

Akademika nauk Tadzhikskoi SSR. Tsentral'naya nauchnaya biblioteka. Zarif Sharipovich Radzhabov, Vstup. stat'ia G. E. Bellakova i S. D. Gubar' Bibliografiya sost. N. G. Shechebakova. Dushanbe, Donish, 1968. 58 p. (Materiaily k bibliografiy uchenykh Tadzhikistana, no. 11)

## RAEVSKII, GENNADI VASIL'EVICH, 1921-1964

G. V. Radvskii, A. E. Moskalenko. Vop. ist. slav. no. 2: 292-293 '66

## RAFFINOSE

Raffinose fermentation by Clostridium acetobutylicum  
N. A. Shecheblykina, B. M. Nakhmanovich. Mikrobiologiya 35 no. 5: 789-791 S-O '66.

## RAGWEED

Allergy to pollen of Ambrosia artemisiifolia  
I. E. Akopov, A. I. Ostroumov. Sov. med. 29 no. 12: 96-99 D '66

## RAILROAD BRIDGES

(see also subdivision under Dniestr, Irkutsk Province; Gorkiy)

Completely welded span structure of a rod system  
A. S. Gershman. Transp. stroi. 11 no. 12: 44-46 D '61

Performance of a precast reinforced concrete structure with a span of 55 m.  
V. P. Pol'evko, I. U. L. Mel'nikov, L. V. Zakharov. Transp. stroi. 11 no. 11: 7-19 N '61.  
Roads for forming channels  
F. C. Dudko. Transp. stroi. 11 no. 12: 51 D '61

## RAILROAD CONDUCTORS

Are chief conductors needed?  
N. T. Kravtchik, A. A. Dushin. Zhel. dor. transp. 18 no. 6: 51-55 Je '66.

## RAILROAD ENGINEERING

Passage of double-heading trains for raising capacity of lines.  
I. G. Tikhomirov, P. A. Sytsko. Zhel. dor. transp. 48 no. 7: 39-42 J '66.

Utilization of electronic computing machines in the design of railroads.  
I. U. E. Ryvkin. Transp. stroi. 11 no. 12: 46-48 D '61.

## RAILROAD ENGINEERING—FINANCE

Some possibilities of increasing the profitability of railroad construction organizations.  
V. Babitskii. Fin. SSSR 40 no. 11: 50-54 N '66.

## RAILROADS

(see also subdivision under Bulgaria, Manchuria; Moscow)

Answers to questions.  
I. U. K. Olenko and others. Put' i put. khoz. 10 no. 8: 41 '66.

Basic direction in developing railroad transportation.  
Zhel. dor. transp. 48 no. 6: 3-6 Je '66.

Conditions of all-Union competition.  
Put' i put. khoz. 10 no. 8: 18 '66.

Do you know that...?  
Put' i put. khoz. 10 no. 8: 38 '66.

From out of the past.  
Put' i put. khoz. 10 no. 8: 47 '66.

New assignments, new demands.  
Zhel. dor. transp. 48 no. 7: 3-6 J '66.

New conditions of planning and economic stimulation on Soviet and Gorkiy railroads.  
G. A. Al'tshuler. Zhel. dor. transp. 18 no. 6: 23-31 Je '66.

Organizing tourist excursion transportation.  
A. A. Chetnysh, N. V. Pravidin. Zhel. dor. transp. 48 no. 7: 34-36 J '66.

Railroad chronicle.  
Zhel. dor. transp. 48 no. 6: 86-87 Je '66.

Railroad chronicle.  
Zhel. dor. transp. 48 no. 10: 86 O '66.

The traditional holiday of railroad men.  
Put' i put. khoz. 10 no. 8: 1 '66.

Use of mathematical methods in determining the dependence of rail and capital assets on the volume of transportation.  
N. G. Smekhnova. Trudy MNT no. 248: 59-70 '66.

Using polymer materials on Moscow railroad.  
A. V. Pgorov. Zhel. dor. transp. 48 no. 10: 56-58 O '66.

Volunteer control is vigilant.  
I. U. N. Markov. Put' i put. khoz. 10 no. 12: 24-26 '66.

What kind of rails are better.  
P. A. Kobrin. Put' i put. khoz. 10 no. 12: 39-41 '66.

## RAILROADS—ABSTRACTS

{Railroad transportation} Ref. zhur.: Zhel. dor. transp. no. 1 Ja '67.

## RAILROADS—ACCOUNTING

More about the economic comparison of variants when designing railroad lines.  
N. M. Roinishvili and others. Transp. stroi. 11 no. 11: 43 N '61.

New methods of business accounting.  
I. E. Grubskii, V. P. Zakharova. Zhel. dor. transp. 48 no. 11: 56-61 N '66.

## RAILROADS—BRAKES

Cast iron, titanium alloyed brake shoes.  
K. G. Kolomitshev and others. Zhel. dor. transp. 48 no. 11: 44-45 N '66.

Perfecting construction of composition brake shoes  
I. A. Zaslavskiy, V. M. Kivrovskiy, M. M. Sokolov. Zhel. dor. transp. 48 no. 11: 53-55 N '66.

Replies to the inquiries of our readers.  
Flek i tepl. stroi. 10 no. 10: 37 O '66.

## RAILROADS—BUILDINGS AND STRUCTURES

Determination of operating expenses by comparing variants of stations and terminals.  
I. G. Tsypin. Transp. stroi. 11 no. 11: 42 N '61.

Large-panel buildings of an integrated series.  
M. A. Fishchukov. Transp. stroi. 11 no. 11: 33-36 N '61.

Manufacture of the elements and assembly of large-panel buildings in an integrated series.  
M. A. Fishchukov. Transp. stroi. 11 no. 12: 31-31 D '61.

Ways to lower the cost of housing construction on railroad lines.  
B. M. Ershov. Transp. stroi. 11 no. 11: 38-37 N '61.

## RAILROADS—CARS

Increase car efficiency.  
Zhel. dor. transp. 48 no. 11: 3-6 N '66.

Introducing experience of Moskovka carmen.  
V. A. Barbohin. Zhel. dor. transp. 18 no. 11: 27-33 N '66.

News of foreign technology.  
Zhel. dor. transp. 48 no. 10: 92 O '66.

Overall evaluation of car utilization.  
V. N. Derzhavin. Zhel. dor. transp. 18 no. 11: 18-19 N '66.

## RAILROADS—CARS—DESIGN AND CONSTRUCTION

Fedorov, A. V. [Ways of raising car durability]. Put' i put. khoz. 10 no. 11: 27-33 N '66.

Modernizing cars at the Krasnodar plant.  
V. P. Trondin. Zhel. dor. transp. 48 no. 11: 50-52 N '66.

## RAILROADS—CARS—MAINTENANCE AND REPAIR

Alekseev, V. D., and S. V. Zarlin. [Advanced technology in inspection and running maintenance of cars at points of technical inspection, information cards 1-8]. Peredovaya tekhnologiya osmotra i tekushchego remonta vagonov na punktakh tekhnicheskogo osmotra, informatsionnye karty No. 1-8. Moskva, 1964. 25 p. (Seriya "Vagon i vagonnoe khoz. taistvo," no. 6)

Continuous maintenance of all-metal cars.  
V. I. Dmitriyev, N. N. Potkin. Zhel. dor. transp. 18 no. 6: 70-80 Je '66.

Effectiveness of specialization in car repair plants.  
A. P. Iokhnovskaya. Zhel. dor. transp. 18 no. 10: 44-47 O '66.

Experience of Moskovka depot carmen for all stations.  
G. T. Kingly. Zhel. dor. transp. 18 no. 6: 63-66 Je '66.

A method of replacing platforms in car dumps.  
V. K. Mikhailov, V. S. Baranov. Koks i khim. no. 12: 17-49 '66.

## RAILROADS—CARS—WELDING

Organizing electric welding work during repair of constant cars.  
A. B. Egorov. Zhel. dor. transp. 48 no. 11: 52-53 N '66.

## RAILROADS—COMMUNICATION SYSTEMS

Overall information on Sverdlovsk railroad.  
A. I. Ol'khov, G. M. Shchepin. Zhel. dor. transp. 48 no. 7: 27-30 J '66.

## RAILROADS—COST OF CONSTRUCTION

Let's lower the cost of construction by shortening the time required to carry out operations.  
B. E. Kaplanov. Transp. stroi. 11 no. 12: 36-37 D '61.

Problems of lowering construction costs in the designs of second tracks.  
P. E. Zaitsev, M. L. Lastovchenko, V. A. Florents. Transp. stroi. 11 no. 12: 35-36 D '61.

Time, cost, and quality of construction.  
F. G. Sokolov. Zhel. dor. transp. 48 no. 6: 31-35 Je '66.

## RAILROADS—COST OF OPERATION

under Caucasus, Northern

## RAILROADS—CROSSINGS

Unevenness in frogs.  
V. I. Abtostimov. Put' i put. khoz. 10 no. 12: 27-28 '66.

## RAILROADS—CROSSINGS—MAINTENANCE AND REPAIR

New instructions for installation and servicing of crossings.  
L. P. Pisariuk. Put' i put. khoz. 10 no. 8: 43-45 '66.

## RAILROADS—CURVES AND TURNOUTS

Hump yard cars retarders for use on curved portions of track.  
V. P. Sheikin, L. S. Paus. Zhel. dor. transp. 48 no. 10: 83-81 O '66.

## RAILROADS—DESIGN AND CONSTRUCTION

(see also subdivision under Irkutsk Government; Kazakhstan; Siberia)

Newsletter about new foreign equipment for track and the construction of railroads.  
Transp. stroi. 11 no. 11: 58 N '61.

They write to us.  
Transp. stroi. 11 no. 12: 56 D '61.

Work achievements of construction workers in the transportation industry in celebration of the 22nd Congress of the CPSU.  
Tr. insp. stroi. 11 no. 11: 3-4 N '61

## RAILROADS—EARTHWORK

Combating karst deformations.  
A. P. Molibozhko, V. A. Medvedev. Put' i put. khoz. 10 no. 8: 31 '66.

Make under use of physicochemical methods of renewing roadbeds.  
Put' i put. khoz. 10 no. 8: 30 '66.

Over-all mechanization of the finishing of an earth roadbed.  
V. M. Taitan. Tr. insp. stroi. 11 no. 11: 13-15 N '61

## RAILROADS—ELECTRIFICATION

(see also subdivision under Germany, East)

From Moscow to Lake Balkal.  
L. O. Gubor. Transp. stroi. 11 no. 11: 8-12 N '61.

Increasing effectiveness of electrification.  
F. I. Kosov, V. N. Davydov. Zhel. dor. transp. 48 no. 7: 13-10 J '66.

Installation of supports for the contact system from the track on the Malaya Vishera - Bologoye section.  
V. I. Sadovoy. Transp. stroi. 11 no. 11: 12-13 N '61.

Semi-shield for renovating railroad tunnels.  
I. I. Melnikov. Transp. stroi. 11 no. 12: 25-27 D '61.

## RAILROADS—ELECTRONIC EQUIPMENT

Means for increasing the reliability of the protection of communication and centralized traffic control systems.  
resonant-aperture smoothing device and improvement of a single-mesh filter.  
M. I. Veksel, E. M. Guttsht. Flek i tepl. stroi. 10 no. 10: 24-27 O '66.

## RAILROADS—EMPLOYEES

Determining quantity of inspection-repairmen in multi-group servicing of trains.  
A. G. Komarov. Zhel. dor. transp. 48 no. 7: 59-61 J '66.

New developments in rewarding railroad executives, engineers, technicians, and employees.  
I. G. Prida. Zhel. dor. transp. 48 no. 11: 70-73 N '66.

They have won the right to be called "best in their profession."  
Flek i tepl. stroi. 10 no. 10: 8 O '66.

## RAILROADS—EMPLOYEES—EDUCATION AND TRAINING

(see also subdivision under Siberia, Western)

A study group on a railroad.  
A. A. Averin. Zhel. dor. transp. 48 no. 6: 87 Je '66.

Teacher of a new employee.  
I. U. N. Volkovich. Put' i put. khoz. 10 no. 12: 29-23 '66.

## RAILROADS—EMPLOYEES—MEDICAL CARE

Organization of oncological service on Odessa-Kishinev Railway.  
I. M. Tsukerman. Vop. onk. 12 no. 11: 101-103 '66.

## RAILROADS—EXHIBITIONS

Exhibit of mechanization and automation of engineering and administrative work.  
V. I. Bushuev. Zhel. dor. transp. 18 no. 11: 77-81 N '66.

## RAILROADS—FINANCE

Basic funds and analysis of their utilization.  
N. G. Smekhnova. Zhel. dor. transp. 18 no. 7: 75-79 J '66.

Economic calculation and economic stimulation.  
N. I. A. Klesich. Zhel. dor. transp. 48 no. 6: 35-39 Je '66.

Economics science, practice.  
B. I. Shafirkin. Zhel. dor. transp. 48 no. 11: 61-67 N '66.

## RAILROADS—FREIGHT

Conditions for rhythmical operation of railroads and railroad enterprises.  
I. P. Povarov. Zhel. dor. transp. 48 no. 7: 30-32 J '66.

Distribution of freight installations on sorting stations.  
V. P. Iaroshevich. Zhel. dor. transp. 48 no. 10: 36-38 O '66.

Evaluating certain thermophysical methods for preventing the sticking of the shipped opiate concentrate to the interior surface of the car.  
V. D. Roznikov, A. M. Globus, I. A. Ioffe. Trudy Solntse-Mor. NII'rukt. no. 7: 94-104 '65.

Exchange of experience in freight work mechanization.  
Zhel. dor. transp. 48 no. 10: 51-52 O '66.

Further growth of freight economy.  
K. N. Malakhov. Zhel. dor. transp. 48 no. 7: 7-11 J '66.

High-efficiency machines for loading and unloading operations.  
F. A. Pindis. Zhel. dor. transp. 48 no. 10: 5-10 O '66.

How to improve technical standardization of service.  
I. M. Moiseyevskii. Zhel. dor. transp. 48 no. 10: 26-30 O '66.

Improving transport and expediting service.  
G. M. Makhovets. Zhel. dor. transp. 48 no. 10: 32 O '66.

Mechanical processing of loose bulky materials on freight platforms.  
G. I. Makedonov. Zhel. dor. transp. 48 no. 6: 60-62 Je '66.

Mechanized distances increase freight processing.  
E. P. Gorbun, M. I. Melnik-Guselnov. Zhel. dor. transp. 48 no. 10: 30-31 O '66.

## RAILROADS—FREIGHT (Continued)

New schedule graphs and freight cards. B. A. Virovnik. Zhel. dor. transp. 48 no. 11:15-18 O '66.  
New schedule graphs and freight cards. B. A. Virovnik. Zhel. dor. transp. 48 no. 11:15-18 O '66.

Organization of local work in a section. I. U. Vysotskiy. Zhel. dor. transp. 48 no. 11:15-18 O '66.  
Organizing shipment of perishable cargoes. S. G. Ratin. Zhel. dor. transp. 48 no. 11:15-18 O '66.

Running freight cars on transport. A. V. Titov. Zhel. dor. transp. 48 no. 11:15-18 O '66.  
Transportation service for municipal enterprises. K. I. D. Rabinovich. Zhel. dor. transp. 48 no. 11:15-18 O '66.

Transporting large spools. V. G. Levintsev. Zhel. dor. transp. 48 no. 11:15-18 O '66.  
Unloading possibilities of mechanized loading and unloading operations. V. F. Khudov. Zhel. dor. transp. 48 no. 11:15-18 O '66.

Using amortization discounts under new conditions. A. B. Izrael. Zhel. dor. transp. 48 no. 11:15-18 O '66.

## RAILROADS—FREIGHT CARS

To increase freight car efficiency. Zhel. dor. transp. 48 no. 11:15-18 O '66.

## RAILROADS—FREIGHT CARS—MAINTENANCE AND REPAIR

Popov, A. N., and F. B. Hozlinskiy. [Factory repair of freight cars and their nodes on conveyors] Zavodskoi remont gruzovykh vagonov i ikh uzlov na konveierakh Moskva, 1964. 39 p. (Seriya "Vagony i vagonnoe khoz-yaistvo," no. 4).

Washing and repair trains for preparation of cars for supply cargoes. Z. M. Martsinkov, B. S. Polshak. Zhel. dor. transp. 48 no. 7:56-58 JI '66.

## RAILROADS—JOINT USE OF FACILITIES

Cooperative use of technical facilities. M. G. Gindich. Zhel. dor. transp. 48 no. 10:76-77 O '66.

## RAILROADS—LABOR PRODUCTIVITY

How to improve locomotive gang labor organization. E. M. Frishkin, A. S. Shumilov. Zhel. dor. transp. 48 no. 6:48-53 Je '66.

Potentials for improving track maintenance and raising efficiency of trackmen. N. V. Ustolov. Zhel. dor. transp. 48 no. 11:41-43 N '66.

Scientific labor organization and raising effectiveness of production. G. I. Fadagidze. Zhel. dor. transp. 48 no. 11:41-43 N '66.

## RAILROADS—LOCATION

The roads of brotherhood, complete with a map. E. Belousky. Ignitor 34 no. 24:47-49 D '66.

## RAILROADS—MAINTENANCE AND REPAIR

Determining production expenditures in technical and economic calculations. A. E. Gishman, L. G. Tsypin. Zhel. dor. transp. 48 no. 10:70-72 O '66.

Economic effectiveness of complete overhauling. N. I. Vertinskii, P. A. Lifanov. Put' i put. khoz. 10 no. 12:15-16 '66.

The high quality and economic efficiency of our work. M. A. Shchukin. Put' i put. khoz. 10 no. 8:9-10 '66.

Not a single case of a flaw. A. P. Steblov. Put' i put. khoz. 10 no. 12:36 '66.

Potential of graphs for track and overhead contact system maintenance. M. A. Frishman and others. Zhel. dor. transp. 48 no. 7:37-39 JI '66.

What kind of rails are better. P. A. Koblin. Put' i put. khoz. 10 no. 12:19-21 '66.

## RAILROADS—MANAGEMENT

Conditions for rational operation of railroads and railroad enterprises. L. P. Pavlov. Zhel. dor. transp. 48 no. 7:30-32 JI '66.

Increase car efficiency. Zhel. dor. transp. 48 no. 11:3-6 N '66.

Industry is organized in a new way. N. A. Leuchil, M. A. Kargapol'tsev. Put' i put. khoz. 10 no. 12:5-8 '66.

Overall evaluation of car utilization. V. N. Derzhavin. Zhel. dor. transp. 48 no. 11:18-19 N '66.

Railway engineers fulfill the assignments of the five-year plan. A. I. Tsepshelov. Put' i put. khoz. 10 no. 12:1-4 '66.

Studying the relationship between the work indices and the use of rolling stock by methods of correlation analysis. O. V. Bakushkina. Trudy MFT no. 248:35-41 '66.

## RAILROADS—MAPS

Russia (U.S.S.R.). Glavnoe upravleniye geodezii i kartografiy. [Railroads of the U.S.S.R., lines and stations] Zheleznnye dorogi SSSR; napravleniya i stantsii. 2. Izd. Moskva, 1965. 150 p.

## RAILROADS—MECHANIZATION

(see also subdivision under Moscow)  
Linear programming and the scientific organization of labor. I. B. Lektin. Put' i put. khoz. 10 no. 8:15-18 '66.

## RAILROADS—PASSENGER CARS

New system of numbering passenger cars. A. A. Chelnyshin, V. F. Archakov. Zhel. dor. transp. 48 no. 11:15-18 O '66.

## RAILROADS—PASSENGER CARS—WASHING

Mechanized washing of bodies of passenger cars. I. V. Makarov, M. D. Kromnikov. Zhel. dor. transp. 48 no. 11:52 N '66.

## RAILROADS—PASSENGER TRAFFIC

Bring passenger transportation to the level of growing demands. B. P. Zaitsev. Zhel. dor. transp. 48 no. 6:7-13 Je '66.

Development of high-speed passenger transportation. A. N. Shpak and others. Zhel. dor. transp. 48 no. 10:88-91 O '66.

Using amortization discounts under new conditions. A. B. Izrael. Zhel. dor. transp. 48 no. 10:65-69 O '66.

Ways of raising profitability of passenger transportation. A. P. Abramov. Zhel. dor. transp. 48 no. 10:33-34 O '66.

## RAILROADS—RAILS

Noise silencers. G. V. Bobin, V. M. Ivanov. Put' i put. khoz. 10 no. 8:24 '66.

Rail length in hump yards. V. I. Matveev. Put' i put. khoz. 10 no. 12:20-31 '66.

## RAILROADS—RAILS—MAINTENANCE AND REPAIR

subdivision under Bryansk  
A machine created by laureates. M. N. Provodina. Put' i put. khoz. 10 no. 8:19-21 '66.

Welding of alloyed rails. N. K. Khinshcheva. Put' i put. khoz. 10 no. 12:12 '66.

## RAILROADS—REPAIR SHOPS

Material and equipment supply should be improved. F. P. Trumantsev. Elek. i teple. tizna 10 no. 10:1 O '66.

Success is guaranteed by good organization of work and production. Elek. i teple. tizna 10 no. 10:19-20 O '66.

What the figures disclose, analysis of production and financial operation of the Kuibyshev railroad repair shop. L. D. Brikov, S. G. Paleva, E. A. Fedosikhina. Elek. i teple. tizna 10 no. 10:12-16 O '66.

## RAILROADS—ROLLING STOCK

(see also subdivision under Rumania)  
Storage battery rolling stock. V. M. Levintsev. Zhel. dor. transp. 48 no. 7:101-05 JI '66.

## RAILROADS—ROLLING STOCK—DESIGN AND CONSTRUCTION

Using synthetic adhesives for rolling stock construction. V. M. Khutlev. Zhel. dor. transp. 48 no. 11:17-40 N '66.

## RAILROADS—ROLLING STOCK—MAINTENANCE AND REPAIR

Mechanized repair trains at Magnitogorsk station. K. P. Kondakov, I. U. S. Podshivalov. Zhel. dor. transp. 48 no. 10:54-56 O '66.

Runs between maintenance and utilization of locomotive power. R. G. Chetepashenets. Zhel. dor. transp. 48 no. 7:19-51 JI '66.

## RAILROADS—ROLLING STOCK—TECHNOLOGICAL INNOVATIONS

see subdivision under Germany, East  
RAILROADS—ROUNDHOUSES—DESIGN AND CONSTRUCTION see subdivision under Lvov Province

## RAILROADS—SAFETY MEASURES

They improved safety technology. A. M. Shilin. Put' i put. khoz. 10 no. 12:41-42 '66.

## RAILROADS—SIGNALING

A change in instructions. Put' i put. khoz. 10 no. 8:14 '66.

Ways to industrialize the assembly operations for signal systems. I. A. Beliaev. Transp. stroi. 11 no. 12:15-16 D '66.

## RAILROADS—SIGNALING—INTERLOCKING SYSTEMS

Golovan', P. F., N. F. Muchkin, and E. I. Rakito. [Construction of automatic block systems and electric interlocking systems] Stroitel'stvo avtoblokrovki i elektricheskoi tsentralizatsii. Moskva, Transpoit, 1966. 327 p.

## RAILROADS—SNOW PROTECTION AND REMOVAL

(see also subdivision under Russia, Northern)  
Reinforced concrete fences with isolating panels. T. G. Taglev. Put' i put. khoz. 10 no. 8:37-38 '66.

## RAILROADS—STATIONS

New Technical Specifications for the Design of Stations and Terminals. G. Z. Verisman, K. K. Tait. Transp. stroi. 11 no. 12:38-40 D '66.

[Tariff guide No. 4] Tarifnoe rukovodstvo No. 4. Moskva, Transpoit.  
Book 2. Pt. 1. [Alphabetical list of rail card situations. Effective from October 1, 1965] Alfavitnyy spiskok zheleznodorozhnykh stantsii. Vvedeno v deystvie s 1 oktabria 1965 goda. 1965. 559 p.

Technical aestheticism in locomotive depots. I. V. Opyshko. Zhel. dor. transp. 48 no. 7:6-7 O '66.

## RAILROADS—STATIONS—MAINTENANCE AND REPAIR

Rebuilding the Kursk railroad station in Moscow. Zhel. dor. transp. 48 no. 6:85-86 Je '66.

## RAILROADS—STATIONS—MANAGEMENT

The leading depot in a long scientific labor organization. K. M. Vasil'ev, V. I. Sviridov. Zhel. dor. transp. 48 no. 6:67-71 Je '66.

Organization of local work in terminals. A. M. Mikhlin, N. I. Khlyvanskiy. Zhel. dor. transp. 48 no. 6:58-60 Je '66.

## RAILROADS—STATISTICS

Use of statistical methods in analyzing the results of the introduction of new equipment; an exemplified by signalization and communication fields. I. A. Shubnikov. Trudy MFT no. 218:42-58 '66.

## RAILROADS—SWITCHES

Anchorage of plant systems. A. A. Shchukin, A. A. Shchukin. Put' i put. khoz. 10 no. 8:21 '66.

Hydro for assembly of switches. I. K. Smirnov, I. I. Potapenko. Put' i put. khoz. 10 no. 8:22-23 '66.

Mechanized laying of switch with 1/10 hump slope. I. K. Smirnov, S. I. Akhmedov. Put' i put. khoz. 10 no. 11:11 '66.

## RAILROADS—SWITCHING

Automating speed control of train shunting on existing jumps. N. M. Ponomarev and others. Zhel. dor. transp. 48 no. 10:33-35 O '66.

## RAILROADS—TECHNOLOGICAL INNOVATIONS

(see also subdivision under France)  
Fulfilling the plans of scientific research work. Zhel. dor. transp. 48 no. 6:81-82 Je '66.

Innovators continue their research. A. I. Pavlov. Put' i put. khoz. 10 no. 8:14-16 '66.

Introduction of inventions and efficiency proposals in a potential in raising economic effectiveness. V. A. Gratchenko. Zhel. dor. transp. 48 no. 11:15-17 JI '66.

New developments in foreign technology. Zhel. dor. transp. 48 no. 6:93-91 Je '66.

News of foreign technology. Zhel. dor. transp. 48 no. 11:94-95 N '66.

Use of statistical methods in analyzing the results of the introduction of new equipment; an exemplified by signalization and communication fields. I. A. Shubnikov. Trudy MFT no. 248:12-58 '66.

## RAILROADS—TICKETS

New automatic ticket-printing machine with change mechanism. Zhel. dor. transp. 48 no. 11:81-82 N '66.

## RAILROADS—TIES

More about ties with wedge-shaped cross sections. V. G. Malynchev. Put' i put. khoz. 10 no. 12:8-10 '66.

Paddings protect ties. V. S. Lyubskiy, I. S. Lyubskiy, A. V. Koshkin. Put' i put. khoz. 10 no. 12:17-18 '66.

## RAILROADS—TRACK

Construction and maintenance of track potentials and perspectives. M. A. Chernykhov. Zhel. dor. transp. 48 no. 6:13-19 Je '66.

Self-propelled unit for welding rail joints. G. P. Tashkov. Transp. stroi. 11 no. 12:40 D '66.

Use of cement to reinforce roadbeds. M. S. Kuznetsov. Transp. stroi. 11 no. 12:10-12 '66.

## RAILROADS—TRACK—MAINTENANCE AND REPAIR

Birth and formation of track work mechanization. M. T. Chlenov. Put' i put. khoz. 10 no. 12:31-36 '66.

Correcting devices of tamping machines. A. P. Shchukin. Put' i put. khoz. 10 no. 12:19-21 '66.

How to improve track maintenance. V. V. Radlov. Zhel. dor. transp. 48 no. 7:51-53 JI '66.

Increasing rate of mechanization of track maintenance. A. P. Zolotarevskiy, M. T. Chlenov. Zhel. dor. transp. 48 no. 10:11-11 O '66.

Perfecting organization of track maintenance. M. T. Chlenov. Put' i put. khoz. 10 no. 8:25 '66.

Potentials for improving track maintenance and raising work efficiency of trackmen. N. V. Ilkhalov. Zhel. dor. transp. 48 no. 11:41-43 N '66.

Service of new design track. A. S. Chetverikov, M. M. Zverev. Put' i put. khoz. 10 no. 12:1-3 '66.

A united collective. V. M. Kombarov. Put' i put. khoz. 10 no. 12:17 '66.

What is the best way of maintaining track at junctions. V. M. Shchukin, A. M. Rozenberg, A. P. Kodinets. Put' i put. khoz. 10 no. 8:6-8 '66.

## RAILROADS—TRAFFIC—SAFETY MEASURES

New developments in traffic safety control carried out by volunteer workers. N. V. Korovnikov. Zhel. dor. transp. 48 no. 6:55-58 Je '66.

## RAILROADS—TRAINS—BRAKES

Organizing repair of electropneumatic automatic broken. A. T. Pudovkin. Zhel. dor. transp. 48 no. 6:78-79 Je '66.



**RAILROADS—TRAINS—MAINTENANCE AND REPAIR**  
Determining quantity of inspector-epalmen in multi-group servicing of trains. A. E. Romanov. Zhel. dor. transp. 18 no. 7 59-61 J1 '66

#### RAILROADS—YARDS

Chirkov, V. V. [Basic trends in developing car yards on foreign railroads, a review] Osnovnye tendentsii razvitiya vagonnogo parka na zarubezhnykh zheleznnykh dorogakh, obzor. Moskva, 1964. 37 p. (Seria "Vagony i vagonnoe khozinstvo," no. 5)

Effective utilization of sorting tracks. O. A. Olcinik. Zhel. dor. transp. 18 no. 11 20-21 N '66.

#### RAILROADS—YARDS—MANAGEMENT

Advanced technology of sorting station operation. V. L. Buz'shnikov, E. V. Pankov, A. G. Vasyukhin. Zhel. dor. transp. 48 no. 7 10-18 J1 '66

New plan of sorting stations. V. G. Simonov, E. S. Gerasimov. Zhel. dor. transp. 18 no. 6 97-99 J1 '66

Organizing sorting station operation on scientific basis. V. S. Zhitomirskii. Zhel. dor. transp. 18 no. 10 19-23 O '66

Perfecting technology of sorting yard operation. V. M. Dolabridze, I. I. Gushstein. Zhel. dor. transp. 18 no. 6 45-47 J1 '66.

#### RAIN AND RAINFALL

Origin of rain during fall of hail. V. V. Ivanov, M. A. Kuznetsov. Trudy VGI no. 1 113-116 '66

Protection of facades of totally prefabricated buildings against rain water. K. K. Kashnikov, K. Skurdull. Na stroit. Ros. 1 no. 10 27-28 O '63.

#### RAIN FORESTS

Tropical forests (brief ecological and biological characteristics). I. P. Praydin. Trudy Un. družn. nat. 11, Sibirskoz. aruk. no. 1 113-158 '66

#### RAMAN EFFECT

Experimental determination of tensor of Raman scattering in  $\alpha$ -quartz. D. P. Kiselev. Kristallografia 11 no. 4 862-864 N-D '66

Raman spectra of carbohydrates of various classes. Report No. 4. Spectra of polyalkylbenzenes. E. G. Treshchova, V. B. Svarchenko, R. I. A. Lovina. Vest. Mosk. un. Ser. 2: Khim. 17 no. 5 66-70 S-O '62

Selection rules for vibration structures in Raman scattering spectra. K. Polkov, F. D. Trifonov. Izv. vuz. fiz. 4 no. 7 2039-2043 N '66

Theory of stimulated Raman scattering of light on excitons. L. A. Tsvirko. Ukr. fiz. zhur. 11 no. 11 1218-1220 N '66

#### RAMANY OIL FIELD—OIL FIELD BRINES

Effect of bottom water on oil recovery from Sub-Kirmaki series of Kila field. N. V. Guleva, B. M. Liatengartsin, Ch. A. Sultanov. Azerb. neft. khoz. 15 no. 12 8-10 D '66.

#### RAMS

Physiological indices of herd rams. I. A. Chistakov. Veterinarika 11 no. 11 81-82 N '66.

#### RANDOM PROCESSES see Stochastic processes

#### RARE AND MINOR METALS see Metals, Rare and minor

#### RARE EARTH ALUMINATE CRYSTALS—GROWTH

Growing single crystals of aluminates of perovskite-type rare earth elements. Z. N. Zomn, V. A. Ioffe. Rost. krist. 6 122-126 '65

#### RARE EARTH COMPOUNDS

Akademika nauk URSS, Institut zahal'noi i neorganichnoi khimii. [Chemistry of rare earth complex compounds] Khimii kompleksnykh soedinenii redkozemel'nykh elementov. [By] K. B. Iatsimskii i dr. Kiev, Naukova dumka, 1966. 493 p.

New phase in rare earth tellurides of cerium subgroup. V. A. Eliseev and others. Izv. AN SSSR. Neorg. mat. 2 no. 12 2241-2245 D '66.

#### RARE EARTH METAL CRYSTALS—GROWTH

Production and properties of single crystals of rare-earth metals. T. M. Savitskii and others. Rost. krist. 6 301-307 '65

#### RARE EARTH METALS

Behavior of individual rare-earth elements in sulfuric acid decomposition of phosphorites. E. V. Gerasimov, K. A. Smirnova. Min. syr'ye no. 13 83-87 '66.

#### RARE EARTH METALS—ANALYSIS

Determination of small amounts of terbium, dysprosium, and gadolinium in yttrium oxide by luminescent method. A. V. Kazarkin, L. I. Anikina, L. A. Filatkina. Zhur. anal. khim. 21 no. 10 1106-1200 '66.

#### RARE EARTH SILICIDES

Crystal structures of silicon-rich silicides of rare-earth elements of the yttrium group. E. I. Hindysheva'skiy. Dop. AN URSS no. 7 880-888 '63.

#### RARE EARTHS

Phase diagrams of systems  $\text{Nd}_2(\text{WO}_4)_3 - \text{SrWO}_4$  and  $\text{Nd}(\text{WO}_4)_2 - \text{SrWO}_4$ . L. A. Rozin, V. N. Karpov, A. A. Eliseev. Izv. AN SSSR. Neorg. mat. 2 no. 11 2007-2009 N '66

#### RARE EARTHS—ANALYSIS

Riabukhov, D. I., and V. A. Riabukhin. [Analytical chemistry of rare earth elements and yttrium] Analiticheskaya khimiya redkozemel'nykh elementov i itriia. Moskva, Nauka, 1966. 379 p. (Seria "Analiticheskaya khimiya elementov")

#### RARE EARTHS—BIBLIOGRAPHY see Bibliography—Rare earths

#### RARE EARTHS—SPECTRA

Spectroscopic study of sensitized luminescence of rare earth ions of trichloroacrylate crystals. IU. I. Kasanlov, IU. A. Polakov, IU. P. Rudatskii. Izv. AN SSSR. Neorg. mat. 2 no. 12 2186-2198 D '66

#### RARE GASES see Gases, Rare

#### RATE OF CHEMICAL REACTION see Chemical reaction, Rate of

#### RATS see subdivision under Leningrad

#### RATS—BIOLOGICAL CONTROL

Production and use of bacinocarin for deratization. B. P. Ponomarev. Veterinarika 47 no. 11 90-91 N '66.

Studying the antigenic structure of bacteria used in deratization. N. A. Popov. Veterinarika 47 no. 11, 87-90 N '66.

#### RAUD, PAUL, 1865-1930

Hinnov, Virve. Paul Raud, 1865-1930. Tallinn, Kunst, 1966. 125 p. illus. [In Estonian]

#### RAW MATERIALS

Obtaining 1-acetyl-1, 2, 3, 4-tetrahydroquinoline from technical raw material. D. F. Kravtchuk and others. Vest. Mosk. un. Ser. 2: Khim. 17 no. 5 71-71 S-O '62

#### RAYON

New methods for the production of high-strength viscose fibers. G. Klare. Zhur. VNIIO 11 no. 6 625-636 '66

Recent developments in the chemistry of viscose. I. Trubchev. Zhur. VNIIO 11 no. 6 619-625 '66

Some problems in designing triacetate fabrics. V. Kaplunov. Tekst. prom. 20 no. 12 16-17 D '66

Tsentral'nyi institut nauchno-tekhnicheskoi informatsii legkoj promyshlennosti. [Efficient methods for the processing of triacetate staple fibers by the fine-combing system of spinning] Ratsional'nye rezhimy pererabotki triacetatnogo shlapot'nogo volokna po lonkogrebnoi sisteme pindlenia. Moskva, 1965. 58 p. [MICROFILM]

#### REALISM IN LITERATURE

Akademika nauk SSSR, Institut mirovoi literatury. [Critical realism of the 20th century and modernism] Kriticheskiy realizm XX veka i modernizm. Moskva, Nauka, 1967. 204 p.

#### REARRANGEMENTS (CHEMISTRY)

Mechanism of conversion of cycloalkylaromatic compounds in presence of  $\text{H}_2\text{SO}_4$  studied by means of labeled atoms. V. G. Lipovich, V. M. Kabanova. Zhur. org. khim. 2 no. 11 2038-2037 N '66.

Reversible valence isomerization. T. V. Domareva-Mandel'shtam, I. A. D'yakov. Usp. khim. 35 no. 7 1321-1343 J1 '66

#### RECEPTORS (NEUROLOGY)

Adrenergic system of the effectors. A. I. Cherkes, T. P. Trubchev. Trudy LPMI no. 32 170-177 '65

Aspects of the localization of conductive pathways of the visceral afferent system in the region of the inter and capsule. O. G. Bakhtovadzhian. Blud. eksp. biol. i med. 55 no. 6 18-13 Je '63

Causes of automatic excitation of the respiratory center in frogs. Z. S. Dantsova, V. L. Bliznikov, N. A. Bondarenko. Blud. eksp. biol. i med. 55 no. 6 34-30 Je '63.

Contradictory problems of the structure of interreceptive reflexes. N. IU. Bolenkov. Zhur. vys. nerv. delat. 12 no. 3 418-425 My-Je '62.

Irritation of the mechanoreceptors of the intestinal wall as a cause of dynamic intestinal obstruction. IU. M. Gelpstein. Blud. eksp. biol. i med. 55 no. 6 45-48 My '63.

Reciprocal relationship of skin mechanoreceptors. T. M. Dmitrieva, A. I. Esakov. Dokl. AN SSSR 171 no. 2 450-493 N '66

Some data on bioelectrical studies of interreceptive reflex reactions in dogs. N. I. Ouska. Izv. AN Mold. SSR no. 5 30-36 '65.

Some morphophysiological characteristics of individual mechanoreceptors (Pacinian bodies). O. B. Minskii, N. K. Volkova. Dokl. AN SSSR 171 no. 2 491-197 N '66.

Study of the mechanism of chemoreceptors. Report No. 5. Effect of tetraethylammonium on receptivity of small intestine receptors to different chemical stimuli. N. A. Antkova. Blud. eksp. biol. i med. 55 no. 6 29-34 Je '63

#### RICHITSIA (MOGILEV PROVINCE)—DRAINAGE—HYGIENIC ASPECTS

The construction committee of trade union takes care of that. A. Borisov. Sov. prom. 22 no. 2 15-26 J1 '66

#### RECIDIVISTS

New forms of the prevention of recidivism. N. Kondashkov. Bol. zakon. 13 no. 1 16-17 D '66.

#### RECLAIMED RUBBER see Rubber, Reclaimed

#### RECLAMATION OF LAND

(see also subdivision under Kolhida Lowland, Leningrad, Tatar A. S. R., Ukraine)

Melioration of land and field crop breeding in northern Kazakhstan. V. P. Kuz'min. Sibirsk. biol. 1 no. 6 790-796 '64.

[Participation of trade unions in land improvement] Uchashtie profsoyuzov v melioratsii zemel'. [Moskva] Profizdat, 1966. 40 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 10 (66))

Problems and methods of studying bog and swampy soils in connection with the development of meliorative work in the non-Chernozem zone. I. S. Lupinovich, I. N. Skrynnikova. Pochvovedenie no. 12 10-11 D '66

#### RECREATION

Trade-union cultural organs on the eve of the 30th anniversary of the Great October. Nefiansk. 11 no. 11 18-19 N '66

#### RECREATION AREAS—DESIGN AND CONSTRUCTION

(see subdivision under White Russia)

#### RECREATION CENTERS

"Saturday of the young," an official newspaper. G. I. Kiselev. Mol. komm. no. 3 73-74 Mi '64

#### RECRYSTALLIZATION

Development of recrystallization kinetics in silicon on following small and medium deformations. R. A. Adamovskii and others. Izv. vuz. khim. i tekhn. 1 no. 9 no. 12 102-105 '66.

#### RECTUM—BLOOD SUPPLY

Anatomy of the lymphatic and blood vessels and capillaries of the wall of the human rectum. S. Abdykayimov. Arkh. anat.-gistol. emb. 11 no. 3 10-61 Mi '63.

#### RECTUM—CANCER

Comparative data on surgical and radiosurgical methods in treating cancer of the rectum. I. P. Loboda. Klin. onk. no. 1 10-17 '65

Iskhakov, L. N. [Cancer of the rectum] Rak piamoi kishki. Alma-Ata, "Kazakhstan," 1966. 16 p. (DNIAM)

Prevention of suppurative complications in surgical treatment of cancer of the rectum. E. S. Smirnova, V. A. Kochetkova, IU. L. Rozanov. Khirurgia 12 no. 13 73-74 N '66.

#### RECTUM—SURGERY

Comparative data on surgical and radiosurgical methods in treating cancer of the rectum. I. P. Loboda. Klin. onk. no. 1 10-17 '65

#### RECTUM—TUMORS

Neurinoma of the rectum. M. G. Khanin. Khirurgia 12 no. 11 132-133 N '66

#### RED CLOVER—FERTILIZERS AND MANURES see subdivision under Polyege

#### RED SEA—COPEPODA

Copepoda in Suez Canal, Red Sea, and Gulf of Aden and their occurrence by regions. P. P. Delato. Sbornik X razd. prog. MGG no. 15 117-139 '66.

#### RED SEA—OCEANOGRAPHY

Hydrologic conditions in Red Sea and Gulf of Aden according to observations from research ship "Akademik A. Kovalyevskii." A. K. Bogdanova. Sbornik X razd. prog. MGG no. 15 46-66 '66.

#### RED SEA—ZOOPLANKTON

Distribution of biomass in zooplankton in Red Sea and Gulf of Aden in winter of 1961-1962. E. P. Delato. Sbornik X razd. prog. MGG no. 15 131-136 '66

#### REDGRAVE, Sir MICHAEL, 1807-

An encounter with Redgrave. M. Sokolovskii. V. mil. knig. 6 no. 10 37 O '68

#### REDUCTASES

Participation of reductases in reducing disulfide compounds in wheat flour. N. I. Proskurnikov, E. S. Zueva. Biokhimiia 28 no. 2 316-320 Mr-Apr '63

## REDUCTION, CHEMICAL

Cathodic reduction of polymorphous uranium trioxide. E. V. Trachenko, V. G. Vlasov. Izv. AN SSSR Khim. mat. 3 no 12 2181-2185 D '66

Mechanism of catalytic reduction on nitrobenzene on Rhodium, platinum, iridium, and palladium blacks. V. P. Shumakov. Trudy Inst. Khim. Dnep. AN Kazakh SSR 14 78 105 '66

Reduction of uranyl vanadates with hydrogen. V. N. Shilina, L. M. Korota. Vest. Mosk. univ. 2 Khim. 17 no 5 63-65 S O '62

## REDUCTION, ELECTROLYTIC

Cathodic reduction of mercuric oxide electrode. L. A. Menikherstov, V. S. Bazarov. Fiz. i Khim. 2 no 11 1312-1317 N '66

Electroreduction of adipic acid dimethyl ester on platinum. I. V. Chavankin, V. G. Khomikov. Trudy MKhTI no 41 84-88 '63

Hydrogenation of adipic acid dimethyl ester on platinum. I. V. Chavankin, V. G. Khomikov. Trudy MKhTI no 41 82-85 '63

Kinetics of cathodic processes in solutions of streptomycin on metals with high hydrogen overvoltage. V. V. Skornjakov, N. E. Khomutov. Trudy MKhTI no 41 77-81 '63

Kinetics of electrochemical oxidation of  $\alpha$ -naphthol, anthraquinone, and electrochemical reduction of  $\alpha$ -naphthylhydrazine at high temperatures in anhydrous acetic acid. S. V. Gurbachev, A. M. Abolmov. Zh. fiz. khim. 40 no 11 2757-2763 D '66

Mechanism of incomplete reduction of chromic acid. Z. A. Solov'eva. Elektrokhim. 2 no 11 1301-1306 N '66

REED (BOTANY) see subdivision under Danube Delta; Dnieper Delta

## REED (BOTANY)—HARVESTING

Technological systems and the justification of the selection of the working part for reed harvesting. L. P. Kozmanovskiy. Zap. LSKhI 96-294-298 '63

## REED (TECHNOLOGY)

Calculating the cooking time of the reed mass in the "Pandora" type continuous digester. B. A. Gerasimov. Sbor. trudy UkrNIIB no. 7 131-139 '66

Choice of methods for studying changes in the properties of straw and reed cellulose in the process of grinding. M. M. Grinberg. Sbor. trudy UkrNIIB no. 7 84-92 '66

Dependence of the volumetric weight of reed on its composition and the compression forces. F. F. Dubentsov, N. I. Malakhova, A. F. Gushankov. Sbor. trudy UkrNIIB no. 7 46-54 '66

New plant for reed processing. S. A. Perlov. Bunt. prom. 37 no 4 15-16 Ap '62

Use of reed-reinforced concrete in building houses. S. Sapozhnikova, I. Kozhevnikov. Stroi. stroi. 16 no 11 22, N '61

## REED (TECHNOLOGY)—ANALYSIS

Chemical composition of various fractions of ground straw and reed. K. A. Dolgov, D. A. Pisanenko. Sbor. trudy UkrNIIB no. 7 55-59 '66

REEFS see subdivision under Dniester Valley, Orenburg Province, Prut Valley

## REEFS—CONGRESSES

Third Paleogeographical-Lithological Session. Paleont. zhur. no 4 117-120 '66

## REFLECTION (DIALECTICAL MATERIALISM)

The concept of reflection and its role in psychology. A. N. Leont'ev. Vop. filos. 20 no 12 48-56 '66

## REFLEXES

Controversial problems of the structure of interoceptive reflexes. N. U. Belenkov. Zhur. vye. nerv. delat. 12 no 3 418-425 My-Je '62

Correlation between the strength of the nervous system and the dimension of unconditioned food secretory reflexes. L. P. Rudenko. Zhur. vye. nerv. delat. 13 no 4 695-698 Ji-Ag '63

Effect of sensitization on proprioceptive reflexes of the skeletal muscle. G. A. Eizina. Pat. fiziol. i eksp. terap. no 3 35-40 '64

Posttetanic intensification of the spinal reflexes following deafferentation. N. V. Vober. Fiziol. zhur. 48 no 10 1187-1194 O '62

Reflex nature of the second physiological anticoagulation system. T. M. Kalishchevskaya, B. A. Kudrashov. Fiziol. zhur. 48 no 10 1234-1239 O '62

The aporetic mechanism of the effect of reserpine in the catalytic stupor form of schizophrenia. L. I. Dmitriev. Zhur. vye. i psikh. 63 no 1 103-107 '63

Visceral cutaneous-umbilical (sympathetic) reflex in the diagnosis of acute appendicitis. A. B. Aliev. Azerb. med. zhur. no 8 39-47 Ag '62

## REFORESTATION

(see also subdivision under Zhitomir Province)

Mechanization in reforestation. Inform. bliz. VDKhI no 8 4 S '62

Pobedinskii, A. V. [Studying reforestation processes]. Izucheniye lesovostanovitel'nykh protsessov. Izd. 2, dop. 1. perer. Moskva, Nauka, 1968. 81 p. (DNAL)

## REFRACTION, DOUBLE

Birefringence of  $\pi$ -quanta in polarized nuclear target. V. G. Bryzhevskiy. Izd. fiz. 4 no 5 1015-1046 N '66

REFRACTORY CONCRETE see Heat resistant concrete

## REFRACTORY MATERIALS

Damping properties of some refractory materials at high temperatures in vacuum. H. S. Pyanenko, L. A. Borchenova. Dop. AN URSS no 11 1417-1422 '66

Magnesite-chromite and periclase refractories for the tuyere zone of copper smelting converters. P. N. Babun, A. G. Shcheglov. Vest. AN Kazakh. SSR 22 no 12 12-18 D '66

REFRACTORY MATERIALS—HANDBOOKS, MANUALS, ETC.

Nippon Taisakushu Gijutsu Kyokai. [Refractories, handbook. Translated from Japanese.] Ogneupoy, spravochnik. Moskva, Metallurgiya, 1967. 190 p.

## REFRACTORY MATERIALS—TESTING

Effect of thermophysical characteristics on the structure of cast refractories. N. Pavlushkin, R. Oganlan. Prom. Arm. 9 no 10 41-44 '66

## REFREGIER, ANTON, 1905-

Create for the people! A. Refregier. Iskustvo. 29 no 11 18-19 '66

## REFRIGERATION AND REFRIGERATING MACHINERY

Badyl'ke, I. S., and R. L. Danilov. [Absorptive refrigerating machines]. Absorbiruyemye kholodil'nyye mashiny. Moskva, Pishchevala promyshl., 1966. 355 p.

Develop the technical foundations for the processing of farm produce. Khol. tekhn. 39 no 3 1-1 My-Je '62

Disassembling and assembling ammonia refrigerators. V. A. Knyazkov. Mont. i spets. rab. v stroit. 28 no 12 9-10 D '66

Improving the automatic control system in commercial ammonia refrigerating plants with a capacity of 10,000 kilocalories per hour. E. I. Andachukov, L. G. Kaplan, B. T. Lerner. Khol. tekhn. 39 no 3 41-44 My-Je '62

Installation of ammonia refrigerating plants with type AK AV-15 (AK 2AV-20/10) unit. E. I. Andachukov, L. G. Kaplan, D. I. Perelman. Khol. tekhn. 39 no 3 16-50 My-Je '62

Prospects of the use of Freons in absorption refrigerating plants. I. S. Badyl'kes. Khol. tekhn. 39 no 3 13-16 My-Je '62

Thermodynamic analysis of heat exchange in refrigerating plants. V. M. Brodianskiy, I. P. Iskhin. Khol. tekhn. 39 no 3 17-21 My-Je '62

Type 2TR-25 freezer for the production of soft ice cream. N. D. Zubova and others. Khol. tekhn. 39 no 3 32-35 My-Je '62

REFRIGERATION AND REFRIGERATING MACHINERY—CORROSION

Methods of corrosion control in brine cooling systems. V. S. Priyakov, K. A. Bondarenkov. Khol. tekhn. 39 no 3 45 My-Je '62

REFRIGERATION AND REFRIGERATING MACHINERY—NOISE

Noise and vibration in small refrigerating units. V. A. Tikhomirov, V. B. Jakobson, V. G. Shpringman. Khol. tekhn. 39 no 3 22-28 My-Je '62

REFRIGERATION AND REFRIGERATING MACHINERY—TESTING

Electric measurements in the testing of refrigerator compressors. E. M. Agarev, L. E. Medova. Khol. tekhn. 39 no 3 10-13 My-Je '62

Testing of the bromide-lithium absorption refrigerating plant. N. M. Zinger, K. S. Andreeva. Khol. tekhn. 39 no 3 7-9 My-Je '62

REFRIGERATION AND REFRIGERATING MACHINERY—VIBRATION

Noise and vibration in small refrigerating units. V. A. Tikhomirov, V. B. Jakobson, V. G. Shpringman. Khol. tekhn. 39 no 3 22-28 My-Je '62

REFRIGERATION ANESTHESIA

Prevention of hyperadrenalemia and vascular spasm during hypothermic perfusion in surgery on the heart. G. M. Solov'ev and others. Trudy I-go MMI 43 95-102 '65

## REFRIGERATOR CARS

Organizing shipment of perishable cargoes. S. G. Ratlin. Zhel. dor. transp. 48 no 7 19-22 Ji '66

REFRIGERATOR CARS—MAINTENANCE AND REPAIR

Technical servicing of refrigerator trains on unloading stations. S. P. Mitkovets. Zhel. dor. transp. 48 no 7 53-55 Ji '66

## REFRIGERATOR SHIPS

Use of linear programming methods in arranging the movement of refrigerator ships of the fishing industry. N. I. Savin. Ryb. khoz. 12 no 11 80-82 '66

## REFRIGERATORS—LUBRICATION

Selecting the lubricant for the parts of domestic refrigerators. T. I. Kiseleva, L. N. Kuznetsov, O. S. Obidatova. Khol. tekhn. 39 no 3 40-41 My-Je '62

## REFUSE AND REFUSE DISPOSAL

Methods of decontaminating city refuse. A. A. Kripichnikov. Med. prom. i prom. biol. 32 no 1 17-18 Ji-Ap '63

## REGENERATION (BIOLOGY)

Characteristics of the reparative processes in close and loose adjoining of the ends of torn fragments. G. I. Lavitskiy. Trudy Inst. im. N. V. Sklif. 1 102-103 '63

Destructive phase of physiological neuron regeneration. Interferon and electrophysiological study. V. I. Brodskiy, A. M. Arut'eva, L. P. Kuznetsova. Zh. fiziol. 8 no 5 662-664 S-O '66

Effect of butyramine on the regeneration of brain tissue. B. I. Movshev. Pat. fiziol. i eksp. terap. no 3 77-80 '61

Effect of some antineoplastic agents on the process of reparative regeneration in rabbits. N. N. Samoilov. Vop. onk. 9 no 1 49-52 '63

Effect of the position of fragments on the course of the restorative processes following closed diaphyseal fractures of long bones. G. P. Rykova. Traumatologiya. no 1 225-27 '65

Liver regeneration in monkeys. Z. A. Rabinovich, I. H. Ustina. Biol. eksp. biol. med. 45 no 6 97-100 Je '61

[Stimulation of regenerative processes]. Stimulirovaniye regenerativnykh protsessov. [By] Z. N. Zaprudskiy, I. H. Moskva, Meditsina, 1968. 93 p. [Biblioteka prakticheskogo vracha] (DNLM)

Use of deoxyribonucleic acid, amino acids, vitamins of the "B" group, and ATP for the stimulation of restorative processes in animals with myocardial lesions. M. S. Cherkashin. Trudy Inst. im. N. V. Sklif. 7 254-260 '63

REGENERATION (BIOLOGY)—CONGRESSES

Conference on regeneration of organs and tissues in animals. I. V. Potebnya. Usp. sov. biol. 6 no 4 150-155 N-D '64

## REGENERATION (BOTANY)

Effect of soil conditions on the capacity of the root system of fruit plants for regeneration. I. I. Komarov. Pochv. i eff. udel. no 1 75-83 '63

## REGGIE TRAJECTORIES

Theory of nonlocal separable potential. O. V. Rakhlevskiy. Ukr. fiz. zhur. 11 no 11 1208-1214 N '66

## REGIONAL PLANNING

(see also subdivision under Novotroitskiy District, Ukraine)

Use of mathematical methods in regional distribution of buildings in a school complex. B. K. Saklavov. Stroi. i arkh. Uzb. 7 no 11 31-37 N '66

## REHABILITATION

Rehabilitation centers for the disabled persons. V. P. Buzhin. Sots. obrat. 11 no 12 1-8 D '66

## REINDEER

Technique for obtaining embryonal fluid from reindeer. V. S. Fedotov. Veterinaria 13 no 12 64-65 D '66

## REINDEER—DISEASES AND PESTS

(see also subdivision under Yakutia)

Experimental toxoplasmosis in reindeer. V. V. Kolyadov, G. N. Kononov, E. S. Kazimovskiy. Veterinaria 13 no 11 42-45 N '66

Fibrocystosis of the nervous system in reindeer. M. I. Klimontov. Veterinaria 13 no 12 12-14 D '66

Testing the larvicidal effect of trichloromethaphos-3 in the hypodermis infestation of reindeer. A. A. Nepoklonskiy, P. I. Bishulin. Veterinaria 13 no 1 57-68 Ji '67

## REINFORCED CONCRETE

Coordinating conference on the use of built-up reinforced concrete in hydraulic structures. N. V. Razin. P. G. Staritskiy. Gid. stroi. 33 no 7 59-60 Ji '63

Manufacture of reinforced concrete bridge elements at an open-air site. B. V. Knochkov, V. P. Kortakov, L. V. Tshurupa. Prom. stroi. 11 no 11 23-27 N '61

Reinforced concrete roofs for steam chambers. Trudy stroi. 11 no 12 53 D '61

## REINFORCED CONCRETE CONSTRUCTION

Blocks of houses from mesh-reinforced lime concrete. V. Urazovskiy. Na stroi. Ros. 4 no 10 24-25 O '63

Buildings with yielding structure for conditions of construction on sagging soils. D. Shapirko and others. Zhil. stroi. no 10 13-18 '66

**REINFORCED CONCRETE CONSTRUCTION** (Continued)

Calculating bearing capacity in two mutually perpendicular directions of reinforced concrete structural elements in uniaxially reinforced V N Barkov *Dokl. Akad. Nauk SSSR* 12 no. 12 35-36 D '66

Consolidated casting and assembly of reinforced concrete panels for outside surfacing of buildings at construction of Moscow television station V N Klen *Stroitel'stvo* 12 no. 12 27-28 '66

Elements made of mesh-reinforced concrete, *Stroitel'stvo* 16 no. 11 30 N '61

Installation of armored panel structures, G.I. Alasjuk, *Stroitel'stvo*, no. 8 26-30 '66

**Makharadze, M.N.** [Sectional reinforced-concrete supports for horizontal workings] *Shornika zhelezobetonnykh krep' dlia gorizontalnykh vyibotok*, Moskva, Nedra, 1966 93 p. (chisla i inshi)

Manufacture of armored panel structures, A. A. Adamenko, *Stroitel'stvo*, no. 8 21-26 '66

Perfecting assembly of precast foundations under columns of main building of thermal electric power station, V.I. Plokhikh, *Izv. vuzov, inzh. nauch. i stroit. i arkhit.* 9 no. 8 84-90 '66.

**REINFORCED CONCRETE CONSTRUCTION—FORMWORK**

**Dovzhik, O.I.**, and V.B. Ratnov, [Efficient lubricants for forms in the production of precast reinforced concrete] *Effektivnye smazki dlia form v proizvodstve stolovogo zhelezobetona*, Moskva, Stroitel'stvo, 1966, 137 p.

**REINFORCED CONCRETE CONSTRUCTION—STUDY AND TEACHING**

**Chaputina, L.A.** [Methodological instructions for carrying out the second course project on reinforced-concrete structural elements] *Metodicheskie ukazaniia k vypolneniiu vtorogo kursovogo proekta po zhelezobetonnykh konstruktsiiam*, 2, pereizd. Izd. Riga, Zvaigzne, 1966 35 p.

**REINFORCED CONCRETE CONSTRUCTION—TESTING**

Methods of testing reinforced concrete rod bolting, V.M. Roginskii *Gor. zhur.*, no. 11 40-41 N '60.

**REINFORCED CONCRETE PRODUCTS**

Calculating reinforced concrete slabs considering thrust and shifting of supports, I.A. S. Fala *Aviatsiia* 20 no. 11 21-25 N '66

**REINFORCEMENT IN CONCRETE** see Concrete reinforcement

**REITER'S DISEASE**

Itellio's syndrome, a case report, A. A. Antonov, E. L. Fridman *Vest. dermat. i ven.* 37 no. 3 71-73 M '63

**RELATIVITY (PHYSICS)**

Philosophical problems in the theory of relativity and relativistic cosmology, F. M. Kanak, I. B. Molchanov, *Vop. filoz.*, 20 no. 12 139-141 '66

Preventing collapse from standpoint of external observer M. I. Gerasimovich, I. U. M. Alvaev *Zhur. eksp. i teor. fiz.* 51 no. 5 1405-1412 N '66

Use of methods of the general theory of relativity in studying the trajectories of long-period comets, T. V. Aver'yanova, K. P. Stanukovich *Astron. zhur.* 13 no. 6 1301-1305 N-D '66.

**RELIGION—BIBLIOGRAPHY** see Bibliography—Religion

**RELIGION—CONTROVERSIAL LITERATURE**

**Kogan, Iu. Ia.**, and B.S. Nabbot, comps. [50 words on faith and unbelief, thoughts and aphorisms] 50 slov o vere i neverii; mysl' i aforizmy Moskva, Znanie, 1966, 382 p.

**RELIGION AND COMMUNISM** see Communism and religion

**RELIGION AND SCIENCE**

New trends in the attitudes of Evangelical theology and Catholic theology to present-day natural sciences, Olof Klobar, *Vop. nauch. ateiz.*, no. 1 382-390 '66.

**RELIGIOUS PSYCHOLOGY** see Psychology, Religious

**REMOTE CONTROL**

(see also subdivision under Fergana Valley; Khabarovsk Territory)

Automation block for group units in gas condensate fields, B. A. Kryzhanovskii, I. U. P. Dorofeev, *Mash. i elekt. inzh.*, no. 9 26-31 '66.

Change in control scheme of gas cocks in centrifugal supercharger manifold, V. To, A. M. Smolnik, *Gaz. prom.*, 11 no. 11 24-25 '66.

**Il'in, V.A.** [Remote control in the national economy] *Tekhnika i nauka v narodnom khoziaistve*, Moskva, Znaniia, 1967, 84 p. (Novoe v zhizni, nauka, tekhnika, XIV Seriya: Radioelektronika i svyaz', no. 1)

**Institute of Automation and Telemechanics (Tekhnicheskoi kibernetiki)**, [Problems of engineering cybernetics] *Voprosy tekhnicheskoi kibernetiki*, Moskva, Nauka, 1966, 133 p.

Interference rejection of remote control instructions transmission in system with inquiry, B. I. A. Sovetov, *Avtom. i telem.*, no. 12 126-130 '66.

**Krechetovitch, N.N.** [Remote control] *Tekhnika i nauka*, Minsk, Vysshiaia shkola, 1965, 118 p.

Mechanization of mold filling with remote control, I. A. M. Rylov, *Lit. proizv.*, no. 12 11-15 D '66.

Overall automation of elevator, K. Naidenko, *Reh. inzh.* 21 no. 7 22-21 JI '62

Photometric threshold level indicator, L. G. Ushakov, A. G. Raev, *Mash. i elekt. inzh.*, no. 9 33-36 '66.

Remote automatic control of the drive of the ship's generator, V. N. Antonov, M. D. Irak, *Sudostroenie* 56 no. 11 27-31 '66

Remote control of mine electric locomotives, N. I. Shulin, G. P. Oat, E. S. Gurov, *Gor. zhur.*, no. 11 55-58 N '66

Remote control of service station fuel filling columns, P. B. Ivanitskii, *Transp. i khim. nefte. i nefteprod.* no. 10 21-31 '66.

**Smuts, A.L.** [Overall automation of the power plants of river steamboats] *Kompleksnaya avtomatizatsiia silovykh ustanovok rechnykh parokhodov*, Moskva, Transport, 1966, 144 p.

**RENAL ARTERY—ABNORMALITIES AND DEFORMITIES**

Anomalies of renal vessels and kidney transplantation; anatomical study, B. P. Komissarov, *Trudy I-go MMI* 49 119-121 '66

**RENAL ARTERY—SURGERY**

Experimental atherosclerosis of the renal artery, A. V. Nikolaev, A. Z. Troshin, *Trudy I-go MMI* 49 129-135 '66

Indications to surgical treatment of renovascular hypertension, V. S. Krylov, L. B. Edel'man, *Khirurgiia* 42 no. 11 17-22 N '66.

Plastic surgery on the renal artery using a venous autotransplant, A. V. Nikolaev, *Trudy I-go MMI* 49 136-142 '66

**RENAL HYPERTENSION**

Indications to surgical treatment of renovascular hypertension, V. S. Krylov, L. B. Edel'man, *Khirurgiia* 42 no. 11 17-22 N '66

**RENIERITE—METALLOGRAPHY**

X-ray study of renierite, N. Kh. Khurshudjan, G. V. Gevorkian, *Dokl. AN Arm. SSR*, 35 no. 2 71-74 '62

**RENIN**

Renin and the function of kidneys, I. U. A. Seteb'ovskala, *Pat. fiziol. i eksp. i teorp.*, no. 3 87-82 '61.

**RENT** see subdivision under Moldavia

**RENT (ECONOMIC THEORY)**

Differential rent on the collective farms of the Moldavian A.S.S.R., G. K. Lukin, *Uch. zap. Mord. gos. un.*, no. 48, 50-53 '66.

Methods of accounting for natural conditions in the mining industry, I. P. Poginskii, *Trudy Ek. i. tekhn. i. inzh. gos. un.*, no. 1 62-67 '61.

**REPAIRING—PRODUCTION STANDARDS**

[Establishing technical norms in repair shops] *Tekhnicheskoe normirovanie v remonnykh masterskikh*, Izd. 2, ispr. i dop. [By] I. I. Pustovalov i dr., Moskva, Kolos, 1965 391 p.

**REPORTERS AND REPORTING**

**Kozhevnikov, G.A.** [The party as the organizer of workers' and rural correspondents movement in the U.S.S.R., 1917-1937] *Partiia - organizator rabot' kolkhozskogo dvizheniia v SSSR, 1917-1937*, [Saratov] Izd-vo Saratovskogo univ., 1965, 210 p. (Sst-H)

**REPORTS, INDUSTRIAL** see Industrial reports

**REPRODUCTIVE ORGANS** see Generative organs

**RESEARCH**

(see also subdivision under Buryat A. S. S. R.; Canada; Siberia; Soviet Far East)

Friendly cooperation of the historians of science and psychologists in studying the creative work of scientists and scholars, M. G. Grigor'ev, *Vop. filoz.*, 20 no. 12 144-146 '66.

**RESEARCH, INDUSTRIAL**

(see also subdivision under Lvov Economic Region; Moldavia)

Laboratories for special branches of industry in the institutions of higher education, V. V. Maloshuk, N. T. Pribytkovskala, *Vest. vys. shkoly* 24 no. 12 11-13 D '66.

Let us develop the cooperation of institutions of higher education with industry, I. A. Grishmanov, L. S. Gikman, *Vest. vys. shkoly* 24 no. 12 3-6 D '66.

Science, production, problems, L. Akhmatov, *Prom. Arm.* 9 no. 10 10-12 '66.

**RESEARCH, INDUSTRIAL—INFORMATION SERVICES**

see subdivision under Ukraine

**RESERPINE**

Preoperative preparation of thyrotoxicosis patients with reserpine, G. M. Gurevich, I. S. Masbaum, *Probl. endok. i gorm.* 9 no. 1 60-62 Ju-F '63

Therapeutic mechanism of the effect of reserpine in the catenatic stuporous form of schizophrenia, L. I. Dmitriev, *Zhur. nevrol. i psikh.* 63 no. 1 103-107 '63.

**RESERVOIR SEDIMENTATION**

Methods of determination of the degree of destruction of organic substances in the ground deposits of deep reservoirs, M. E. Gambaian, *Mikrobiologiya* 31 no. 5 895-898 S-O '62

**RESERVOIRS**

Accuracy of altitude measurement in the design of reservoirs, G. F. Golev, *Izv. vuzov, inzh. nauch. i aerod.* no. 3 11-20 '62.

Can we reduce the requirements for stability in the design of equalizing reservoirs, N. A. Kuvshinov, *Khim. i stroit.* 33 no. 7 31-34 JI '63

Construction of dispatcher graphs for reservoirs of hydroelectric power stations with long term regulation, E. V. Isvetkov, R. I. Kosovitskaya, *Trudy VNIIC*, no. 22 91-111 '65

**RESIDUAL STRESSES**

Heat resistance of steel and practical problems of its heating and cooling solved on this basis, G. G. Golev, *Kuz. i shch. i metal. inzh.*, no. 8 12-35-40 D '66.

Increasing the durability of parts by orienting residual stresses in burning, D. D. Papishev, *Vest. mashinostro.* 16 no. 12 19-21 D '66

Residual stresses in articles caused by machining, M. F. Sankov and others, *Vest. mashinostro.*, 16 no. 12 41-49 D '66

Transverse contraction of aluminum alloy sheet structures, A. A. Nedoseka, G. P. Kozulin, V. P. Moiseenko, *Avtom. svar.*, 19 no. 12 22-25 N [i.e. D] '66.

**RESIDUAL STRESSES—MEASUREMENT**

Device for measuring the magnitude of residual deformation in compression springs, M. P. Biriukov, *Prom. Bcl.* 9 no. 12 25 D '66

**RESINS** see Gums and resins

**RESINS, SYNTHETIC**

(see also subdivision under Armenia)

Economic efficiency of the manufacture of synthetic lacquer resins in the Ukraine, V. N. Samoylov, *Khim. prom. [Ukr.]*, no. 3 71-77 JI-S '62

Glass textiles with a base of nitrogen-containing aldehyde resins, A. I. Pashchenko and others, *Trudy MKITTI* no. 42 146-150 '61

Glue for inserting blocks in covers made of polyvinyl chloride plasticized resin, M. Gutnik, *Polig. proizv.* no. 9 29-30 S '63

Polyester binding agents for glass plastics, S. I. Omel'chenko and others, *Khim. prom. [Ukr.]*, no. 3 5-9 JI-S '62

Properties of combined polyamide and phenol-formaldehyde resins, L. N. Marchenko, N. S. Sorokina, M. P. Kotov, *Izv. vuzov, inzh. nauch. i tekhn. i. inzh. gos. un.* no. 5 10-23 '66.

Radiation copolymerization of polyglycidolacrylate resins with styrene, N. G. Valentin and others, *Plast. massy*, no. 12 5-7 '66

Radiation-induced polymerization of unsaturated polyester resins without monomers, S. I. Omel'chenko and others, *Khim. prom. [Ukr.]*, no. 6 1-3 N-D '66

Velocity of the gel formation of polyester resins, L. N. Sedov, *Plast. massy*, no. 12 16-18 '66

**RESONANCE**

Double electron-nuclear resonance of F-centers in KCl, M. F. Delgen and others, *Zhur. eksp. i teor. fiz.* 51 no. 4 1014-1022 O '66.

**Moskovskii inzhenerno-fizicheskii institut**, [Interaction between radiation and matter] *Vzaimodeistvie izlucheniia s veshchestvom, sbornik statei*, Pod red. A. I. Aleksieva, Moskva, Atomizdat, 1966, 175 p.

**Ob'edinennyi institut inzh. i tekhn. i. inzh. gos. un.**, [Neutron resonances of erbium isotopes] *Neutronnye rezonansy izotopov orbila*, [By] E. N. Karzhavina, A. B. Popov, I. S. Izvitskii, Dubna, 1967, 33 p.

Resonance parametric interaction of strong optical frequency fields, G. L. Gurevich, I. U. K. Kironopolu, *Zhur. eksp. i teor. fiz.* 51 no. 5 1499-1509 N '66

**RESONATORS**

Determination of the speed of ultrasound in a substance by the method of a composite resonator, G. A. Iunitskii, V. V. Tarasov, *Trudy MKITTI* no. 41 10-13 '63.

**RESORCINOL**

Effect of the medium on orientation in azo coupling, Pat. 2: Coupling with resorcinol, L. N. Ogoleva, B. I. Stepanov, *Trudy MKITTI* no. 42 40-52 '63

**RESORCINOL—THERAPEUTIC USE**

Results of treating trichotrichiasis with heptylresorcinol, heptylresorcinol combined with methylene blue, and heptylresorcinol with oxygen, an abstract, E. I. Agnashvili, G. I. Loladze, *Med. para i para, bol.*, 31 no. 5 614 S-O '62.



## RHODOPSEUDOMONAS

Studies on the products of assimilation of carbon C<sup>14</sup> by Rhodopseudomonas (Rhodospirillum rubrum) bacteria. N. G. Domina, A. K. Romanova, Z. A. Terent'eva. Mikrobiologiya 31 no. 2:193-198. Apr '62.

**RHODUSITE** see subdivision under Dzhezkazgan region (Kazakhstan)

**RIABCHIKOV, PETR IVANOVICH, 1891-1966**

Petr Ivanovich Riabchikov; obituary. Orenologiya 6 no. 5:923 '66.

**RIABUSHKIN, ANDREI PETROVICH, 1861-1904**

Maslina, N.V. Andrei Petrovich Riabushkin. Moskva, Izdatel'stvo, 1960. 117 p. illus.

**RIAZANTSEV, SERGEI NIKOLAEVICH, 1905-**

Sergei Nikolayevich Riazantsev, on his 60th birthday. I. V. Zhukovskii and others. Vest' Mosk. un. Ser. 5. Geog. 21 no. 6:415 N-D '66.

## RIBOFLAVIN

Fluorogenic activity of various Candida yeast species. G. M. Shavlovskii, G. P. Ksheminskaya, I. N. Ilichev. Prikl. biokhimiya 2 no. 6:640-651 N-D '66.

Photocatalytic decomposition of riboflavin in pharmaceutical preparations. A. M. Aliyev. Apt. defo. 12 no. 1:49-53. Jan '67.

Potassium role in radiosensitizing action of riboflavin. St. Gligorascu, K. Nedelcu, M. Nastase. Radiobiologiya 6 no. 6:819-821 '66.

## RIBONUCLEASE

Conditions of the formation of an artificial complex of ribonuclease with deoxyribonucleic acid. R. N. Kopylov, A. S. Vlodavskiy. Biokhimiya 28 no. 2:353-360. Mar-Apr '63.

## RIBOSE

Relationship between properties of tRNA, acetylated according to 2'-hydroxy groups of ribose, and modification degree. D. G. Khoria and others. Biokhimiya 31 no. 6:1181-1186 N-D '66.

## RIBOSOMES

Effect of deoxysalicylamine-containing antibiotics on protein synthesis in cellular systems and on the dissociation of 70S ribosomes in the bacterial cell. I. U. Sarykin, V. I. Afonin. Antibiotiki 11 no. 11:887-892 N '66.

Ribosome apparatus and its possible role in adaptive cell activity. A. N. Studitskii. Usp. sov. biol. 62 no. 3:315-332 N-D '66.

Structure and chemistry of cell nucleus as organoid of cellular ribosome synthesis. I. U. S. Chentsov. Usp. sov. biol. 62 no. 3:331-331 N-D '66.

## RICE

(see also subdivision under Kuban, Ukraine)

Role of azotobacterium in the formation of rice crop. Sh. T. Shende. Trudy Un. druzh. nrr. 11. Sot'khov. nauki no. 1:125-131 '66.

**RICE--FERTILIZERS AND MANURES** see subdivision under Vietnam, North

**RICE--IRRIGATION** see subdivision under Kazakhstan

## RICKETTSIA

Study on the effect of pyrazolidine on Rickettsia prowazekii in vitro and in the carrier's body. G. M. Dutova. Zhur. mikrobiol. i epid. i immun. 33 no. 6:117-119. Ja '62.

## RICKETTSIAL DISEASES

Chemical studies of oxidative metabolism in animals in rickettsial intoxication. L. P. Zubok. Biokhimiya 28 no. 2:265-271. Mar-Apr '63.

Tick Rhipicephalus sanguineus Latr. as a carrier of Merseilles fever. E. A. Klishchikina. Zhur. mikrobiol. i epid. i immun. 43 no. 1:146 N '66.

## RIGA--MOTORBUS LINES

Million kilometers is not a limit. Avt. transp. 11 no. 7. 10. 11 '63.

**RIGA--PUMPING MACHINERY--MAINTENANCE AND REPAIR**

Goncharenko, G.K., G.A. Fomenkov, and I.K. Davydov. [Repair of gear pumps, work practices of the "Stars" Plant in Riga]. Remont shestochnykh masinov; iz opyta raboty Rzhzhskogo zavoda "Stars." Moskva, Bluro tekhn. informatsii i reklamy, 1965. 20 p. [MICROFILM]

## RIGA--TELEVISION BROADCASTING OF NEWS

"Yesterday, today, and tomorrow." R. Malysheva. Sov. radio i tel. 8 no. 3:8 '65.

## RIGA--TRANSIT SYSTEMS

Slado, E. [Tomorrow of the public transportation of Riga]. Tugas sabiedriskā transporta attīstība. Rīga, Lielma, 1965. 80 p. [In Latvian]

**RIGHT OF PROPERTY** see subdivision under Egypt

## RIGOR MORTIS

Effect of calcium chloride and magnesium sulfate on the rate of rigor mortis. S. V. Osipova. Biol. eksp. biol. 1 no. 55 no. 5:82-84. May '63.

Participation of hexokinase reaction in the effect of corticoids and insulin on the rate of rigor mortis of the skeletal muscles. I. V. Morozova. Trudy LPMI no. 32:86-102 '65.

## RING FORMATION (CHEMISTRY)

Cyclization of acetylenic hydrocarbons and their derivatives. V. O. Reikhsfel'd, K. L. Makovetskii. Usp. khim. 35 no. 1:204-1231. 11 '66.

Macrocyclic compounds. Part 5: Directional intermolecular cyclization of  $\omega$ -acetylene derivatives. E. P. Zinkevich, I. K. Sarycheva, N. A. Pleschinskii. Zhur. org. khim. 2 no. 11:2021-2025 N '66.

## RINGS (ALGEBRA)

Operator rings in space with indefinite metric. R. S. Izmailov. Dokl. AN SSSR 171 no. 2:268-271 N '66.

Subgroups of rings without zero divisors. A. F. Zaleskii. Dokl. AN SSSR 18 no. 10:728-731 O '66.

## RINGWORM

Prophylaxis and therapy of ringworm. P. A. Kolesnikova. Veterinarika 13 no. 12:70-71 D '66.

Role of soil dermatophytes in the etiology of trichophytosis in cattle. T. P. Pchelintseva. Veterinarika 13 no. 12:29 D '66.

## RISERS (FOUNDING)

Design of risers with isothermal coatings. A. A. Brechko, I. U. D. Konstantinov. Lit. proizv. 10. 12. 34 D '66.

**rites and ceremonies** see subdivision under

Moldavia, Ukraine

## RIVERS

(see also subdivision under Kamechanka, Transcaucasia)

Small river problems. G. L. Filin. Priroda 55 no. 12: 75-78 '66.

## RIVERS--CLASSIFICATION

Classification of the mountain rivers based on the indications of underground water sources. I. G. Glukhov. Izv. vuz. ucheb. zav. geol. i inzh. 6 no. 6:131-132. Je '63.

## RIVETS AND RIVETING

High-strength bolts prevent disengagement of rivets and crack formation. G. K. Popyayev, V. O. Osipov. Puti i put. khim. 10 no. 8:28-28 '66.

**ROACH (FISH)** see subdivision under Shakhua, Lake

## ROAD CONSTRUCTION

(see also subdivision under Bryansk Province; Crimea, Erivan; Kazakhstan, Moscow)

On the eve of the great anniversary. Avt. dor. 29 no. 11: 1-2 N '66.

Road news. Avt. dor. 29 no. 11: 32 N '66.

Stability of earth roadbed in case of an unsecured runoff. V. I. Rovinskii. Avt. dor. 29 no. 11: 23-24 N '66.

They write to us. Transp. stol. 11 no. 12:56 D '61.

Work achievements of construction workers in the transportation industry in celebration of the 22nd Congress of the CPSU. Transp. stol. 11 no. 11:3-4 N '61.

## ROAD CONSTRUCTION--ACCOUNTING

Mixed crews should have separate accounting. G. Dvornov. Avt. dor. 29 no. 11:18-19 N '66.

## ROAD CONSTRUCTION--COLD WEATHER CONDITIONS

Construction of earth roadbed in winter. P. A. Chadaev, A. P. Pannin. Avt. dor. 29 no. 11:15-16 N '66.

## ROAD CONSTRUCTION--PRODUCTION STANDARDS

Saving working time. A. N. Semiovitsa. Stroitel. dor. mash. 8 no. 8:32 Ag '63.

## ROAD CONSTRUCTION--TECHNOLOGICAL INNOVATIONS

see subdivision under Ukraine

## ROAD CONSTRUCTION WORKERS

Renowned anniversary. Avt. dor. 29 no. 11:32 N '66.

## ROAD MACHINERY

Concrete vibrators. Stroitel. dor. mash. 8 no. 8:33 Ag '63.

New machines. Stroitel. dor. mash. 8 no. 8:31-32 Ag '63.

Using stray-radiation radioactive pickups in automatic control systems of construction and road machinery. I. I. A. Rusinov, I. U. K. Akhontov. Stroitel. dor. mash. 8 no. 8:18-21 Ag '63.

The "Vibrotrek" multiple compactor. Stroitel. dor. mash. 8 no. 8:37 Ag '63.

## ROAD MACHINERY--HYDRAULIC DRIVING

Standard series of hydraulic torque converters for construction and road machinery. S. P. Stepin. Stroitel. dor. mash. 8 no. 8:7-8 Je '63.

## ROAD MACHINERY--MAINTENANCE AND REPAIR

Mobile maintenance shop for road machinery. P. Shkizando, A. Spitsyn. Avt. dor. 29 no. 11:25 N '66.

Planning and conducting the maintenance of road machinery between shifts. A. A. Pokrovskii. Avt. dor. 29 no. 12:21 D '66.

## ROAD MACHINERY--PARTS

The servo-type feedback hydraulic steering gear for road machinery. L. A. Antipov, B. S. Le. Isp. pekov. 11 N. Stavitskiy. Stroitel. dor. mash. 8 no. 8:11-13 Ag '63.

**ROAD MACHINERY INDUSTRY** see subdivision under Bryansk

## ROADS

The first main highway. P. F. Burin, B. A. Korolevskii, A. Skobelev. Avt. dor. 29 no. 11:2-3 N '66.

Highways and the development of agricultural production. G. B. Podlubnyy. Avt. dor. 29 no. 11:7-8 N '66.

The second conference of road specialists of socialist countries. Avt. dor. 29 no. 12:26-27 D '66.

## ROADS--DESIGN

More about transit curves. I. M. Masenko. Avt. dor. 29 no. 12:10 D '66.

## ROADS--INTERCHANGES AND INTERSECTIONS

Calculations of intersections of transport bypasses of cloverleaf design. V. M. Vitygalov. Izv. vuz. ucheb. zav. stroitel. i inzh. 9 no. 9:101-106 '66.

## ROADS--MAINTENANCE AND REPAIR

Reconditioning of a deformed embankment on a slope. G. V. Stets'ko, A. A. Piliugin. Avt. dor. 29 no. 12:17-18 D '66.

## ROADS--SNOW PROTECTION AND REMOVAL

(see also subdivision under Russia, Northern)

[Development of new Soviet snowremovers for roads]. Sozdanie novykh otechestvennykh dorozhnykh snegochistitelei. [By] A. N. Ivanov i dr. Moskva, NIITransmash, 1965. 101 p. (Seriya 1. Stroitel'nye i dorozhnye mashiny)

## ROADS, CONCRETE

Increasing structural density of road concrete. G. M. Khutoritsyn, N. V. Mikhailov. Avt. dor. 29 no. 12:7-8 D '66.

Orlovskiy, V.S. [Designing and building reinforced and mesh-reinforced concrete surfaces for roads]. Prikladnoye i stroitel'stvo stromobetonnykh i armirovannykh dorozhnykh pokrytiy. Moskva, Vysshaya shkola, 1965. 60 p.

[MICROFILM]

## ROCK DRILLS--DESIGN AND CONSTRUCTION

Automatic regulation of axial force for the feed of telescopic rock drills. V. A. Tiegubov and others. Gori. zhur. 10:46-47 D '66.

**ROCK GLACIERS** see subdivision under Kichikalay Range

## ROCK MECHANICS

Method of data mining loosening coefficients of hard rock piles. I. U. I. Belikov, A. V. Reznik. Gori. zhur. 10:12; 16-21 D '66.

## ROCK PRESSURE

Critical pressure is a criterion of a danger zone for underground outcrops of coal and gas. I. M. Perchuk. Dop. AN URSR no. 11:470-473 '62.

Dependence of the anisotropy of temporary resistance to uniaxial compression of rocks in Donetsk Basin coal deposits on certain geological factors. I. U. I. Belikov. Gori. zhur. 10:1437-1440 '66.

Investigating the manifestation of bearing pressure in a massif above which mining operations are being conducted. G. I. Vnukhina. Izv. vuz. ucheb. zav. gor. zhur. 6 no. 5:46-48 '63.

Manifestation of rock pressure during the process of mass caveing of hanging wall rocks at "Tsentrallnaya" Mine of the 20th Party Congress Mine Administration. D. Z. Shish, G. S. Shkrebko. Gori. zhur. 10:12-13-30 D '66.

## ROCK PRODUCTS--TRANSPORTATION

Powerful port loader. M. Nikulin. Recl. transp. 25 no. 12:35 '66.

**ROCK SALT** see subdivision under Transcarpathia

## ROCKET ENGINES--FUEL

Shapiro, I.A.M., G. Yu. Mazing, N.E. Prudnikov. [Theory of solid fuel rocket engines]. Teoriya raketonogo dvigatelya na tverdom toplive. Moskva, Voenizdat, 1960. 255 p.

## ROCKETEERS

Reminiscing in the memory. I. Shchegolev. V mire knig 6 no. 11:7-7 N '66.

## ROCKETS (AERONAUTICS)--CATALOGS

[Catalog of data on rockets and satellites of the World Data Center B]. Kat. dan. po rak. i sput. Jan.-June 1966, publ. Ag '66.



## ROCKS

Changing the speed of drilling depending on the physical and mechanical properties of rocks and the power of the hammer. P. M. Koshul'ko. Izv. vuz. ucheb. zap. 8 no 5:4-95 '63

## ROCKS—ANALYSIS

Investigating the carrying capacity of rocks for purposes of engineering geology. A. G. Lykoshin. Gidr. st. 33 no 8:16-20 '63

## ROCKS—CLASSIFICATION AND NOMENCLATURE

Rock classification and efficient placement of boreholes in the massif during jet piercing. L. N. Us'ko, V. A. Ivenko, G. A. Maleev. Gorn. zhur. no 12:33-37 '66

Rzhevskii, V. V. [Classification and rating of rocks by their physical properties] Klassifikatsiya i raspovetka fizicheskikh svoystv gornykh porod po ikh fizicheskim svoystvam. Moskva, Mosk. in-t radioelektroniki i gorn. inzh. elektromekhaniki, 1966. 13 p.

## ROCKS—ELASTIC PROPERTIES

(see also subdivision under Pechenga region, Murmansk Province)

Changes in elastic parameters of rocks depending on triaxial stressed state, calculated with help of a model. Z. I. Stakhovskaya. Trudy Inst. fiz. Zem. no 37:45-56 '66

Distribution of stresses in massif of rocks. P. A. Zhuraviev, A. F. Zakharenko. Zap. LGI. 39 no 3:111-113 '61

## ROCKS—ELECTRIC PROPERTIES

(see also subdivision under Kazakhstan)

Some characteristics of electric properties of rocks altered by hydrothermal processes. Sami Soliman, Mohamed, V. V. Aydonin. Sov. geol. 9 no 11:133-141 '66

## ROCKS—FRACTURE

Bulatov, V. V. [Mechanics of rock breaking during extra-deep drilling] Mekhanika razrusheniya gornykh porod pri sverkhglubokom burenii. Novosibirsk, Nauka, 1965. 223 p.

## ROCKS—PERMEABILITY

Method for the regional estimation of the water conductivities of rocks by isoline mapping of underground water levels, taking into account the seepage and incomplete data on water conductivity. H. A. Shneiderman. Dop. AN URSSR no 7:245-251 '63

## ROCKS—TESTING

(see also subdivision under Bulgaria, Kazakhstan)

Determining cohesion magnitude between rock layers. V. M. Roginskii, Shakhmatov, 10 no 11:13-14 '66

Effect of temperature on the elasticity modulus of rocks under high pressure. Z. I. Stakhovskaya. Trudy Inst. fiz. Zem. no 37:157-160 '66

Elastic wave velocity in specimens of eruptive and metamorphic rocks under pressures of up to 1000 kg/cm<sup>2</sup>. E. I. Baikal. Trudy Inst. fiz. Zem. no 37:16-36 '66

Studying physical properties of rocks under high pressures and at high temperatures. M. P. Volarovich. Trudy Inst. fiz. Zem. no 37:5-15 '66

ROCKS, CARBONATE see subdivision under Karatau, Nepal, White Russia

## ROCKS, CARBONATE—ANALYSIS

Studying the core of fractured carbonate rocks using ultrasonics and luminescent defectoscopy. K. I. Bagin-tseva. Razv. i otkryt. nede. 29 no 3:23-28 '63

## ROCKS, CRYSTALLINE AND METAMORPHIC

Polovinskii, I. I. [Structure and texture of eruptive and metamorphic rocks] Struktura i tekstura izvernykh i metamorficheskikh gornykh porod. Moskva, Nedra, Pt. 2, Vol. 2. [Metamorphic rocks] Metamorficheskie porody. 1966. 270 p.

## ROCKS, CRYSTALLINE AND METAMORPHIC—

TESTING see subdivision under Kola Peninsula

## ROCKS, IGNEOUS

(see also subdivision under Aldan Plateau; Altai Mountains; Balka Lake region; Chukchi National Area; Cuba; Irkutsk Province; Kazakhstan, Kul'dzhuktau, Kunashir Island; Lerik District, Omolon Valley; Tien Shan; Vydrikha region, Altai Territory; Yenisey Valley) New forms of the relationship of mineralization to igneous activity and the possibility of the discovery of rare metal deposits. V. N. Kotliar. Izv. vuz. ucheb. zap., geol. razv. 8 no 6:77-84 '66

ROCKS, IGNEOUS—ANALYSIS see subdivision under Khibiny Mountains; Transbaikalia

## ROCKS, IGNEOUS—ELECTRIC PROPERTIES

(see also subdivision under Kola Peninsula)

Studying electric resistance of basic, ultrabasic, and alkali rocks and minerals under high pressures and at high temperatures. M. P. Volarovich, E. I. Parkhomenko, A. T. Bondarenko. Trudy Inst. fiz. Zem. no 37:168-179 '66

ROCKS, IGNEOUS—TESTING see subdivision under Kazakhstan

## ROCKS, SEDIMENTARY

(see also subdivision under Aral Sea, Carpathian Mountain region, Caucasus, Northern, Daghestan, Geokhays Valley; Gidra Oil Field, Kullung-Tau; Sayan Mountains; Ukraine, Volga Valley, White Russia)

Methodology of using typomorphic indications of zircon for determining feeding sources of sedimentary rocks. G. V. Nesterev, N. L. Dobretsov. Geol. i geofiz. no 7:21-33 '66

ROCKS, SEDIMENTARY—ANALYSIS see subdivision under Polesye; Uzbekistan

## ROCKS, SEDIMENTARY—CONGRESSES

First Conference of Siberian Branch of Commission on Sedimentary Rocks of Department of Earth Sciences of Academy of Sciences of U.S.S.R. R. G. Matukhin. Lit. i pol. iskop. no 6:146-148 '66

## ROCKS, SEDIMENTARY—ELECTRIC PROPERTIES

Electric properties of sedimentary rocks in conditions of hydrostatic pressure. M. P. Volarovich, K. A. Valeev. Trudy Inst. fiz. Zem. no 37:200-205 '66

## ROCKS, SEDIMENTARY—TESTING

(see also subdivision under Azerbaijan; Carpathian Mountain region)

Studying longitudinal wave velocity in sedimentary rocks with a fluid filter under high hydrostatic pressures. M. P. Volarovich and others. Trudy Inst. fiz. Zem. no 37:140-148 '66

## ROCKS, SEDIMENTARY—THERMAL PROPERTIES

Experimental study of heat conductivity of sedimentary rocks in relation to moisture and temperature. Sh. G. Akhmedova. Azerb. neft. khoz. 45 no 9:32-33 '66

## ROCKS, SILICEOUS see subdivision under Russian Platform

## RODCHENKO, A. LEKSANDR MIKHAILOVICH, 1891-1956

A. M. Rodchenko, A. Abianova. Istoriya 29 no 11:51-59 '66

## RODENTS

Comparative evaluation of some methods of recording the number of small marine rodents. A. V. Agafonov and others. Trudy Gos. nauch.-issl. prirodochum. inst. 16:239-248 '59

## RODENTS—EXTERMINATION

Rodents, pests of orchards and gardens. N. Bakal'skaya, Zashch. rast. 11 no 11:37-39 '66

Species and number of rodents on seagoing vessels in the European part of the U.S.S.R. Report No. 1: Rodents on vessels sailing the Black Sea. F. P. Peshkova and others. Trudy Gos. nauch.-issl. prirodochum. inst. 16:233-243 '59

Species and number of rodents on seagoing vessels in the European part of the U.S.S.R. Report No. 2: Rodents on vessels sailing the Baltic and the White Seas. T. A. Pashlitsa and others. Trudy Gos. nauch.-issl. prirodochum. inst. 16:243-252 '59

## RODENTS—PARASITES see Parasites—Rodents

## ROKOSHOVSKII, KONSTANTIN KONSTANTINOVICH, 1898-

Man. Bolshevik, and military leader. P. Batov, P. Troianovskii. Voen.-ist. zhur. 8 no 12:32-43 '66

## ROLLAND, ROMAIN, 1866-1944

Gil'dina, E. M. [Romain Rolland and world culture] Romain Rolland i mirovaia kul'tura. Riga, Zvaigzne, 1966. 208 p.

## ROLLERS (EARTHWORK)—DYNAMICS

Kinematics of the rolling of a ribbed roller. A. A. Gelashvili. Trudy Gruzniifskii 6 no 2:57-69 '62

## ROLLING (METALWORK)

Field of slip lines during thick strip rolling. V. F. Potapkin. Izv. vuz. ucheb. zap., Chern. met. 9 no 12:75-80 '66

Formulas for calculating forward slip and their experimental check during cold rolling of strip with pull. I. U. P. Abdullayev, D. I. Sulerov, L. G. Chubrikov, Izv. vuz. ucheb. zap., Chern. met. 9 no 12:85-90 '66

Influence of technological parameters on the deformation and yield of suitable metal in rolling mills made by continuous casting. I. U. M. Chizhikov, V. P. Moizov, Stal' 26 no 12:113-116 '66

Interaction of kinematic and force parameters in the case of deformation. V. N. Vydrin, L. M. Ageev, Izv. vuz. ucheb. zap., Chern. met. 9 no 12:96-101 '66

Peculiarities of ingot rolling conditions and their influence on degree of loading in electric motors of the main drive of 1120-type mills. B. I. U. Zelenchok, G. N. Mal'ko, K. P. Kairichenko. Stal' 26 no 12:1123-1121 '66

Studying alloys in the system Al—Zn—Li. V. I. Elagin, E. V. Ekhlina. Trudy MFTI no 66:136-148 '66

Studying deformations during rolling by the variational method. V. N. Vydrin, M. I. Brown, V. Kh. Rimen, Izv. vuz. ucheb. zap., Chern. met. 9 no 12:67-74 '66

## ROLLING (METALWORK)—DEFECTS

Metal strip during rolling in channel grooves. V. I. Pavlovskii and others. Stal' 26 no 12:1120-1121 '66

## ROLLING (METALWORK)—QUALITY CONTROL

Some ways of improving the surface quality of cold-rolled sheets. S. P. Filimonov and others. Stal' 26 no 12:1118-1112 '66

## ROLLING MILLS—DESIGN AND CONSTRUCTION

(see also subdivision under Chelyabinsk, Cherepovets, Vologda Province)

Studying scale formation during metal heating in continuous process of light section and wide-strip mills. I. I. Spivak and others. Stal' 26 no 12:1119-1111 '66

## ROLLING MILLS—ELECTRIC DRIVING

New methods for studying operational efficiency of automated blooming mill drives. O. P. Sokolovskii. Fiz. i tekhn. 12:71-78 '66

Peculiarities of ingot rolling conditions and their influence on degree of loading in electric motors of the main drive of 1120-type mills. B. I. U. Zelenchok, G. N. Mal'ko, K. P. Kairichenko. Stal' 26 no 12:1123-1121 '66

Step-by-step drive of rolling mill mechanisms. L. A. Radovskii, A. S. Filatov, V. P. Rubtsov. Elektr. mashiny no 12:55-61 '66

## ROLLING MILLS—EQUIPMENT AND SUPPLIES

Indicator of the position of ingots on roller tables. A. I. Olkhei, E. L. Bogdanovich. Stal' 26 no 12:1124-1121 '66

## ROLLING MILLS—FOUNDATIONS

Foundations under rolling mill equipment. F. M. Gibran. Pion. st. 11 no 11:22-23 '66

## ROLLING MILLS—MANAGEMENT

Organization of work in the heating department of a blooming mill. I. A. Kravchuk. Pion. i nat. nat. 2 no 6:925-941 '66

## ROLLING MILLS—VIBRATION

Natural vibrations in rolling mills produced by rollers. P. K. Ivanchenko. Izv. vuz. ucheb. zap., Chern. met. 9 no 12:170-175 '66

## ROLLS (ROLLING MILLS)

Effect of chill calibration on the rate of cooling of chilled rolls for section rolling. A. E. Kravchenko, N. P. Kolesnikov, O. N. Rudnev. Izv. vuz. ucheb. zap., Chern. met. 9 no 12:122-126 '66

Metal strip during rolling in channel grooves. V. I. Pavlovskii and others. Stal' 26 no 12:1120-1121 '66

## ROMANOVKA OIL FIELD—PETROLEUM GEOLOGY

New data on structure and oil potential of anticlinal fields of Kinebatovo type in southern part of Chirchik-Tongk. M. A. Kamaltdinov, I. N. Slavydenkov, E. A. I. Ippova. Geol. nefti i gaz 10 no 11:49-51 '66

## ROMANKOV REGION (UKRAINE)—VERTEBRATES,

FOSSIL

Taphonomic characteristics of the Romankov site of Quaternary vertebrates. V. I. Syvayev, H. O. Rychkovskii. Dop. AN URSSR no 11:1505-1508 '62

## ROMANOV, PAVEL KONSTANTINOVICH

In the Presidency of the Supreme Soviet of the U.S.S.R. Polit. i pr. 2 no 9:1 '67

## ROMANY (AZERBAIJANI)—MOSQUES

From the monuments of the village of Romanov "The mosque of the Caliph Ali" 12, Kermine, Doki, AN Azerb. SSR 9 no 2:49-51 '63

## ROMASHKINO OIL FIELD—GEOLOGICAL MODELING

Detecting sandstone beds within D horizon in Romashkino oil field. I. U. E. Batov. Geol. nefti i gaz 10 no 11:32-35 '66

## ROME—ANTIQUITIES

Anthropomorphic handles of bronze paterae in the collection of the Hermitage. Z. A. Filimonovich. Sov. arkh. 18 no 4:146-144 '66

## ROMPAINEN, TOIVO IVANOVICH

The work of an actor. I. Nikilin. Teatr 24 no 7:93-97 '63

## RONNEL

Practice in the use of trolene and dimethoate in controlling warble flies. G. I. Gotta. Sbor. nauch. rab. SibNIPI no 11:101-104 '62

## ROOFING

Polymer roofs to replace sheet roofing materials. N. N. Oster-Volkov. Stroi. i arkh. 11 no 4:16-17 '66

## ROOFING, CONCRETE

Insulated roofing panels for industrial buildings. V. I. Na. Stoi. Ros. 7 no 11:12 '66  
Suggestion for modification of construction of reinforced concrete slabs. L. B. Mitigart, N. L. Filimonova. Pion. st. 44 no 11:43 '66

- ROOFS**  
New design of the head of inside leaders of the roofs of industrial buildings. B. I. Titova. Prom. zdaniy no 2 57-62 '61
- Of a folded profile from mesh-reinforced elements. S. S. Gaiduchenko, S. I. Golubev, I. M. Khaidunov. Stroitel'nyi Leningrad no 9 25-26 S '63
- ROOFS—DESIGN AND CONSTRUCTION** see subdivision under Germany, East
- ROOFS, SHELL**  
(see also subdivision under Severodonetsk)  
Design and use of cylindrical shells. G. G. Vinogradov. Stroitel'nyi Leningrad no 9 22-24 S '63  
Three-dimensional large-span roofs. A. V. Shapiro. Stroitel'nyi Leningrad no 9 18-18 S '63
- ROOFS, SHELL—CONGRESSES**  
An atmosphere of close cooperation. Stroitel'nyi Leningrad no 10 33-31 O '66  
International Congress on Building Shells. V. Mikhailov. Stroitel'nyi Leningrad no 12 25-31 D '66
- ROOFS, SUSPENSION**  
Determining the wind load on suspension roofs of a parabolic contour. K. A. Balaeva. Stroitel'nyi Leningrad no 9 27-20 S '63
- ROOSTERS**  
Some characteristics of the physiological features of hybrid roosters. L. A. Zubareva, Z. M. Spilkovskaya. Trudy Inst. gen. no 26 152-160 '62
- ROOTS (BOTANY)**  
Change in phosphorus metabolism under low temperatures in the root zone. Z. V. Titova, S. S. Andriyenko. Sel'sk. khoz. biol. 1 no. 6:935-941 '66  
Development of the root system of tea plants as related to fertilizers. M. L. Balava. Subtrop. kul't. no 3:3-17 '66  
Effect of soil conditions on the capacity of the root system of fruit plants for regeneration. I. I. Knopets. Pochv. ust. i efek. udob. no. 1:75-87 '63  
Effect of trichloroacetic acid on the development and absorptive capacity of tomato roots. L. P. Moskalenko. Khim. v sel'sk. khoz. 1 no. 12 15-19 D '66  
Oxidative metabolism in the roots of peas and corn under various root feeding. V. P. Gavrilenko, S. M. Patalitsa. Sel'sk. khoz. biol. 1 no. 6:800-815 '66  
Photosynthetic activity and yield of peas as related to the absorbing capacity of the root. V. G. Bolkhyn, G. P. Ustenko, I. M. Peltsov. Agroklimatika no 12 51-67 D '66  
Some data on the formation of the root system of Norway spruce. T. V. Vashchikova. Trudy Un. druzh. nar. 11. Sel'sk. khoz. nauki no 1 171-181 '66
- ROSE OIL** see Attar of roses
- ROSES—GRAFTING**  
Selecting and testing prospective forms of *Rosa canina* for tree rose rootstock. I. I. Shtan'ko, N. L. Mikhailov. Bul. Olav. bot. sada no. 63, 10-21 '66
- ROSSI, KARLIVANOVICH, 1775-1849**  
Studying the work of K. Rossi. A. Naumov. Arkhiv. SSSR no 6 62 '63
- ROSTOV (YAROSLAVL PROVINCE)—ARCHITECTURE**  
Baulige, V. S. [Restoration of the Rostov Kremlin, 1953-1960] Vosstanovleniye Rostovskogo Kremlya, 1953-1960. [Yaroslavl] [Iz dostoynskoy knizhnitsy izd-vo] 1963. 23 p (MI)
- ROSTOV-ON-DON—BOOKS, FOREIGN**  
The department of foreign literature of a province library. T. S. Dudnikova. Opyt rab. bibliot. i inosti. lit. no. 4:63-71 '61
- ROSTOV-ON-DON—POLITICS AND GOVERNMENT**  
Gorskiy, A. D. [Standing committees in action] Postoyannyye komitety v deystviy. [Rostov-na-Donu] Rostovskoye knizhnoye izd-vo, 1963. 50 p.
- ROSTOV-ON-DON—REVOLUTION OF 1905**  
An armed uprising in Rostov-on-Don in December 1905. G. M. Kramarov. Vop. ist. 41 no. 12 117-124 D '66.
- ROSTOV PROVINCE—BARLEY—FROST RESISTANCE**  
Intensity of photosynthesis in winter barley in fall. S. S. Chukuridi, G. R. Matukhin, V. I. Sevast'yanov. Sel'sk. khoz. biol. 1 no. 6:819-819 '66.
- ROSTOV PROVINCE—BARLEY—VARIETIES**  
From the experience in the processing of the "Kubanets" barley. L. I. Dudkina. Spiri. prom. 28 no. 5:36 '62.
- ROSTOV PROVINCE—BRUCELLA**  
Epidemiology of brucellosis in Rostov Province. G. A. Belandin and others. Trudy Gos. nauch.-issl. protivochum. inst. 16:145-152 '59
- ROSTOV PROVINCE—BUPRESTIDAE**  
Biology of Buprestidae (Coleoptera), the pests of elm trees in Rostov Province. A. D. Maslov. Zool. zhurn. 45 no. 11:1650-1658 '66.
- ROSTOV PROVINCE—ELM—DISEASES AND PESTS**  
Biology of Buprestidae (Coleoptera), the pests of elm trees in Rostov Province. A. D. Maslov. Zool. zhurn. 45 no. 11:1650-1658 '66
- ROSTOV PROVINCE—IRRIGATION**  
Irrigation of lands using local runoff. N. P. Borisenko, N. N. Ufinskii. Gidrot. 18 no. 12 1-5 D '66
- ROSTOV PROVINCE—PEAS—FERTILIZERS AND MANURES**  
Use of fertilizers in pea-winter wheat link of crop rotation in Chernozems of the northern part of the Sea of Azov Region within Rostov Province. I. M. Shapovalova, I. I. Makarova. Khim. v sel'sk. khoz. 1 no. 12 6-8 D '66
- ROSTOV PROVINCE—RADIO JOURNALISM**  
The most sensitive compass. A. Vasil'chenko. Sov. radio i tel. 12 no. 6 23 Ju '63
- ROSTOV PROVINCE—SOLONCHETZ SOILS**  
International seminar on the melioration of Solonchets soils. M. M. Sugubov. Khim. v sel'sk. khoz. 1 no. 12:72 D '66
- ROSTOV PROVINCE—SUGAR BEETS—DISEASES AND PESTS**  
Agricultural practices and plant lice on beet roots. V. Minotanski. Zashch. rast. 11 no. 11:27-28 '66
- ROSTOV PROVINCE—SWINE**  
System of the organization of group raising of swine for production. S. Kochetkov. Ekonom. sel'sk. khoz. 42 no. 11 82-89 N '66
- ROSTOV PROVINCE—TELEVISION BROADCASTING OF NEWS**  
The most sensitive compass. A. Vasil'chenko. Sov. radio i tel. 12 no. 6:23 Ju '63
- ROSTOV PROVINCE—WHEAT—FERTILIZERS AND MANURES**  
Use of fertilizers in pea-winter wheat link of crop rotation in Chernozems of the northern part of the Sea of Azov Region within Rostov Province. I. M. Shapovalova, I. I. Makarova. Khim. v sel'sk. khoz. 4 no. 12:6-8 D '66
- ROTARY KILNS** see Kilns, Rotary
- ROTARY PUMPS—NOISE**  
Reducing noise level in rotary pumps. V. K. Topolnitskiy, V. A. Chernyavskii. Vest. mashinost. 146 no. 12:37-40 D '66.
- ROTATING AMPLIFIERS**  
Asynchronous amplidyne power amplifier. R. I. Zelichenok. Elektrotehnika 37 no. 12 22-25 D '68.
- ROTATING MASSES OF FLUID**  
Condensation of rotating helium II. R. A. Babikidze, N. S. Gaviilidi. Zhur. eksp. i teo. fiz. 51 no. 5:1311-1343 N '68  
Condensation of rotating helium II and its density jump in phase transition point. E. I. Andronikashvili. Dzh. S. Tsakadze. Zhur. eksp. i teo. fiz. 51 no. 5:1344-1347 N '68  
Effect of rotation on rate of growth of single crystals, and formation of "paraskite" crystals. K. N. Shabatkin, G. V. Inushkin. Rost. khim. 6:385-387 '65
- ROTATION OF CROPS**  
(see also subdivision under Lithuania; Tambov Province, Ternopol' Province; Ukraine)  
Arrangement of crop rotations. V. Zapletin, M. Lopyrev. Zemledelie 20 no. 11:20-23 N '66  
Crop rotations and the increase of the effectiveness of fertilizers. A. I. Danilevskii. Zemledelie 28 no. 11:36-37 N '66  
Cultivation practices for grasses in crop rotation. F. Lint. Zemledelie 28 no. 12 20-21 D '66  
Effect of the age of the field on the yield. A. Smetanin. Zemledelie 28 no. 11:24-26 N '66  
How a collective farm mastered crop rotations. V. M. Stivakov, N. D. Rybakova. Zemledelie 28 no. 10 38-41 O '66  
Sunflower in crop rotation. I. Ushkin, V. Kadoshnikova. Zemledelie 28 no. 11:26-27 N '66  
System of crop rotation in farm management. P. A. Khilustov. Zemledelie 28 no. 10 42-46 O '66.
- ROTIFERA** see subdivision under Moldavia
- ROVNO PROVINCE—DRAINAGE—ECONOMIC ASPECTS**  
Profitability of drained lands in Rovno Province of the Ukraine. I. S. Zhiluk. Vod. khoz. no. 11:211-218 '66.
- ROVNO PROVINCE—GRAIN HANDLING**  
Mechanization of loading and unloading operations with products in sacks from practices of enterprises of the Lvov and Rovno Administrations of the grain product and mixed feed industry. V. Artemenko, K. Blagovenko, Kh. Shikhel'man. Muk. elev. prom. 32 no. 11 23-26 N '66
- ROVNO PROVINCE—STONE AGE**  
The Tupa culture of the Paleolithic period. M. I. Ostrovskii, G. P. Gligolev. Sov. arheol. 10 no. 4:1-13 '66
- ROZDOL (UKRAINE)—MINERAL INDUSTRIES—SCHEDULING**  
Network methods for managing the process of attaining planned production capacity of new enterprises. M. Moleshkin and others. Plan. khoz. 43 no. 1 43-50 Ja '67
- ROZHDESTVENSKAYA, OL'GA ANTONOVNA (DOBIAKH), 1876-1930**  
O. A. Dobias-Rozhdestvenskaya's archives in the M. P. Shlykov-Shekhin Public Library. T. P. Voronova. Sred. veka no. 29 187-190 '66  
The role of O. A. Dobias-Rozhdestvenskaya's works in the development of Latin paleogeography in the U. S. S. R., on the 25th anniversary of the death of O. A. Dobias-Rozhdestvenskaya, a corresponding member of the Academy of Sciences of the U. S. S. R. A. S. Lashin-kaya. Sred. veka no. 29 173-178 '66
- ROZHDESTVENSKAYA, OL'GA ANTONOVNA (DOBIAKH), 1876-1930—BIBLIOGRAPHY** see Bibliography—Rozhdestvenskaya, Ol'ga Antonovna (Dobias), 1876-1930
- ROZOV, VIKTOR SERGEEVICH, 1913-  
Anastas'ev, A. N.** [Viktor Rozov; a sketch of his work] Viktor Rozov, ocherk tvorchestva. Moskva, Sov. pisatel', 1966. 245 p.  
(CIY) (InU)
- RUBAKIN, NIKOLAI ALEKSANDROVICH, 1862-1946**  
Went to tend on Rubakin. V. Mitrokhin. 6 no. 11:40 N '66.
- RUBBER**  
Brown coal wax as softener for rubber compounds. H. A. Blokh, M. A. Vaskivska. Khim. prom. [Ukr.] no. 3 31-31 Ju '62  
Evaluation of the contributory effect of scattered radiation in the irradiation of rubber in press molds. A. S. Kuz'minskii, I. S. Ruzic. Kauch. i rez. 21 no. 6:12-11 Ju '62  
Inhibition of the catalytic activity of metal ions of variable valency in the oxidation of rubber. A. S. Kuz'minskii, V. D. Zaitseva, N. N. Gerasimov. Vysokom. soed. 4 no. 11:1682-1687 N '62  
Studies on protective stratified rubber for X-ray protection devices. A. N. Kuongauz, S. I. Voronin, E. I. Umnov. Vest. rent. i rad. 37 no. 3:60-62 My-Ju '62.
- RUBBER—ANALYSIS**  
New method for determining aluminum, iron, calcium, magnesium and zinc in rubber ashes by means of the chromatographic and complexometric analysis. N. M. Vitalevskaya, N. F. Pantareva. Kauch. i rez. 21 no. 6:53-56 Ju '62.
- RUBBER—TESTING**  
Extrudability and flow of rubber compounds. I. P. Borovoi, V. S. Skrobot. Kauch. i rez. 21 no. 6:21-23 Ju '62  
Meeting of the commission council on the instruments and methods of physicochemical testing. R. V. Tolstov, M. M. Reznikovskii. Kauch. i rez. 21 no. 6:59-60 Ju '62.
- RUBBER, RECLAIMED**  
Effect of softeners on the strength of reclaimed rubber. E. M. Tsvetayeva. Kauch. i rez. 21 no. 6:18-21 Ju '62.
- RUBBER, SYNTHETIC**  
Automatic control of the pH medium in the production of rubber with the use of rosin and fatty acid emulsifiers. D. S. Gligolev and others. Kauch. i rez. 21 no. 6:45-47 Ju '62  
Gelling of synthetic-rubber latexes. O. D. Chuhai, I. H. Botchenko, M. I. Lebedevskiy. Khim. prom. [Ukr.] no. 3:78-82 Ju '62  
Interaction of latexes with fillers. Part I: Effect of the nature of latex selective substance on colloidal-chemical properties of carbon black-latex mixtures. E. A. Aleksandrova, D. M. Sandomirskii, B. A. Dogadkin. Koll. zhurn. 28 no. 6 781-788 N-D '66  
Phosphorylation of polyethylene and butadiene rubber. G. F. Belchik and others. Vysokom. soed. 4 no. 11:1677-1681 N '62  
Properties of ethylphenyl siloxane rubbers. S. N. Borisov and others. Kauch. i rez. 21 no. 6:3-6 Ju '62  
Stability and coagulation of synthetic latexes. Part 8: Aggregated latexes. O. G. Kiseleva and others. Koll. zhurn. 28 no. 6:843-846 N-D '66.
- RUBBER, SYNTHETIC—ANALYSIS**  
Analysis of polysiloxane and gum compounds and rubber made on their base. Z. S. Zadorozhina, N. P. Karnasova. Kauch. i rez. 21 no. 6:51-53 Ju '62.
- RUBBER, SYNTHETIC—TECHNOLOGICAL INNOVATIONS** see subdivision under Erivan

## RUBBER COATINGS

Lubutin, A. L., K. S. Monakhova, and N. S. Fedorova. [Adhesive and sealing materials on base of liquid rubbers.] Antikorrozionnye i geymetizatsionnye materialy na osnove zhidkikh kauchukov. Moskva, Khimika, 1968. 207 p.

Technological process of vulcanizing parts of said pumps. N S Pechin. Tруды LITV 13 82 110-116 '65

## RUBBER COATINGS—TESTING

Resistance to light and ozone of films based on 1-7 isoprene during two-dimensional stretching. N. I. Chumachenko, I. S. Pomina, V. V. Cherenina. Kauchuk i rez. 21 no. 6:5-9 Je '62.

## RUBBER INDUSTRY—AIR CONDITIONING

Automation of the regulation of air conditioning as a factor improving the technology and working conditions in the rubber industry. I. I. Lukin. Kauchuk i rez. 21 no. 6:2-33 Je '62.

## RUBBER INDUSTRY—MANAGEMENT see subdivision under Economy

## RUBBER INDUSTRY WORKERS

Methodology for calculating the number of equipment repair mechanics in the rubber industry plants. P. M. Naberezhnyi. Kauchuk i rez. 21 no. 6:10-11 Je '62

## RUBBER MACHINERY—MAINTENANCE AND REPAIR

Methodology for calculating the number of equipment repair mechanics in the rubber industry plants. P. M. Naberezhnyi. Kauchuk i rez. 21 no. 6:10-11 Je '62

## RUBEZHNOYE REGION (UKRAINE)—WATER, UNDERGROUND—POLLUTION

Hydrogeological characteristics and contamination of underground waters of the Lisichansk-Rubezhnoye industrial region of the Donets Basin. A. F. Chaikin, A. D. Sokolov, Z. A. Chayva. Vod., zem. i gorn. stroy. no. 132-139 '66.

## RUBIDIUM see subdivision under Substances

## RUBIES—SPECTRA

Doubling of light frequency in ruby. T. P. Belikova, T. A. Sviridenko. Fiz. i tekhn. optika i laser, fiz. 5 no. 1:29-32 Ja '67.

Studying spectral characteristics of stimulated ruby radiation. M. E. Movsesian, I. U. S. Chingarian, N. N. Badolani. Izv. AN Arm. SSR, fiz. 1 no. 2:61-65 '66.

## RUDENKO, KHOMA IUKHIMOVYCH, 1901-1962

Khoma Iukhimovich Rudenko, obituary. S. S. Fedor, V. U. Mandryk. Ukr. bot. zhur. 20 no. 1:107-110 '63

## RUE

Chromatopolarographic determination of alkaloids in Haplophyllum perforatum seeds. E. K. Dobouravova, A. L. Markina. Khim. prirod. soed. no. 5:333-337 '66

## RUELENE

Ruelene as an effective means of controlling warble flies. V. K. Meleitsa. Veterinarnaia 13 no. 12:17-18 D '68

## ROMANIA—BIBLIOGRAPHY

[New literature on Romania] Nov. lit. po Rum. nos. 11-12 '68.

## ROMANIA—HISTORY

Bobetko, I., and I. A. Kopanski. [Twenty-two years of heroic struggle, from the history of the revolutionary and liberation movement in Bessarabia, 1918-1940] Dvadtsat' dva goda gericheskoi bor'by, iz istorii revoliutsionno-osvoboditel'nogo dvizheniia v Bessarabii v 1918-1940 gg. Kishinev, Parilnoe izd-vo TsK KP Moldavi, 1968. 42 p. (V pomoshch' agitatoru i propagandistu)

Revolutionary action of Rumanian workers in defense of the October Revolution in late 1917 and early 1918. S. M. Parkhomenchuk. Ukr. ist. zhur. 10 no. 12:22-30 D '66.

## ROMANIA—LEARNED INSTITUTIONS AND SOCIETIES

Centennial of Rumanian Academy of Sciences. Priroda 55 no. 12:103-104 '66.

## ROMANIA—MUNICIPAL SERVICES

Service facilities in the cities of Rumania. K. Kaitashova. Arkhiv. SSSR no. 11:52-57 '66.

## ROMANIA—PLOWS

Studying the operation of a mounted plowing unit in the Rumanian People's Republic. S. Caprolu. Zap. LSKH 96:259-263 '65.

## ROMANIA—RAILROADS—ROLLING STOCK

Rolling stock of Rumania. Zhelez. dor. transp. 48 no. 7: 88-87 Ji '66.

## ROMEN

Absorption and metabolism of feed digestion products by rumen walls. N. V. Kurilov and others. Sel'khoz. biol. 1 no. 6:890-899 '66.

Arginase activity of the rumen wall of cattle. S. I. Kuzen', V. I. A. Dorda, I. S. Polodko. Dop. AN URSSR no. 7:921-923 '63.

Effect of insulin on penetration of some cations and anions through the wall of cattle rumen. S. Z. Izhvitskiy, I. V. Indushevskiy. Dop. AN URSSR no. 11:458-460 '66

Function of rumen wall in cattle. S. Z. Izhvitskiy, O. F. I. A. Dorda. Ukr. bot. zhur. 20 no. 6:637-637 '66

## ROMEN—MICROBIOLOGY

Metabolism of nitrogen compounds in the rumen of ruminants. A. I. Solodov, N. A. Murphree, A. K. Belykh. Izv. AN SSSR, Ser. biol. no. 3:419-420 My '66

## ROMEN—SURGERY

Methodology for the formation of an isolated pouch on the ventral rumen. V. F. Vrafin. Fiziol. zhur. 18 no. 10: 1282-1284 O '62

## RUNOFF

(see also subdivision under Armenia; Caucasus, Chusovaya Valley; Kama Valley, Kazakhstan, Kichikay Range; Kuybyshev Reservoir, Pechora Valley; Uzbekistan; Vychegda Valley; Zetavshan Valley)

Device for recording the levels of mudflow inundations. I. P. Smirnov. Tруды KazNIGMI no. 3:10-50 '64

Irrigation of lands using local runoff. N. P. Borisenko, N. N. Ilyinskiy. Gidromel. 16 no. 12:1-5 D '66.

Reconnaissance aerial exploration of mudflow regions. S. P. Kavetskii, V. I. Korovin. Tруды KazNIGMI no. 3:37-39 '64

Regional relations for calculating the maximum discharge of lateral inflow. B. I. A. Kogan. Gidrost. 33 no. 7: 36-33 Ji '63

## RURAL CONSTRUCTION

(see also subdivision under Altai Territory; Transcarpathia; Ukraine)

Principal problems in the development of rural construction. S. Neifedov. Arkhiv. SSSR no. 6:17-19 '63

## RURAL CONSTRUCTION—MECHANIZATION see subdivision under Ukraine

## RURAL EDUCATION see Education, Rural

## RURAL ELECTRIFICATION see subdivision under Perm Province

## RURAL LIBRARIES see subdivision under Moldavia

## RURAL MEDICINE see Medicine, Rural

## RURAL PLANNING see subdivision under Azerbaijan; Bulgaria, Iskra District; Kharkov Province, Kiev Province; Ukraine

## RURAL PLANNING—CONGRESSES see subdivision under Ukraine

## RURAL WATER SUPPLY see Water supply, Rural

## RURAL YOUTH

(see also subdivision under Uzbekistan)

Young farmers' bright prospects for the future. F. S. Generalov. Mol. komm. no. 3:15-19 Mi '61

## RUSAKOV, MIKHAIL PETROVICH, 1892-1963

Mikhail Petrovich Rusakov, obituary. Izv. AN Kazakh. SSR Ser. geol. nauk no. 6:104-105 '63

## RUSSIA—ALLIED INTERVENTION, 1918-1920

This holiday is a particularly near concern of the river transportation workers. Rech. transp. 21 no. 7:3-1 Ji '62.

## RUSSIA—ARMED FORCES

The Armed Forces created by Lenin and trained by the party, on the 14th anniversary of the Soviet Army and Navy. A. Zheltov. Agitator no. 2:23-25 Ja '62.

The October Revolution and the development of the Soviet Armed Forces. R. Malinovskii. Kommunist 43 no. 1:26-36 Ja '67.

The sacred duty of our party. M. Evsukhin, M. Shatalin. Mol. komm. no. 11:41-50 N '61

## RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

But the matter suffers... B. Onydluk. Komm. Vooruzh. Sil 3 no. 10:56-58 My '63.

The continually operating front of the struggle for communism. Komm. Vooruzh. Sil 3 no. 10:2-6 My '63

From the editor's mail. Komm. Vooruzh. Sil 3 no. 10:58-63 My '63.

Go further, achieve more. A. Sosnov. Komm. Vooruzh. Sil 3 no. 10:15-19 My '63.

The highest duty of the communist is to be in the midst of the masses, to work with people. A. Gorbatenko. Komm. Vooruzh. Sil 3 no. 10:16-22 My '63.

The ideological commission attached to a political section. I. Orlov. Komm. Vooruzh. Sil 3 no. 10:19-23 My '63.

Independent reading, the road to knowledge. M. Getun. Komm. Vooruzh. Sil 3 no. 10:53-56 My '63

News of party and political work. Komm. Vooruzh. Sil 3 no. 10:93-96 My '63.

The Statute of the All-Union Leninist Communist Youth League, the law of the internal life of the Communist Youth League. A. Lizehev. Komm. Vooruzh. Sil 3 no. 10:64-70 My '63.

What decisions should the party bureau on mismanagement of communist make at a party meeting? Komm. Vooruzh. Sil 3 no. 10:85 My '63

What is the order of admittance to the All-Union Leninist Communist Youth League? Komm. Vooruzh. Sil 3 no. 10:81-85 My '63

## RUSSIA—ARMED FORCES—REGULATIONS

Propaganda of the demands of the initial code and military regulations. D. Smokin. Komm. Vooruzh. Sil 3 no. 10:21-27 My '63.

## RUSSIA—ARMY

The Moscow Proletarian Division. P. Kurnetsov. Voen. ist. zhur. 8 no. 12:66-70 D '66

## RUSSIA—BOLOTNIKOV UPRISING, 1806-1807

New source materials on the peasant war led by Bolotnikov. G. N. Anpilov. Vop. ist. 41 no. 12:100-102 D '66

## RUSSIA—CENSUS

Discuss more widely the program of the forthcoming census of the population. D. Valentin, G. F. Lel'eva. Vest. stat. 12 31-36 '66.

Our suggestions on the organization of the census of the population in 1969. A. Petrova. Vest. stat. no. 12: 16-17 '66.

## RUSSIA—CHURCH HISTORY

Avvakum's works and social movements at the end of the 17th century. A. N. Robinson. Tруды ODR 18 119-175 '62.

## RUSSIA—COMMERCE

Kaganov, E. D. [Socialist reproduction and the market] Sotsialisticheskoe vospol'zovanie i rynok. Moskva, Ekonomika, 1960. 160 p.

Paylov, D. V. [Soviet trade in contemporary conditions] Sovetskaya torgovlia v sovremennykh usloviakh. Izd. 2. Peter. Moskva, Ekonomika, 1965. 221 p. (CIV)

Warehouses and the organization of trade. G. K. Kozlov. L. Pechel's. Sov. tovg. 40 no. 1:9-12 Ja '67.

## RUSSIA—COMMERCE—EUROPE, EASTERN

Improving the structure of foreign trade. N. Zetova. Plan. khoz. 43 no. 1:66-70 Ja '67

## RUSSIA—COMMERCE—SWEDEN

Establishment of direct commercial contacts between Russia and Sweden after the Stockholm Treaty of 1617. I. P. Shkol'nikh. Sred. veka no. 23:139-158 '66

## RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

## RUSSIA—CONSTITUTION

Anisimova, T. B. [Constitutional forms of relations among the nationalities of the U.S.S.R., for universities of Marxism-Leninism] Gosudarstvennye pravovye formy natsional'nykh otnoшений v SSSR, dlia universitetov na kafedra-leninizma. Moskva, Mysl', 1966. 61 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

Some theoretical problems concerning the Constitution and governmental structure of the Soviet state. A. Dmitriev. Sov. iust. 30 no. 23:3-5 D '66.

## RUSSIA—DESCRIPTION AND TRAVEL

Drobysheskiy, V. I. [The reporting is done by the editor] Reportazh vedel' redaktor. [Cheliabinsk] Izurno-Ural'skoe knizhnoe izd-vo, 1964. 206 p. (CSI-II)

Soviet meridians. I. Radvolina. Nov. vrem. 25 no. 8: 9-10 F '67.

## RUSSIA—ECONOMIC CONDITIONS

Congress of the builders of communism. Transp. stroit. 11 no. 11-12 N '61

Editorial: The 50th anniversary of the revolution. Komm. Ukr. 41 no. 1:2-9 Ja '67

50 great years. Nov. vrem. 25 no. 3:1-2 Ja '67.

The 50th year. Parl. zhizn' no. 1:3-6 Ja '67.

The first year of the five-year plan is rendering an account, facts and figures. Agitator. 34 no. 24:15-18 D '66

The five-year plan. The second year; facts and figures. Agitator 34 no. 1:14-18 Ja '67.

Following Lenin's course. Agitator 34 no. 24:2-5 D '66.

[Party's efforts to consolidate and develop socialist society. Strengthening of the country's defenses, 1937-June 1941, consultations and methodological advice]

Partia v bor'bu za uprochenie i razvitiie sotsialisticheskogo obshchestva. Usilenie oborony strany (1937 god - Iun' 1941 goda), konsultatsii, metodicheskie sovery. [Moskva] Mosk. rabochi, 1982. 165 p. (V pomoshch' izuchaiushchim istorii KPSS, no. 14)

Production function of the national economy of the U.S.S.R. in 1961-1963. B. N. Mikulievskii, I. U. P. Solov'ev. Ekon. i mat. metod. 2 no. 6:823-830 N-D '68.

Progress of the seven-year plan; facts and figures. Agitator no. 18:30-31 S '62.

(CSt-H)

RUSSIA—POLITICS AND GOVERNMENT (Continued)

[People's control, a textbook for students of people's universities and faculties of people's control] Narodnyi kontrol', uchebnoe posobie dlia slushatelei narodnykh universitetov, fakul'tetov narodnykh kontrolerov. [Moskva, Znanie, 1966] 159 p. (Narodnyi universitet Fakul'tet pirovnykh znanii, nos. 11-12)

Some theoretical problems concerning the Constitution and government structure of the Soviet state. V. Dem'yanov. Sov. iust. 30 no. 23-35 D '66

Sharovskiy, N. G. [Procedures for organizing and conducting elections to the Soviets] Porядok organizatsii i p'ovedenia vybo'rov v Sovety Moskva, Iurid. lit-ty, 1967. 80 p

A state law of the October Revolution. A. Kositsyn Agitator 34 no. 21-30 D '66

Vasenin, V. K. [Deputies of local Soviets] Deputaty mestnogo Soveta Moskva, Iurid. lit-ty, 1967. 77 p

RUSSIA—RELATIONS (GENERAL) WITH BULGARIA

How Bulgarian writers studied the progressive experience of the Soviet laboring classes, 1919-1957. A. I. Donchenkov Vop. ist. slav. no. 2 221-229 '66

RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

Collective articles devoted to Russian ideological contacts with Czechs and Slovaks. I. P. Pavlova. Ist. SSSR 10 no. 6 171-176 N-D '66

History of Soviet cultural contacts with Czechoslovakia. T. I. Baskakova Vop. ist. slav. no. 2 230-236 '66

RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

International relations of the Soviet radio and television. Kh. Sarkisov Sov. radio i tel. 12 no. 5 38 May '63.

RUSSIA—RELATIONS (GENERAL) WITH ITALY

The Second Meeting of Soviet and Italian Historians. N. O. Komolova, P. G. Ryndimskii Ist. SSSR 10 no. 6 167-172 N-D '66

RUSSIA—REVOLUTION OF 1905

How Soviet historical studies have described the armed uprisings of 1905 in the provinces. N. N. Iakovlev. Trudy MGIAI 22 79-111 '65

Role of the Russian democratic intelligentsia in the Revolution of 1905 1907 L. K. Pimanov Vop. ist. 41 no. 12 23-38 D '66

RUSSIA—REVOLUTION OF 1905—SONGS AND MUSIC

"The Great Prologue (the year 1905)" From the cycle "Living pages of history" L. A. Grol'khof'skaya Vech. sred. shkola 9 no. 6 9-11 N-D '66

RUSSIA—REVOLUTION, 1917-1921

A calendar of the October Revolution Komm. Ukr. 41 no. 1 167-37 Ja '67.

The Committee for Studying the History of the Great October Revolution prepares for the celebration of the anniversary. S. M. Khatsyn, V. I. Miller Ist. SSSR 10 no. 6 202-209 N-D '66

Destruction of the bourgeois state apparatus during the October Socialist Revolution A. P. Kositsyn Vop. ist. KPSS 11 no. 1 41-57 Ja '67

Diplomats and the foreign press on the revolution in Russia and the events in the Soviet Union. M. Zhukovskiy Ist. 41 no. 1 73-81 '67

The Great October Socialist Revolution and the solving of the agrarian problem P. Pershin Ekon. sel'sk. khoz. 42 no. 12 7-20 D '66

How the Communist Party struggled against the violation of the Leninist principles of the socialist reorganization of agriculture in 1918-1919. V. A. Brychkov Trudy LPI no. 261-42-48 '66

The immediate and general revolutionary situation. N. G. Levintov Vop. ist. KPSS 11 no. 1 109-114 Ja '67

Korolev, B. I. [The party - inspire and organizer of the victory of the Great October Socialist Revolution, March-October 1917] Partiya - v'dokimovitel' i organizator pobedy Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii, mart-oktjabr' 1917 g. Moskva, Izd-vo polit. lit-ty, 1969. 84 p. (Uchebno-metodicheskie posobie k izucheniiu istorii KPSS) (CAOTU)

The Kremlin in 1918 A. Logunov, Agitator 34 no. 24-11-11 D '66

A Kronshtadt sailor worked as a Bolshevik propagandist in Volyn' Province. S. A. Lyubov. Ukr. ist. zhurn. 10 no. 11 116-118 N '66

Lenin, V. I. [On the Great October Socialist Revolution] O Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii. Izd. 2. Moskva, Politizdat, 1966. 383 p.

Leningrad recalls... The 50th anniversary of the Soviet regime. Nov. vrem. 25 no. 24-8 Ja '67.

Lenin's documentary materials relating to public education, October 1917-January 1923. Sov. pedagog 30 no. 6 109-124 Ja '66

People are born for happiness. A. Alekseeva, Mol. komm. no. 11 86-94 N '61

Priceless heritage. A. Evstov. Sov. profsoyuzny 22 no. 23-26-27 D '66

The Socialist Revolution and the school (1917-1918). F. F. Korolev, Z. I. Ravkin, Sov. pedagog 30 no. 8 89-102 Ag '66.

Some errors in a book. I. M. Ryzhon, M. E. Plomikova, S. F. Pomykhin. Ist. SSSR 10 no. 6 210-218 N-D '66

Some problems of the February Revolution. I. A. Aul' Vop. ist. KPSS 11 no. 117-31 Ja '67

The voice of the revolution. V mire knig 6 no. 11-5 N '66

We will celebrate in a proper manner the 46th anniversary of the Great October Socialist Revolution Lit. zhurn. no. 111 N '63

RUSSIA—REVOLUTION, 1917-1921—ANNIVERSARIES, ETC.

Decision of the Central Committee of the CPSU of January 3, 1967 on preparations for the 50th anniversary of the Great October Socialist Revolution Kommunist 13 no. 1 1-16 Ja '67

The 50th anniversary of the Soviet regime Sots. zakon 13 no. 12 3-8 D '66

Let us prepare for the glorious anniversary. Part. zhurn. no. 1 40 Ja '67

On preparations for the 50th anniversary of the Great October Socialist Revolution. Nov. vrem. 25 no. 3 33-40 Ja '67

With the light of the October Revolution: how to organize an exhibition on the occasion of the 50th anniversary of the Soviet regime. I. Lapalo, Agitator 31 no. 1 28-32 Ja '67.

A worthy welcome to the 50th anniversary of the October Revolution. Kiy. ied 17 no. 9 15 '66

RUSSIA—REVOLUTION, 1917-1921—CAMPAIGNS

A chronicle of heroic battles Voen. ist. zhurn. 8 no. 12: 110-111 D '66

Lenin, V. I. [War-time correspondence, 1917-1922] Voen-naia p'episka, 1917-1922 gg. Moskva, Voenizdat, 1966. 453 p.

RUSSIA—REVOLUTION, 1917-1921—HISTORIOGRAPHY

How historians prepare for the 50th anniversary of the Great October Revolution. A. S. Zashkinnak Vop. ist. 41 no. 1 146-147 Ja '67

RUSSIA—REVOLUTION, 1917-1921—INFLUENCE

The October Revolution and our time V. T. Nizhnikov. Vech. sred. shkola 9 no. 6 15-18 N-D '66

RUSSIA—REVOLUTION, 1917-1921—NAVAL OPERATIONS

By order of the revolution. G. I. Lovechenko, Mol. shor 49 no. 10 10-11 O '66

The fire of desire serving the republic. I. P. Chelnyshchev Mol. shor. 19 no. 10 19-21 O '66

On the "Samson" during the October Revolution. V. F. Kumpelich Mol. shor 49 no. 10 11-18 O '66.

RUSSIA—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Shavlov, I. B. [Special assignment] Osoboe zadanie. 1-izd. 2. 1-izd. 1 dop., Moskva, Politizdat, 1965. 142 p. (NIC)

RUSSIA—STATISTICS

The five-year plan. The second year: facts and figures. Agitator 34 no. 14-18 Ja '67.

Processing of telegraphic reports on the gross output at the Central Computing Station of the Central Statistical Association of the U.S.S.R. V. Bragn, A. Ivanov Vest. stat. no. 12 53-59 '66

RUSSIA—STATISTICS—YEARBOOKS

[National economy of the R.S.F.S.R. in 1965; a statistical yearbook] Narodnoe khoz'iatstvo RSFSR v 1965 godu; statisticheskiy ezhegodnik. Moskva, Statistika, 1966. 615 p.

[National economy of the U.S.S.R. in 1965; a statistical yearbook] Narodnoe khoz'iatstvo SSSR v 1965 g.; statisticheskiy ezhegodnik. Moskva, Statistika, 1966. 909 p.

RUSSIA—STATISTICS, VITAL

Vital population statistics in the U.S.S.R. Vest. stat. no. 12 80-90 '66.

RUSSIA—UNDERGROUND LITERATURE

Historical discoveries. Ist. SSSR 10 no. 6 200-201 N-D '66.

RUSSIA, NORTHERN—ARCHITECTURE AND CLIMATE

Building in cities of the first climate construction zone. A. Sakharov, A. Gurbur-Gorbovich Zhil. stroi. no. 12: 11-14 '66

RUSSIA, NORTHERN—DYSENTERY—MICROBIOLOGY

Some problems of dysenteric epidemiology in the Far North. G. G. Mirzoev, Zhurn. mikrobiol. i epid. i immun. 33 no. 6 32-37 Je '62.

RUSSIA, NORTHERN—FIELD MICE

Role of voles in epizootics of lundra rabies of arctic fox. L. M. Stuzlumova. Vop. virus. 11 no. 5 593-598 S-O '66.

RUSSIA, NORTHERN—GAME AND GAME BIRDS

Leble, B. B. [Game animals and birds of the North] Okhotnich'i zvori i ptitsy Severa. [Arkhangelsk] Severo-Zapadnoe knizhnoe izd-vo, 1965. 134 p.

RUSSIA, NORTHERN—LABOR LAWS AND LEGISLATION

Answering on readers' questions. Sov. iust. 30 no. 23: 30 D '66.

RUSSIA, NORTHERN—PINE

Levin, V. I. [Pine forests of the European North; structure, growth, and evaluation of stands] Sosnyki Evropeiskogo Severa, stroenie, rost i tsukalsia drevostoy Moskva, Lesnaia promyshlennost', 1966. 151 p. (DNAI)

RUSSIA, NORTHERN—RABIES

Role of voles in epizootics of lundra rabies of arctic fox. L. M. Stuzlumova. Vop. virus. 11 no. 5 593-598 S-O '66

RUSSIA, NORTHERN—RAILROADS—SNOW PROTECTION AND REMOVAL

Komarov, A. A. [Prevention of snow drifts on the roads beyond the Arctic Circle] Preduprezhdenie snezhnykh zanosov na dorogakh Zapol'ar'ia Novosibirsk, Irkutsk-Izdatel'skii otdel SO AN SSSR, 1965. 157 p.

RUSSIA, NORTHERN—ROADS—SNOW PROTECTION AND REMOVAL

Komarov, A. A. [Prevention of snow drifts on the roads beyond the Arctic Circle] Preduprezhdenie snezhnykh zanosov na dorogakh Zapol'ar'ia Novosibirsk, Irkutsk-Izdatel'skii otdel SO AN SSSR, 1965. 157 p.

RUSSIA, NORTHWESTERN—CUCUMBERS

Mescherov, E. T., and G. B. Doss. [Cucumbers] O kumets. [Leningrad] Lenizdat, 1965. 72 p. (DNAI)

RUSSIA, SOUTHERN—AFFORESTATION

Founders of protective forest cultivation on southern roads. F. V. Burtak Put' i put' khoz. 10 no. 12 10-11 '66.

RUSSIA, SOUTHERN—GEOLOGY, STRATIGRAPHIC

Yasnaya Polyana superhorizon on the southern slopes of the Voronezh Massif. G. M. Iakovlev. Uchen. zap. Vost. gos. ped. inst. no. 18 119-163 '64.

RUSSIA, SOUTHERN—SAIGA—DISEASES AND PESTS

Murzin, A. N. I. Z. Khrushchenko, V. M. Ponomarev Trudy Gos. nauch.-issl. prirodozashch. inst. Irkutsk 2-22 '60

RUSSIAN DRAMA—HISTORY AND CRITICISM

We shall never forget the heroes of this play. V. M. Shimenko, O Spaseni. Mol. komm. no. 3 11-14 M '61.

RUSSIAN ECONOMIC ASSISTANCE see Economic assistance, Russian

RUSSIAN ESSAYS—HISTORY AND CRITICISM

Vinogradov, I. I. [Responsible to the times; notes on the rural sketch of the fifties] V otvete vremen, zametki o deysvom ocherke pladistatskiykh godov. Moskva, Sov. pisatel', 1966. 191 p.

RUSSIAN FICTION—HISTORY AND CRITICISM

Nature themes in the Russian democratic prose in the sketches of the 16th century (N. Ponomarevskii, N. Krasnitskii, I. Reshetnikov, V. Stepanov) V. A. Nikol'skii Uchen. zap. Vost. gos. ped. inst. 13:22-25 '65

RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Akademicheskii pedagogicheskii kurs RSFSR. [Creative compositions in senior grades; on literary themes] Tvorcheskie sochineniia v starshikh klassakh; na literaturnye temy. Pod red. N. V. Kolokol'seva. Moskva, Prosveshchenie, 1966. 164 p.

Litvinov, V. V. [Compositions in the upper grades of the secondary school] Sochineniia v starshikh klassakh srednei shkol. Moskva, Prosveshchenie, 1965. 100 p. (NIC)

RUSSIAN LANGUAGE—CONVERSATION AND PHRASE BOOKS

Khavronina, S. [Speak Russian] Govorite po-russki. 2. izd. 1-izd., Moskva, Progress [1960] 207 p. (CAOTU)

RUSSIAN LANGUAGE—DIALECTS

(see also subdivision under Tambov Province)

Dialectological atlas of Russian. L. Trushchik. Vop. iaz. 15 no. 5 110-120 S-O '66.

RUSSIAN LANGUAGE—DICTIONARIES—AZERBAIJANI

Russian-Azerbaijani medical terminology Azerb. med. zhurn. no. 3 83-88 Mr '62

RUSSIAN LANGUAGE—FOREIGN WORDS AND PHRASES

A dictionary of winged and foreign words. Agitator no. 2. 53 Ja '62

RUSSIAN LANGUAGE—GRAMMAR

[Practical grammar, brief information on etymology and syntax] Prakticheskaia grammatika; kratkie svedeniia iz etimologii i sintaksis. [Moskva] 100-177 p. (DGW)



**RUSSIAN LANGUAGE—NOUN**  
Plamovatka, S.S. [Nouns of measure and value in modern Russian; a textbook] Razmeri no-olsenochnye imena sushesvitel'nye v sovremennom russkomazyke, uchebnoe posobie. Moskva, M-vo vysshego i srednego spezial'nogo obrazovaniia RSFSR, 1961. 119 p. (NIC)

**RUSSIAN LANGUAGE—OLD RUSSIAN**  
Atakemita nauk SSSR, Institut russkogoazyka. [Dictionary of the Old Russian language of the 11th-14th centuries, introduction, instructions, list of sources, articles with examples] Slovari' drevnerusskogoazyka XI-XIV vv., vvedeniye, instruktsiya, spisok istochnikov, prubnye slavi. Pod red. R.I. Avanesova, Moskva, Nauka, 1966. 301 p.

**RUSSIAN LANGUAGE—ORTHOGRAPHY**  
Atakemita nauk SSSR, Institut russkogoazyka. [Orthography and the Russian language] Ortografiia i uskili tazyk. Moskva, Nauka, 1966. 132 p.

Algazina, N.N. [Preventing spelling errors among students of grades 5-8, a textbook for the teacher] Preduprezhdeniye ortografiicheskikh oshibok uchashchikhsia V-VIII klassov, posobie dlia uchitel'a. Moskva, Prosveshcheniye, 1965. 279 p. (CIV)

Baranov, M.T. [Work with orthographical errors in grades 5-8; from a teacher's practice] Rabota nad ortografiicheskimi oshybkanmi v V-VIII klassakh, iz opyta uchitel'a. Pod red. G.P. Fiksova, Moskva, Izdatel'stvo pedagog. nauk RSFSR, 1962. 46 p. (Pedagogicheskie chionlini) (ICarbs)

**RUSSIAN LANGUAGE—PARTICIPLE**  
 Adjectivation of participles in its relation to word formation. V.V. Lopatin Vop laz. 15 no 5:37-47 S-O '66

**RUSSIAN LANGUAGE—PHONETICS**  
Emelenko, I.N. [A collection of exercises in the phonetics of the Russian language, a textbook for foreign students of the philological faculty] Sbornik uprazhnenii po fonetike russkogoazyka, posobie dlia studentov inostranstev filologicheskogo fakulteta. Moskva [Univ. družby narodov] 1964. 38 p. (MIEM)

**RUSSIAN LANGUAGE—SPOKEN RUSSIAN**  
 A book needed by all. E. Khankira. Nov.mir 30 no.3:276-278 Mir '63

**RUSSIAN LANGUAGE—STUDY AND TEACHING**  
 (see also subdivision under Zaporozh'ye)  
Bozhdestvenskii, N.S. [Methodology of teaching elementary Russian for faculties preparing primary school teachers in the pedagogical institutes] Metodika nachal'nogo obucheniia russkomuazyku dlia fakultetov podgotovki uchitel'ei nachal'noi shkol' pedagogicheskikh institutov. Moskva, Prosveshcheniye, 1965. 346 p. (Ncu)

the Russian language and literature. V Iurkovskai, V.Iurkovskii. Naz obi no.12:71-71 D '66

Sukhobskii, G.S. [Acquisition of knowledge of the Russian language by students of evening school] Usvoeniye znanii po russkomuazyku uchashchimsia vechernnikh shkol. Moskva, Prosveshcheniye, 1965. 77 p. (NIC)

Use of the present tense verbs by deaf children trained in kindergartens upon their entering a school. G.S. Averkhina. Uch.zap MGPI no.219:245-248 '64.

Working on synonyms in primary grades of the schools for the deaf. L.A. Krotkova. Uch.zap. MGPI no.219: 229-244 '64.

Zvolinskii, I.I. [Didactic material on the Russian language for the third grade of the two-grade school] Didakticheski material po russkomuazyku dlia III klassa dvukhklassnoi shkol'yi. Izd.3. Moskva, Gus, uchebno-pedagog. izd-vo, 1962. 109 p. (OU)

**RUSSIAN LANGUAGE—TERMS AND PHRASES**  
Akhangel'skii, V.L. [Set phrases in modern Russian; principles of the theory of set phrases and problems of general phraseology] Ustoielivye frazy v sovremennom russkomazyke, osnovy teorii ustoielivyykh fraz i problemi obshchei frazeologii. (Roslov-na-Donu) Izd-vo Roslovskogo universiteta, 1964. 314 p. (MIU)

Political vocabulary. Agliator 34 no.23:52 D '66.

**RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS**  
Merzon, S.N., T.N. Palom, and Z.V. Smirnova. [Collection of exercises on the development of the spoken language; based on the study of grammatical subjects (the adjective). A textbook for foreign students] Sbornik uprazhnenii po razvitiu usnoi rechi; na osnove izucheniia grammaticheskikh tem (imia prilagatel'noe). Posobie dlia uchashchikhsia inostranstev. Pod red. S.N. Merzon. Moskva, MEI, 1966. 122 p.

**RUSSIAN LANGUAGE—TEXTBOOKS FOR FOREIGNERS—LATVIAN**  
Debris, L.A., and L.A. Liubimova. [Russian language; a textbook for the second grade with Latvian as the language of instruction] Russkii tazyk; uchebnik dlia II klassa s latvieskim tazykom obucheniia. Riga, Latvieskoe gos. izd-vo, 1965. 213 p. illus. (insert)

**RUSSIAN LANGUAGE—VOWELS**  
 Alternation of *g* and *g'* in modern Russian literary language. I.M. Latincev Vop laz. 15 no 5:41-50 S-O '66

**RUSSIAN LANGUAGE—WORD FORMATION**  
 Adjectivation of participles in its relation to word formation. V.V. Lopatin Vop laz. 15 no 5:37-47 S-O '66

**RUSSIAN LITERATURE—BIBLIOGRAPHY** see Bibliography—Russian literature

**RUSSIAN LITERATURE—CRITICISM, TEXTUAL**  
 Studying the composition of collections in order to elucidate the text of works. D.S. Likhachev. Trudy ODRL 18:3-12 '62.

**RUSSIAN LITERATURE—HISTORY AND CRITICISM**  
 (see also subdivision under Japan)  
 Academic sessions of the Group on the Study of Old Russian Literature of the A.M. Gorkii Institute of World Literature of the Academy of Sciences of the U.S.S.R. in 1960. Trudy ODRL 18:600 '62.

Academic sessions of the Section of Old Russian Literature of the Institute of Russian Literature (Pushkin House) of the Academy of Sciences of the U.S.S.R. in 1960 and 1961. Trudy ODRL 18:596-599 '62

Atakemita nauk SSSR, Institut mirovoi literatury. [Old Russian literature and its relation to modern times] Drevnerusskii literatura i ee svyazi s novym vremenem. Moskva, Nauka, 1967. 300 p. (Izslodovaniia i materialy po drevnerusskoi literatury)

Comparative study of the literature and art of Ancient Russia. D.S. Likhachev Trudy ODRL 22:3-10 '66

Genre traits of old Russian "travels". V.V. Dmitriev. Trudy ODRL 18:21-37 '62

Italian book on the history of Old Russian literature. I.S. Dulchev Trudy ODRL 18:552-568 '62.

[Modern Soviet literature] Sovremennai sovetskai literatura. Moskva, Znaniye, 1966. 156 p. (Narodnyi universitet Fakul'tet literatury i isskussva, nos.11/12)

New copy of the tale on the French nobleman Aleksandr. G.N. Moliseev Trudy ODRL 18:591-593 '62.

Old Russian literature in a textbook on the history of books. D.N. Apshits, N.N. Rozov. Trudy ODRL 18:588-590 '62.

Recently found story "The stand on the Ugrn." I.A. S. Luv'e. Trudy ODRL 18:289-293 '62

T addition and innovation in the "women's tale" genre, literary analysis. Nataliia Il'ina. Nov.mir: 39 no 3: 221-230 Mi '63.

A work about Ivan the Terrible found again. L.A. Dmitriev Trudy ODRL 18:374-408 '63

**RUSSIAN LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY** see Bibliography—Russian literature—History and criticism

**RUSSIAN LITERATURE—STUDY AND TEACHING**  
 (see also subdivision under Japan)  
Brzhez, T.G. [Problems of the teaching of literature in grades 5-8 of the evening (shift) school] Voprosy prepodavanii literatury v V-VIII klassakh vechernnei (smennoi) shkol'yi. Moskva, Prosveshcheniye, 1965. 199 p. (NIC)

The Russian language and literature. V Iurkovskai, V.Iurkovskii. Naz obi no.12:71-71 D '66

**RUSSIAN LITERATURE—TRANSLATIONS FROM FOREIGN LITERATURE**  
 Problems in the study of the translated literature of ancient Russia. V.D. Kur'mina. Trudy ODRL 18: 13-20 '62.

**RUSSIAN LITERATURE—TRANSLATIONS INTO FOREIGN LANGUAGES—BIBLIOGRAPHY** see Bibliography—Russian literature—Translations into foreign languages

**RUSSIAN NEWSPAPERS**  
 Origins of the party control of governmental agencies and the Soviet press. O.A. Pozdniekov. Trudy LPI no.261:60-66 '66.

Problems of moral education and the press. L. Tolkunov. Kommunist 43 no.2:73-84 F '67.

**RUSSIAN NEWSPAPERS—INDEXES**  
 [Chronicle of newspaper articles] Let. gazet. st. no.12 '66.

**RUSSIAN PERIODICALS**  
 (see also subdivision under Voronezh)  
 Readers' conferences. Vop. ist. KPSS 11 no.1:147-151 Ja '67.

A review of periodicals. V mire knig 6 no.1:116 N '66.

**RUSSIAN PERIODICALS—INDEXES**  
 [Chronicle of periodical articles] Let. zhur. st. nos.1-4, '67. Vapomogatel'nye ukazatel'i k nos.1-3 za 1966 g.

"The 40th anniversary of the "Letopis' zhurnalnykh statei." L.M. Koi chagina Sov. bzhl no 5:101-104 '66

**RUSSIAN PLATFORM—BORING**  
 [Practical work on the geology of the U.S.S.R., Russian Platform] Praktikum po geologii SSSR, Russkai platforma. [By] M.F. Mikunov i dr. Moskva, Vysshai shkola, 1966. 109 p.

**RUSSIAN PLATFORM—BRACHIOPODA, FOSSIL**  
 Stages of development of Brachiopoda and Nannu stratigraphy. S.V. Semikhatova. Blul. MOIP, Otd. geol. 41 no.4:73-101 Ji-Ag '66.

**RUSSIAN PLATFORM—CHEMICAL ELEMENTS**  
 Accessory chemical elements in sands of Middle Jurassic continental sediments in Vyatka Kama depression of Russian Platform. P.V. Ivashov. Lit. i pol. iskop no 6:137-142 N-D '66.

**RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHIC**  
 Stages of development of Brachiopoda and Nannu stratigraphy. S.V. Semikhatova. Blul. MOIP, Otd. geol. 41 no.4:73-101 Ji-Ag '66.

**RUSSIAN PLATFORM—GEOLOGY, STRUCTURAL**  
 New data on geology of central and northwestern regions of Russian Platform. A.Sh. Ta'ch'son Sov. geol. 9 no.13:115-118 D '66

Structure of crystalline basement of eastern regions of Russian Platform. A.I. Aitosh. Blul. MOIP, Otd. geol. 41 no.1:117-118 Ji-Ag '66

**RUSSIAN PLATFORM—KIMBERLITE**  
 Deep faults as a factor conducive to the detection of kimberlites in the Russian Platform. V.O. Ruditskii Trudy VGU 63:7-15 '65.

**RUSSIAN PLATFORM—PALEOBIOLOGY**  
 Paleobiological facts and methodology of their separation, as revealed by study made in Crummin basin in southwestern part of Russian Platform. V.A. Sobolevskii. Paleont. zhur. no.4:19-30 '66.

**RUSSIAN PLATFORM—ROCKS, SLICEOUS**  
 Conditions governing accumulation of Upper Jurassic sliceous sediments in southern part of Russian Platform. N.E. Kanskii. Dokl. AN SSSR 171 no.2:150-152 N '66

**RUSSIAN POETRY—CRITICISM, TEXTUAL**  
 "Vozni strukov" in the "Lay of the host of Igor." D.S. Likhachev. Trudy ODRL 18:587 '62.

**RUSSIAN POETRY—HISTORY AND CRITICISM**  
 (see also subdivision under Siberia)  
 "Moral and spiritual" verse in a 16th century copy. A.V. Puzhnev Trudy ODRL 18:309-310 '62.

A new copy of the "Epistle of an enemy of the court." I.F. Golubev. Trudy ODRL 18:326-328 '62.

Our pastimes. N. Raskata. V mire knig 6 no.10: 32-33 O '66.

Shine on Polotsk's "Verse painter" and 16th century Russian poetry. I.Z. Semina. Trudy ODRL 18:214-232 '62.

"Unspoiled waist." VI. Tarov. V mire knig 6 no.11: 30-31 N '66.

**RUSSIAN POETRY—STUDY AND TEACHING**  
 Teenagers and poetry. V. Razova. Biblioteka' 44 no.1:31-38 Ja '67.

**RUSSIAN SOCIAL DEMOCRATIC PARTY**  
 The Bolshevik Party was the leader and inspirer of the victory of the Great October Socialist Revolution. V. Orlov. Komm. Ukr. 11 no.12:19-58 D '66

[Comparisons in struggle; letters of V.I. Lenin's associates, 1890-1900] Tovarischi v bor'be: pis'ma soratnikov V.I. Lenina, 1896-1900. [Krasnodarsk] Krasnodarskoe knizhnoe izd-vo, 1965. 251 p.

Illegal and legal activities of the Bolsheviks in 1910-1914. N.V. Telugin. Trudy LPI no.261:52-41 '66

Immortality of our cause. V mire knig 6 no.10:3 O '66.

The Leninist Central Committee of the Party during the October Revolution. B.N. Kameshkov Trudy LPI no.261:15-15 '66.

Moliseev, P.A. [Reminiscences of an old revolutionary] Vospominaniia starogo revoliutsionera. Moskva, Mysl', 1966. 275 p.

[The Party as the inspirer and organizer of the victory of the Great October Socialist Revolution, March-October 1917] Partia-vodkhuvoile' i organizator pobedy vel'koi Oktia'br'skoi sotsialisticheskoi revoliutsii (mari-oktia'br' 1917 goda). [Moskva] Mosk. labochii, 1968. 173 p. (V pomoshch' izuchaiushchim istoriiu KPSS, no.7)

The party of social democrat internationalists. A.M. Sovokin. Vop. ist. KPSS 11 no.1:77-87 Ja '67.

Shevlev, A.G. [Fraternal cooperation of Polish social democrats with the Bolsheviks in 1903-1910] Bratskoe sotrudnichestvo pol'skikh sotsial-demokratov s bol'shevikami v 1903-1910 gg. Kiev, Izd-vo Kievskogo univ., 1908. 259 p. (CSt-II)

Strategy and tactics of the CPSU in the basic phase of its struggle for communism. S.H. Finolov. Ukr. ist. zhur. 10 no.11:66-77 N '66.

**RUSSIAN SOCIAL DEMOCRATIC PARTY—PERIODICALS**  
 Circulation of the periodical "Prilubanskii step" in the Donets Basin, 1915-1917. A.M. Slodina. Ukr. ist. zhur. 10 no.11:330-338 N '66.

Efforts of the Bolshevik press to develop Russo-Polish proletarian contacts, 1910-1914. B.A. Tabachnikov. Vop. ist. slav. no.2:166-207 '66.

## RUSSIAN STUDIES

(see also subdivision under United States)

V. I. Lenin on the bourgeois studies devoted to the history of the Great October Socialist Revolution. H. H. Chernykh. Ukr. ist. zhurn. 30 no. 11-12-13 N '66.

## RUSTAVELLI, SHOTA, fl 1190

Eight hundred years since the birth of Shota Rustaveli. V. I. Ibedov. Sov. pedag. 30 no. 12-14 D '66.

"The man in the panther's skin" and the problem of the renaissance of romanticism. N. I. Konrad. Naiz. Afr. no. 6-7-8-9 '66.

Marr, N. A. [Problems of the Vepkhistskaosani and Visramiani] Voprosy Vepkhistskaosani i Visramiani. Podgotovka shornika k pechatu, issledovanie, kommentarii i priimochka I. V. Megreldze. Tbilisi, Metsnereba, 1966 292 p. [Russian and Georgian]  
Shota Rustaveli, and his poem "The man in the panther's skin." G. N. Dzibladze. Sov. pedag. 30 no. 12-14 D '66.

## RUSTS (FUNGI) see subdivision under Maritime Territory

RUTCHENKOVO (UKRAINE)—COKE PLANTS—EQUIPMENT AND SUPPLIES  
A method of replacing platforms in car dumpers. V. K. Mikhailov. V.S. Baranov. Koks. khim. no. 12-14-19 '66.

## RUTHENIA see Transcarpathia

## RUTHENIUM

Study of electrochemical behavior of ruthenium electrode-catalysts by means of the charge curves method. T. N. Stolanovska, G. P. Khomchenko, G. D. Vovchenko. Vest. Mosk. un. Ser. 2. Khim. 17 no. 5-9-33 S-O '62.

## RUTHENIUM—ANALYSIS

Determination of tetraavalent ruthenium by means of potentiostatic conductometry. N. I. Stenina, I. A. Kivlov, P. K. Agassian. Zhur. anal. khim. 21 no. 11-12-13-14 '66.

## RUTHENIUM COMPOUNDS

Compounds of ruthenium (III) hydroxyethylene diamine tetraacetate with oxygen. N. A. Ezerskaia, T. P. Solov'ykh. Zhur. neorg. khim. 11 no. 11-12-13-14 N '66.

Nitrosocitric complex compounds of ruthenium. V. N. Pichkov, O. E. Zviagintsev, N. M. Sinitsyn, Zhur. neorg. khim. 11 no. 11-12-13-14 N '66.

Reaction of ruthenium compounds with sulfuric acid. S. I. Ginzburg, M. I. Iuz'ko, T. A. Fomina. Zhur. neorg. khim. 11 no. 11-12-13-14 N '66.

## RUTHENIUM SULFATE

Green ruthenium sulfate. S. I. Ginzburg, M. I. Iuz'ko, T. A. Fomina. Zhur. neorg. khim. 11 no. 11-12-13-14 N '66.

## RYAZAN—TEXTILE FIBERS, SYNTHETIC

Centralization of accounting in synthetic fiber enterprises. A. Samsonov. Bkhg. uch. no. 11-17-20 N '66.

## RYBINSK HYDROELECTRIC POWER STATION—HYDROLOGY

Underwater speed regime in constant discharges of Rybinsk Hydroelectric Power Station. N. V. Butorin, V. P. Kurdin, S. N. Tachalov. Sbor. rab. Ryb. gidromet. obser. no. 3-2-88 '66.

## RYBINSK RESERVOIR

Tachalov, S. N. [On the Rybinsk Sea] Na Rybinskom more, "Izvestiya", Vorkhne-Volzhskoe knizhnoe izd-vo, 1966, 84 p.

## RYBINSK RESERVOIR—HYDROLOGY

Approximate method for calculation of maximum height of waves based on mean period of waves. V. F. Gushchin. Sbor. rab. Ryb. gidromet. obser. no. 3-61-74 '66.

Some data on wind currents in Rybinsk Reservoir. A. S. Litvinov. Sbor. rab. Ryb. gidromet. obser. no. 3-50-60 '66.

## RYBINSK RESERVOIR—HYDROMETEOROLOGY

Effect of hydrometeorological conditions on turbidity processes in Rybinsk Reservoir. N. A. Ziminova. Sbor. rab. Ryb. gidromet. obser. no. 3-160-108 '66.

## RYBINSK RESERVOIR—TEMPERATURE

Methodology and results of observations on bottom soil temperatures of Rybinsk Reservoir. S. N. Tachalov. Sbor. rab. Ryb. gidromet. obser. no. 3-3-23 '66.

## RYBINSK RESERVOIR—TURBIDITY

Effect of hydrometeorological conditions on turbidity processes in Rybinsk Reservoir. N. A. Ziminova. Sbor. rab. Ryb. gidromet. obser. no. 3-160-108 '66.

## RYBINSK RESERVOIR REGION—SEDIMENTATION AND DEPOSITION

Distribution of sediments in Rybinsk Reservoir region. L. A. Gushchina. Sbor. rab. Ryb. gidromet. obser. no. 3-167-180 '66.

## RYBINSK RESERVOIR REGION—WINDS

Wind regime in Rybinsk Reservoir region. L. A. Gushchina. Sbor. rab. Ryb. gidromet. obser. no. 3-109-169 '66.

## RYE—DISEASES AND PESTS

Effect of rust infection on amino acid composition in leaves of Partizanskaya variety. N. A. Kiseleva. Dokl. AN SSSR. 10 no. 10-12-766-793 O '66.

## SACCO, NICOLA, 1891-1927

Sacco and Vanzetti... you remember them. I. A. Sharyevskii. Sov. profsoyuz. 22 no. 21-40 D '66.

## SAFONOV, BORIS FEOKTISTOVICH, 1915-1942

Kuznetsov, S. G. [Air force] Vozdushnyi as. Moskva, DOSAAF, 1966. 43 p. (Molodezhni o gerolakh i podvigakh)

## SAFRANINE

Extraction-photometric determination of phosphorus as reduced safrafinic phosphomolybdate. F. P. Sudakov, V. I. Kikina, T. A. Denisova. Zhur. anal. khim. 21 no. 11-13-13-14 '66.

## SAIGA—DISEASES AND PESTS see subdivision under Russia, Southern

## SAINFOIN

(see also subdivision under Issyk-Kul' Depression)  
High-yield grass. M. Gorbatenko. Zemledelie. 28 no. 12-26 D '66.

## SAKHALIN—CHUM SALMON

Resistance of young chum salmon (Oncorhynchus keta Walb.) to current speed and predatory fishes. A. N. Kozlov. Trudy MMBI no. 12-101-111 '66.

## SAKHALIN—CONSTRUCTION INDUSTRY

Potentialities and difficulties of Sakhalin builders. O. Ruchkinov. Na. Stoi. Ros. 7 no. 11-2-3 N '66.

## SAKHALIN—CONSTRUCTION INDUSTRY—MANAGEMENT

Scientific organization of labor at construction jobs in Sakhalin. G. Kornienko. Na. Stoi. Ros. 7 no. 11-10-20 N '66.  
Subcontract method among mechanics. A. Grushevskii. Na. Stoi. Ros. 7 no. 11-8-9 N '66.

## SAKHALIN—FISHERIES

The sea gives its riches to the brave. N. Redkokashina. Agitator. no. 16-10-42 Ag '62.

## SAKHALIN—PETROLEUM—MICROBIOLOGY

Mycobacteria isolated from formation waters of oil fields in northeastern Sakhalin. I. K. Novenkova. Mikrobiologiya. 35 no. 5-8-9-10-11-12 '66.

## SAKHALIN—RADIO IN THE CONSTRUCTION INDUSTRY

Radio communications in management of construction. V. G. Gaidin, V. Il'in. Na. Stoi. Ros. 7 no. 11-10 N '66.

## SAKHALIN—SALMON

Calcium accumulation by embryos and young salmon in Murmansk and Sakhalin hatcheries. L. D. Zhitenova. Trudy MMBI no. 12-101-100 '66.

## SAKHALIN—SCHISTS—ELASTIC PROPERTIES

Elastic wave velocity under pressures of up to 10,000 kg/cm<sup>2</sup> in chlorite schists of southern Sakhalin. M. P. Volavovich, M. F. Skorkova, I. S. Tomashevskaya. Trudy Inst. fiz. Zem. no. 37-61-67 '66.

## SAKI (UKRAINE)—CHEMICAL PLANTS

Saki Chemical Plant is 50 years old. V. T. Ziminov, V. I. Kuznetsov, A. M. Ponzovskii. Zhur. VKHO. 11 no. 6-7-702-703 '66.

## SALAIR RANGE—GEOLOGY—BIBLIOGRAPHY

History of the study of the relief and unconsolidated deposits of the Salair Ridge. A. M. Maloletko. Izv. Akad. Geog. ob-va SSSR. no. 3-15-23 '63.

## SALAIR RANGE—GEOMORPHOLOGY

Some recent data on the orography of the Salair Ridge. A. M. Maloletko. Izv. Akad. Geog. ob-va SSSR. no. 3-32-40 '63.

## SALAIR RANGE—ORE DEPOSITS

Characteristics of formation and metamorphism of pyritic complex metal ore deposits in Salair Range and Tuva. K. R. Kovalev. Geol. i geofiz. no. 9-14-54 '66.

Form of the connection between barite-complex metal mineralization and magmatism in Salair ore field. A. S. Lapukhov. Geol. rud. mestorozh. 8 no. 6-80-91 N-D '66.

## SALICYLIC ACID

Polarographic study of zinc complexes with p-aminosalicylic acid. M. S. Novikovskii, V. N. Voinova. Zhur. neorg. khim. 11 no. 11-2624-2627 N '66.

## SALINE AND ALKALI SOILS

(see also subdivision under Voronezh Province)

Electricity in improvement of saline soils. A. V. Vadinina. Vest. Mosk. un. Ser. 6. Biol., pochv. 21 no. 4-180-100 Ji-Ag '66.

Salinization of soils during the irrigation with mineralized waters. A. M. Korzh. Vod. khoz. no. 4-113-119 '66.

State of meliorative soil science and the problems of soil improvement studies for the justification of the projects of irrigating and improving salinized soils. V. V. Pogorelov, P. A. Lomonov. Pochvovedenie. no. 12-1-10 D '66.

## SALINITY

Development of theory of T-S curves for Atlantic according to depth of ocean. O. I. Mamonov. Trudy Mirov. okean. Inst. AN USSR. 11-11-153 '66.

## SALINITY—PHYSIOLOGICAL EFFECT

Chemical analysis of pink salmon (Oncorhynchus gorbuscha Walb.) in gradient conditions of salinity and temperature. G. D. Holikov. Trudy MMBI no. 12-65-75 '66.  
Relationship of young salmon to different water salinity. T. I. Pivovarov. Trudy MMBI no. 12-54-61 '66.

## SALIVARY GLANDS

Effect of conditioned reflex stimulation of the autonomic (phlorhizin) salivation. S. L. Levin, A. I. Malikhin. Zhur. vys. nerv. delat. 12 no. 3-457-464 My-Je '62.  
Radiometric investigation of salivary glands with the aid of radioactive iodine. I. A. Ustin. Med. rad. 7 no. 3-3-11 Ag '62.

## SALIVARY GLANDS—TUMORS

Methodology and technique of Chaut therapy in the compound treatment of "mixed" tumors of the salivary glands. M. A. Moskalenko. Klin. onk. no. 1-10-51 '65.

## SALMON

(see also subdivision under Barents Sea; Kamchatka; Khatanga River, Murmansk Province; Sakhalin; White Sea)

Effect of different fixation methods on oncium preservation in embryos, larvae and young salmon. L. D. Zhitenova, A. N. Zhitenov. Trudy MMBI no. 12-101-100 '66.

Microscopic anatomy of digestive tract in young salmon (Salmo salar L.). O. I. Kudachin. Trudy MMBI no. 12-112-119 '66.

Relationship of young salmon to different water salinity. T. I. Pivovarov. Trudy MMBI no. 12-54-58 '66.

## SALMON—PHYSIOLOGY

Amount of hemoglobin and erythrocytes in young salmon of various ages in a hatchery and after its planting in a river. I. N. Ostapenko. Trudy MMBI no. 12-176-186 '66.

Cellular composition of white and red blood in Atlantic and Baltic salmon (Salmo salar L.) embryos and changes in the process of body development. M. I. Verbitskiy. Trudy MMBI no. 12-119-162 '66.

Comparative morphological analysis of blood in young pink salmon from Sakhalin and Murmansk hatcheries and from natural spawning grounds. A. V. Bolov. Trudy MMBI no. 12-163-174 '66.

Early stage of gametogenesis in virginity salmon. G. I. Papisov. Trudy MMBI no. 12-7-14 '66.

Effect of radioactive water pollution on red blood in embryos and larvae of salmon (Salmo salar L.). G. V. Neustikov. Trudy MMBI no. 12-180-191 '66.

Materials on the biology of young pink and chum salmon in different environments. L. A. Galkina, L. I. Pechenikova. Trudy MMBI no. 12-176-183 '66.

## SALMON FISHERIES see subdivision under Khatanga River

## SALMONELLA

(see also subdivision under Turkmenistan)

Antigenic variants of Salmonella typhimurium produced under the influence of ultraviolet rays. Report No. 1. Isolation and identification. V. G. Petrovskaya, S. B. Prozorovskii, Chzhou Guan'guan, [Chou Kuan'guan]. Zhur. mikrobiol., epid. i immun. 33 no. 6-37-43 Je '62.

Epizootic Salmonella infection (Salmonella typhimurium) in pedigree pigeons. L. A. Khramtsova. Zhur. mikrobiol., epid. i immun. 33 no. 6-66 Je '62.

Growth of Salmonella typhi from patients with typhoid fever. E. N. Melikova. Zhur. mikrobiol., epid. i immun. 33 no. 6-55-58 Je '62.

Immunochemical studies on antigens from microbes of the typho-paratyphoid group incorporated in a chemical polyvalent vaccine of the Gamaleia Institute of Epidemiology and Microbiology. N. V. Khatunova, M. V. Milonova. Zhur. mikrobiol., epid. i immun. 33 no. 6-43-19 Je '62.

Phagocytosis of typhoid fever bacteria by macrophages of subcutaneous infiltrate. L. K. Dobudova. Lab. delo no. 1-15-17 '67.

Separation of individual antigens from complex surface antigen of paratyphoid B bacteria. R. N. Uvarova, K. K. Ivanov, L. G. Stepanova. Vop. med. khim. 12 no. 6-563-574 N-D '66.

Substitution of the conservant agent with selenite medium concentration in examination of excoriants for Shigella and Salmonella. T. I. Litnitskiy and others. Lab. delo no. 1-38-40 '67.

## SALMONELLA INFECTIONS

Effect of hypovitaminosis C on the course of experimental intestinal infections in monkeys. Z. K. Stashevich. Biol. eksp. biol. i med. 55 no. 6-52-58 Je '63.



## SCANDIUM—ELECTRIC PROPERTIES

Scandium electron emission and scandium. I. A. Ermalov, A. G. Gugin, Radiotekhnika i elektronika 11 no. 12 2257-2258 D '66

## SCANNING SYSTEMS

Some possibilities in image scanning. V. F. Vasil'ev, G. G. Vasil'ev, Izv. vuzov elektroniki 9 no. 5 666-687 S-O '66

## SCARABAEIDAE sec subdivision under Siberia

## SCARS see Ciculices

## SCATTERING (PHYSICS)

Algorithms for computing particle scattering. L. G. Ilyuk, I. A. Gura, Izv. AN SSSR, Ser. fiz. 70 no. 12 1280-1294 D '66

Change of parity in inelastic scattering. O. V. Shchukin, Ufr. fiz. zhur. 11 no. 11 1206-1207 N '66

Diffusion of radiation in plane layer with nonisotropic scattering. I. N. Minin, Astron. zhur. 13 no. 6 1244-1260 N-D '66

Log-log asymptotic form of Compton effect at large angle scattering. V. G. Gorskov, V. N. Gribov, G. V. Filolov, Zhur. eksp. i teor. fiz. 51 no. 4 1093-1106 O '66

Resonance scattering of slow particles by noncentral potential. L. A. Zhizhikov, Izd. fiz. 4 no. 5 1079-1092 N '66

Taking into account effects of virtual scattering in direct nuclear reactions. V. A. Kaminska, I. V. Orlov, I. S. Shapko, Zhur. eksp. i teor. fiz. 51 no. 4 1236-1250 O '66

Theory of nonlocal separable potential. O. V. Rokhunko, Ufr. fiz. zhur. 11 no. 11 1208-1214 N '66

Threshold behavior of partial scattering amplitude in Froissart's N/D method. H. M. Chernykh, Ufr. fiz. zhur. 11 no. 11 1172-1175 N '66

## SCHEDULING (MANAGEMENT)

Large method and problems of optimal resources allocation in network planning systems. E. P. Petrusheva, Avtom. i telemek. no. 12 115-125 '66

Mathematical modeling of processes in longwires as a method of scientific work organization. A. S. Astashev and others, Ugol. 41 no. 12 31-47 D '66

A new world record. N. A. Shevlyakov and others, Ugol. 41 no. 12 22-24 D '66

Solution of a problem on resources distribution using a quadratic programming method. A. A. Voronov, E. P. Petrusheva, Avtom. i telemek. no. 11 92-106 '66

Use of network schedule graphs in the main repairs of technological units. A. G. Aislanov, V. E. Tishchenko, Khim. i tekhn. topl. i masel. 11 no. 11 37-39 N '66

## SCHLITTE

Some characteristics of schelites containing molybdenum. V. N. Kruglova and others, Min. syr. no. 12 106-118 '66

## SCHIFF BASES

Precipitation and study of complexes of Schiff bases. E. M. Rasfina and others, Elektrokhemika 2 no. 11 1332-1335 N '66

Precipitation of Schiff bases of glucose and p-aminobenzoic acid ethyl ester. N. S. Kupitanova, V. M. Kiseleva, E. V. Shevtalova, Trudy VNIISNDV no. 7 131-132 '63

## SCHIRMACHER PONDS, ANTARCTICA—METEOROLOGY

Meteorological regime of Schirmacher Ponds. A. N. Arsen'ev, Inform. biol. Sov. antark. ek-p. no. 59, 27-31 '66

## SCHIRMACHER PONDS REGION, ANTARCTICA—ICE

Subglacial relief in the region of Schirmacher Ponds. P. A. Sirov, A. I. Frolov, Inform. biol. Sov. antark. ek-p. no. 59 50-54 '66

## SCHISANDRA

Determination of vitamin E in the oil of Schizandra chinensis. M. N. Shechebakova, Apt. delo 12 no. 1-33-36 Jan '63

## SCHISTOSOMIASIS

(see also subdivision under Iraq)

Clinical aspects and treatment of genitourinary schistosomiasis. N. S. Zait'ova, Med. paraz. i paraz. bol. 31 no. 5 530-533 S-O '62

Clinical aspects of intestinal schistosomiasis. V. K. Karimkhov, Sov. med. 29 no. 12 114-118 D '66

Larvectomy and its diagnostic importance in urinary schistosomiasis. E. G. Aslamazov, Med. paraz. i paraz. bol. 31 no. 5 533-538 S-O '62

## SCHISTS—ELASTIC PROPERTIES see subdivision under Sakhalin

## SCHIZOPHRENIA

Analysis of repeated admissions of patients with schizophrenia following amphetamine treatment. G. V. Mansurov, I. P. Popov, Zhur. nev. i psikh. 63 no. 1 119-123 '63

Characteristics of psychoses and character anomalies in families of schizophrenics. L. N. Vidmanova and others, Zhur. nev. i psikh. 65 no. 12 1848-1854 '66

Characteristics of the interaction of signal systems under the influence of Schizandra chinensis. V. V. Lavrovskii, R. S. Romanov, Zhur. nev. i psikh. 13 no. 4 601-609 J1-3g '63

Clinical aspects of late schizophrenia. F. A. Efendiev, L. V. Shcherba, Azerb. med. zhur. 10 no. 3-28-33 Apr '63

Clinical variations of the course of mixed forms of schizophrenia. T. P. Platonova, Zhur. nev. i psikh. 67 no. 1 96-102 '67

Comparative effectiveness of the treatment of schizophrenia with amphetamine and its combination with insulin. N. V. Vinogradov, N. K. Tkachenok, Zhur. nev. i psikh. 63 no. 1 112-113 '63

Data on pathogenesis of serum sickness in schizophrenia. H. A. Murzin, Zhur. nev. i psikh. 67 no. 1 83-87 '67

Defense and "stagnant" inhibition in schizophrenic patients. N. V. Vinogradov, Zhur. nev. i psikh. 62 no. 3 426-431 Nv-Je '62

Effect of single therapeutic doses of amphetamine on cerebral blood circulation in schizophrenia according to rethorographic data. T. A. Nizovskaya, H. A. Murzin, Zhur. nev. i psikh. 67 no. 1 123-125 '67

Organic brain disease in schizophrenia. T. S. B. Khatim, Zhur. nev. i psikh. 67 no. 1 113-118 '67

Possibility of the combined use of insulin and amphetamine for the treatment of schizophrenia patients. Report No. 1. V. P. Kutin, Zhur. nev. i psikh. 63 no. 1 111-118 '63

Premorbid characteristics of the personality and the initial period of the disease in periodic and mixed forms of schizophrenia. Sh. A. Muratbayev, Zhur. nev. i psikh. 67 no. 1 87-92 '67

Problem of schizophrenia taking an intermittently-progressive course. M. S. Popov, Zhur. nev. i psikh. 67 no. 1 107-112 '67

Psychopathological analysis of delirious seizures in periodic schizophrenia. G. I. Zait'sman, Zhur. nev. i psikh. 67 no. 1 93-96 '67

Some combined methods for treating schizophrenics resistant to amphetamine. V. F. Baranov, R. D. Kojan, P. A. Kuznetsov, Zhur. nev. i psikh. 67 no. 1 135-138 '67

Spatial synchronization of  $\alpha$ -activity in the cerebral cortex of patients with paranoid schizophrenia. V. G. Puskina, V. A. Tatavrinov, Zhur. nev. i psikh. 67 no. 1 75-83 '67

Treatment of schizophrenia with galactan (20-20 MD). G. I. Avramskii, I. A. Gurovich, I. A. Ateksanovskii, Zhur. nev. i psikh. 63 no. 1 87-91 '63

Treatment of schizophrenia with neuroleptic "waves". G. I. Zait'sman, G. N. Lenskii, V. E. Velsner, Zhur. nev. i psikh. 63 no. 1 108-114 '63

Use of chlorazepate in the treatment of schizophrenics. V. E. Galenko, O. N. Kuznetsov, Zhur. nev. i psikh. 63 no. 1 80-86 '63

Use of fluphenazine in the treatment of schizophrenics resistant to therapy. M. I. Tsutsul'kovskii, A. N. Smulevich, Zhur. nev. i psikh. 67 no. 1 130-133 '67

Variations (types) of recurrent schizophrenia. B. M. Kutsakov, Zhur. nev. i psikh. 67 no. 1 103-106 '67

## SCHILIEREN sec subdivision under Azerbaijan

The bull with reindeer horns. Ignati Ponomarev, Sem. i shkola 21 no. 11 31-36 N '60

## SCHOOL DISCIPLINE

Teaching the students to be irrefragable to misbehavior. N. V. Budakov, Sov. pedagog. 30 no. 6 65-70 Je '66

## SCHOOL EXCURSIONS

"A spark has kindled a flame." I. B. Bozhkova, Ist. SSSR 10 no. 6 198-199 N-D '66

## SCHOOL GROUNDS

Improving and landscaping the school grounds. V. Svidler, I. Rodichkin, Stroi i arkhit. 11 no. 8 16-18 Ag '63

## SCHOOL LIBRARIES

(see also subdivision under Leningrad)

It has to be remembered. V. Vorob'eva, Nar. obr. no. 12 61-63 D '66

Studying the reading interests of upper classmen of the schools for mentally handicapped children. L. M. Serova, Uch. zap. MGPI no. 210 140-142 '61

Teenagers and poetry. V. Razova, Bibliotekar' 41 no. 1 34-38 Ja '67

## SCHOOL MANAGEMENT AND ORGANIZATION

The classroom or a laboratory? B. Popovskii, Nar. obr. no. 12 63 D '66

Volunteer-staffed committees inspect the work of schools. V. Zhilina, I. Pizhikov, Agitator no. 2 54 Ja '62

## SCHOOL SUPERINTENDENTS AND PRINCIPALS

Interview with a young school principal (conclusion). B. Sukhomlinskii, Nar. obr. no. 12 23-29 D '66

## SCHOOLCHILDREN

Vasil'kov, G. A. [Gymnastics for children of the younger school age, collection of general exercises for school and home. A manual for teachers of the first to fourth grades and for parents] Gimnastika dlia detski mlaidshego shkol'nogo vozrasta, sbornik obshcherazvivalushchikh uprazhnenii dlia zaniatii v shkole i doma, Posobie dlia uchiteloi I-IV klassov i roditeloi, Moskva, Prosveshchenie, 1966, 140 p.

## SCHOOLHOUSES

Designing technical schools. V. Kurbatov, Arkhit. 57 no. 11 36-12 '66

School network in a residential area. R. Tikhon, Arkhit. SSSR no. 6 33-37 '63

## SCHOOLHOUSES—DESIGN AND CONSTRUCTION

(see also subdivision under Moscow; Moscow Province; Soviet Central Asia)

Consolidated school units for rural areas. N. Vello, Stroi i arkhit. 11 no. 8 15-16 Ag '63

School with open-air recreation facilities. I. Karabin, S. Klinger, Stroi i arkhit. 11 no. 8 12-11 Ag '61

Standard design for a school and its realization. I. D. Hushchinskii, Stroi i arkhit. 11 no. 8 10-11 Ag '61

Use of mathematical methods in regional distribution of buildings in a school complex. S. K. Sakhnov, Stroi i arkhit. 7 no. 11 31-37 N '66

## SCHOOLS

Bartonev, I. A. [Kindergartens, schools] Det'skie srady, shkolki, Leningrad, Khudozhnik RSFSR, 1966, 81 p. (Deti okruha i iskusstvo)

## SCHUBERT, FRANZ PETER, 1797-1828

Kremnev, B. G. [Schubert] Shubert, Moskva, Molodiy gvardiia, 1964, 300 p. (Zhizn' zamchatel'nykh liudei, Seriya bibliot. 18(302))

## SCIATIC NERVE

Effect of mediators on functional and morphological properties of the nerve trunk. H. S. Orlov, V. R. Skanov, Izv. AN SSSR Ser. biol. no. 3 130-140 Nv-Je '66

## SCIENCE—BIBLIOGRAPHY see Bibliography—Science

## SCIENCE—METHODOLOGY

The forms of scientific thought. A. G. Nikulina, Vest. Mosk. univ. Ser. I. Filol., 21 no. 5 19-25 S-O '66

Methodological problems in the systematization of natural sciences. I. V. Miturav, Trudy IPI no. 106 126-130 '66

## SCIENCE—PHILOSOPHY

Dialectics of scientific discoveries. B. M. Kediav, Vop. filoz. 20 no. 12 26-37 '66

Quantitative methods in studying the development of science. V. V. Naimov, Vop. filoz. 20 no. 12 11 47 '66

## SCIENCE—POPULAR WORKS

"Tavarka." V mire knig 6 no. 11 10-11 N '66

## SCIENCE AND COMMUNISM see Communism and science

## SCIENCE AND THE HUMANITIES

Psychology, the interdependence of sciences, and their system. Jean Piaget, Vop. filoz. 20 no. 12 5-7 '66

## SCIENCE AND RELIGION see Religion and science

## SCIENTIFIC LIBRARIES see subdivision under Estonia; Leningrad; Saratov

## SCIENTIFIC SOCIETIES

Centennial of scientific and technical societies. N. V. Lakshova, I. L. Cherniak, Gaz. puti, 11 no. 11 51-52 '66

For the 100th anniversary of the Scientific and Technical Societies. I. Kabanov, Zhur. nev. i psikh. 67 no. 1 120-121 '67

One hundredth anniversary of scientific and technical societies. D. N. Lazarev, Sovetskaya nauka 13 no. 1 1 1 Ja '67

Science and technology in the service of the fatherland: 100th anniversary of scientific and technical societies. Vest. svyazi 26 no. 11 28-29 N '66

## SCIENTISTS, WEST EUROPEAN see subdivision under United States

## SCINTILLATION COUNTERS

Use of scintillation radiometry for the study of the adsorption of electrolytes on colloidal materials. T. E. Khripunova, V. I. Urvov, Trudy VNIIR no. 51; 85-90 '65

## SCIENTISTS

Friendly cooperation of the historians of science and psychologists in studying the creative work of scientists and scholars. M. G. Gligor'ev, Vop. filoz. 20 no. 12 144-146 '66

Lives of remarkable people. V mire knig 6 no. 11 13 N '66

## SCIENTISTS, ARMENIAN

Attracting the old-time specialists in technology of the building of socialism in Soviet Armenia. A. K. Grigor'ian, Vest. obshchestva nov. AN Arm. SSSR no. 5 20-41 My '66

## SCRAP METALS

Using steel chips in steel smelting. N. A. Barinov and others, Lit. prav. no. 12 6-1 D '66

## SCRAPERS

The D-523 scraper with hydraulic control. N. I. Pecher'skikh, Stroi i arkhit. 6 no. 8 8-8 Ag '63

## SCREW CUTTING

Cutting thread in G13L hardened steel with taps. V. A. Zhil'ko, A. A. Koshlev Vest mashinosti 16 no 12 63-65 D '66.  
Manufacturing steel nipples. S. D. Boldyrev, V. I. Kuznetsov, Vest mashinosti 16 no 12-50-51 D '66

## SCRUBBER (CHEMICAL TECHNOLOGY)

Choice of an efficient system for the purification and utilization of sewage from wet gas purifiers of closed electric manganese-silicon furnaces. I. A. V. Dudin, A. V. Rokechevskaya, N. N. Askretkov Vod., kum., gidr. soot., no 1:115-121 '66  
Recovery of hydrogen cyanide from coke-oven gas with water in a scrubber with a jet nozzle plate. I. G. Pitt and others. Kokh. khim. no 6:38-41 '62.  
Some conditions for the clarification of the circulating water of scrubbers of electric manganese-silicon furnaces. S. P. Sukach and others. Vod., kum., gidr. soot., no 1:121-126 '66

SCULPIN see subdivision under Khatanga Gulf

SCULPTURE see subdivision under Yur'yev-Pol'skiy (Vladimir Province)

## SCULPTURE, HINDU

Mithuna's sculpture. V. Sidorova, Iskusstvo 26 no 10:63-70 '65

## SEA LEVEL

Stress current as one of causes of storm floods. R. N. Ivanov, Trudy Mor. gidrofiz. inst. AN URSR 37:100-106 '66.

## SEALING (TECHNOLOGY)

Necessity for hermetic sealing and suspending heavy liners of intermediate casing. M. A. Abdullayev, F. G. Khaima, Azerb. neft. khoz. 45 no 12:15-17 D '66.  
Vibration testing unit for testing end face seals of electrical insulators. E. N. Griskin, D. L. Bordugovskii, Mash. i neft. obsl. no 9:6-9 '66.

SEALS (ANIMALS) see subdivision under White Sea

## SEAMEN

Experience in the outpatient service for sea-going personnel of the Caspian steamship line. A. A. Kul'tev Azerb. med. zhur. 10 no 1:83-87 Ap '63.

## SEAMEN IN LITERATURE

People who live amidst storms. E. Charnova, V mire knig 6 no 12:23-21 D '66  
Taming the exotic places. O. Zhuravina, V mire knig 6 no 12:25 D '66.

## SEAPLANES

The end of one of the "91st", from two stories. I. Isakov, Nov. mir 39 no 3:142-158 Mi '63.

## SEARCH AND RESCUE OPERATIONS

Development of self-contained means of saving the personnel of a sunken submarine. A. O. Smukol, Mor. shch. 49 no 10:82-87 O '66

## SEARCHLIGHTS

Development of spot lights with quartz incandescent lamps and tungsten-iodine cycle. V. M. TSar'kov Svetotekhnika 13 no 1:20-24 Ja '67.

SEASHORE see subdivision under Black Sea

## SEASONAL VARIATIONS (DISEASES)

Statistical methods for analyzing the seasonal character in the onset of infections. B. L. Cherkasnik, N. V. Likhovidov Zhurn. mikrobiol., opid i immun. 43 no 11:115-122 N '66

## SEAWATER—COMPOSITION

Observations on content of chlorophyll (a) in season of surface layer of seawater. S. R. Z. Kovalevskaya, A. P. Ostapenko, Okeanologiya 6 no 5:849-852 '66.

## SEAWATER—OPTICAL PROPERTIES

(see also subdivision under Black Sea)  
Experimental study of photic field in turbid media. V. A. Timofeeva, Trudy Mor. gidrofiz. inst. AN URSR 37:20-42 '66.

## SEAWATER, DISTILLATION OF

Astrator, N. A. [Demineralization and deaeration of water on ships] Oprezhenie i dekaratsia vody na sudakh. Leningrad, Sudostroenie, 1966. 266 p.

## SEBACEOUS GLANDS—DISEASES

Local treatment of seborrhea with sulsen. M. A. Rozen-tul, A. A. Studintsin, P. E. Maslov, Vest. dermat. i ven. no 12:82-84 '62.  
Treatment of exsudative-catarrhal diathesis in newborn infants. A. N. Geldarov, Azerb. med. zhur. 40 no 9:67-69 S '63.

## SECOND BAKU—PETROLEUM GEOLOGY

Importance of paleohydrogeological conditions in estimation of oil and gas prospects. E. F. Stankevich, L. S. Tabatskii Geol. neft. i gaz 10 no 11:35-38 N '66

## SECOND BAKU—PETROLEUM INDUSTRY

Characteristics of the future development of the petroleum industry of the Ural-Volga region. M. G. Dasayev, S. P. Nikonov, Ekon. nefteob. prom. no 5:16-21 '66.

## SECOND BAKU—WATER, UNDERGROUND

Importance of paleohydrogeological conditions in estimation of oil and gas prospects. E. F. Stankevich, L. S. Tabatskii Geol. neft. i gaz 10 no 11:35-38 N '66

SECONDARY EDUCATION see Education, Secondary

## SECONDARY ELECTRON EMISSION

Anomalous secondary electron emission from alkali halide dielectrics in ultrasonic fields. Part 2. V. Konev, Izv. AN SSSR, Ser. fiz. 30 no 12:1906-1911 D '66.  
Influence of mechanism of electron emission from semiconductor and dielectrics. E. I. Tolpygo, K. B. Tolpygo, M. K. Shul'man, Izv. AN SSSR, Ser. fiz. 30 no 12:1901-1905 D '66.  
Change in characteristics of beryllium oxide layers brought about by an electron beam. A. M. Titukov, Izv. AN SSSR, Ser. fiz. 30 no 12:1895-1900 D '66.  
Characteristics of secondary electron emission from layers of beryllium oxide on alloys subjected to selective oxidation. A. M. Titukov, Izv. AN SSSR, Ser. fiz. 30 no 12:1888-1894 D '66

Secondary electron emission of scandium. L. A. Eimalaev, A. A. Gugin, Radiotekhnika i elektronika 11 no 12:2257-2258 D '66

Some special features of field dependent shot-through secondary electron emission. N. L. L'Anopol'skii, A. P. Balashova, N. S. Loshkina, Radiotekhnika i elektronika 11 no 12:2250-2260 D '66

Studying secondary electron emission from porous cathodes, intensified by electric field. N. L. L'Anopol'skii and others, Izv. AN SSSR, Ser. fiz. 30 no 12:1882-1887 D '66.

## SECONDARY RECOVERY OF OIL

Calculation of economic effectiveness of secondary recovery methods. R. K. Glandzhantsev, Azerb. neft. khoz. 45 no 9:47 S '66

## SECRETION

Correlation between the strength of the nervous system and the dimension of unconditioned food secretory reflexes. L. P. Rudenko, Zhurn. vyzn. nerv. deiat. 13 no 4:605-608 Ji-Ag '63

Modification of vasomotor and secretory conditioned and unconditioned reflexes in acute radiation sickness. M. G. D. A. P. I. P. I. Zhurn. vyzn. nerv. deiat. 12 no 3:521-529 My-Je '62.

## SECTS

(see also subdivision under Latvia)  
Grudin, N. N. [Jehovism and children] Iegovizm i deti. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1965. 50 p.

## SEDGES

Carex brunneascens (Pers.) Poir. in Central Russia. I. U. E. V. V. S. Novikov, Vest. Mosk. un. Ser. 6: Biol., pochv. 21 no 4:69-72 Ji-Ag '66

SEDIMENTARY ROCKS see Rocks, Sedimentary

## SEDIMENTATION AND DEPOSITION

(see also subdivision under Rybinsk Reservoir region; Tadzhik River)

Analytic studies of sediment accumulation in geosynclinal basins as revealed by a study of the sedimentation of indigenous flysch. M. V. Il'inskiy, Izv. vyzn. ucheb. zav., geol. i razv. 6 no 6:35-41 Je '66

Densitometry of sand and its role in formation of sediments. E. A. Lushnikov, Nauch. trudy Perm. politekh. inst. no 12:30-46 pt 1 '62

Diagram of the correlation of the thicknesses of the layers of elementary sedimentation cycles. V. V. Rabeov, Geol. i geofiz. no 9:120-124 '63

Khachatryan, A. G., Kh. Sh. Shapiro, and Z. I. Sharova.

[Silt and washing of irrigation settling basins and reservoirs] Zashchita i piomyv irrigatsionnykh otdolnikov i vodokhranilisheh. Moskva, Kolos, 1966. 236 p.

## SEED ADULTERATION AND INSPECTION

Rights of seed inspectors. L. Koznchikov, Zemledelie 28 no 11:76 N '66

## SEED PRODUCTION

(see also subdivision under Latvia)  
Fundamental principle of large crops. N. Seveda, Zemledelie 28 no 11:34-35 N '66.  
Restore the past glory. A. Beova, Zemledelie 28 no 11:34 N '66.

Seed production of lotus species. S. V. Afrikhan, Razv. res. 2 no 4:549-556 '66.

Selected high quality seeds. G. Vakhitov, Zemledelie 28 no 11:32-33 N '66.

Ways for improving the quality of vegetable crop seeds. A. S. Fedanova, Zap. LSKH 96:204-200 '65.

## SEEDLINGS

Dudorov, M. A., and G. L. Chobit'ko. [Seedling growing] Vynashchivanie seimlitsov. Saratov, Privolzhskoe knizhnoe izd-vo, 1966. 89 p.  
(DNAL)

## SEEDS

(see also subdivision under Kamovets-Podol'skiy)

Pay attention to seeds. P. Zabazny, Zemledelie 28 no 11:20-20 N '66.

Sowing row crop seeds by single-seed planting apparatus. F. G. Gushitsky, A. T. Koshnikov, Zap. LSKH 96:210-216 '65.

## SEEDS—CLEANING

Methods for determining the friction angle of seeds on working surfaces. M. V. Kireev, A. S. Fedanova, R. K. Mit'kin, Zap. LSKH 96:189-198 '65.  
Sifting of seeds. N. I. Shchukina, Zap. LSKH 96:190-203 '65.

## SEEDS—DISINFECTION

Dry and sandy thermal disinfection of seeds. K. I. A. Kalashnikov, Zashch. rast. 11 no 12:32-34 '66

## SEEDS—DRYING

Important reasons. H. Savv, A. Lagovskii, Zemledelie 28 no 11:32-33 N '66

## SEEDS—MOISTURE

Postirradiation recovery following irradiation of seeds of different moisture. E. V. Fesenko, N. A. Poladkova, Radiobiologiya 6 no 5:731-710 '66

## SEEDS, EFFECT OF RADIATION ON

Effect of pre-sowing irradiation of seeds with ultraviolet rays. T. N. Godnev, I. V. Kakhovskiy, Dokl. AN BSSR 10 no 9:695-697 S '66

## SEGALOVA, EVGENIA EFIMOVNA, 1917-1966

E. E. Segalova, a Doctor in Chemical Sciences. Koll. zhur. 28 no 6:1917-1966 N-D '66.

## SEGEL', IAKOV

Segel', Iakov. [Iakov Segel'; his films and stories] Iakov Segel' ego fil'my i rasskazy [Moskva, Iskustvo, 1966] 231 p. illus.

## SEIFULIN, KHAMID MUKHAMEDZANOVICH, 1903-

Kh. M. Seifulin's 80th birthday. Uch. zap. Tur. nauch.-issl. inst. tuz. i lit. ist. no 10:236-237 '63.

## SEISMIC PROSPECTING

(see also subdivision under Altai Mountains; Bayram-Ali District; Carpathian Mountain region; West Siberian Plain)

Air drilling in seismic prospecting. P. E. Efremov, V. M. Shorov, Razv. i okh. neft. 28 no 3:48-50 Mi '63.  
Calculating the effect of the curvilinearly of a rock acting boundary when interpreting seismic sounding data. S. V. Krylov, N. N. Puzryev, Geol. i geofiz. no 11:3-17 '63.

Conducting seismic operations by the method of a plane front on dissected topography. I. U. A. Vasil'ev, M. I. Chayvonskii, Nauch. zap. LPI no 80:92-102 '62.

Conference on the development of deep seismic sounding methods. K. A. Kosovskiy, V. Z. Rabot, Izv. AN Tur. SSR, Ser. fiz.-tekh., khim. i geol. nauk. no 2:125-126 '61.

Determination of parameters of unbroken media by non-longitudinal hodographs. A. S. Kofeli, Geol. i geofiz. no 9:128-130 '66

Determining correlations between seismic prospecting and boring is a problem in the theory of strategic games. I. G. Klushev, Zap. LSKH 50 no 2:74-88 '66

Interpretation of hodographs of reflected-diffracted waves. R. A. Veltman, Izv. AN Kazakh SSR, Ser. geol. 23 no 3:83-92 S-O '66.

Interpretation of surface travel time curves in reflected wave methods. L. D. Ralkher, I. I. Kharaz, Nauch. zap. LPI no 80:79-87 '62

Interpreting the dependence of elastic wave velocity on depth in a geological cross section. G. I. Patkovich, Nauch. zap. LPI no 80:109-116 '62.

Investigating interference waves in seismic prospecting using the plane front method. L. D. Ralkher, I. U. A. Vasil'ev, I. I. Kharaz, Nauch. zap. LPI no 80:115-117 Ja-Mi '63.

New methods of seismic study of the earth's crust. N. N. Puzryev, Vest. AN SSSR 38 no 12:21-26 D '66.

Noise-proof features of temporary criteria of phase correlation of seismic waves. S. V. Gol'din, Geol. i geofiz. no 9:103-115 '66

Solution of an inverse problem in seismic prospecting by methods of interference analysis. I. U. V. Timoshin, Nauch. zap. LPI no 80:30-50 '62

Solving the kinematic problem for central rays in case of a curvilinear interface. I. U. A. Vasil'ev, Nauch. zap. LPI no 80:88-94 '62.

Study of structure of earth's crust and upper mantle using "Zemlya" seismic station. I. V. Pomerantseva, Bhl. MOIP, Otd. geol. 41 no 4:149 Ji-Ag '66.

Use of seismic sounding in regions with sloping angles of inclination of layers. L. D. Ralkher, I. I. Kharaz, Nauch. zap. LPI no 80:71-78 '62.

Ways for increasing the accuracy of the calculation of the nonuniformity of the upper formation in seismic prospecting. I. I. Gurvich, V. M. Glagolevskiy, Izv. vyzn. ucheb. zav., geol. i razv. 6 no 6:114-120 Je '63.

## SEISMIC WAVES

(see also subdivision under Balkal Lake region)  
Effect of complex interfaces on dynamics of refracted waves. A. N. Bezrodinov, Uzb. geol. zhur. 10 no 6:76-78 '66.



## SEISMIC WAVES (Continued)

Theory of recording long-period waves by a photoelectric seismic filter. N. I. Ionchev. Izv. AN Turk SSR Ser. fiz.-tekhn. khim. i geol. nauk no. 4:37-41 '62

## SEISMIC WAVES—SPEED

Interpreting the dependence of elastic wave velocity on depth in a geologically cross section. G. I. Petukhov. Zhur. anal. khim. 21 no. 80:10-11 '62

Seismic wave velocities in the city of Chirchik. G. I. Petukhov. Zhur. anal. khim. 21 no. 80:103-104 '62

## SEISMOLOGICAL RESEARCH

Use of models in studying the seismic stability of earth-work units. B. I. Pavlov. Izv. AN Turk SSR Ser. fiz.-tekhn. khim. i geol. nauk no. 6:36-41 '62

## SEISMOLOGY

(see also subdivision under Soviet Far East)

Theory of fluctuations in seismic conditions. A. P. Farkhaliyev. Dokl. AN Turk SSR no. 12:20-23 '62

Continuous spectrum of seismic waves. N. F. Grin. Zhur. anal. khim. 21 no. 80:58-70 '62

Determination of the epicenters of distant earthquakes by polarizing reflecting epicenters. A. A. Tieslov. Geol. i geofiz. no. 11:128-131 '63

Relation between inclinations of the earth's surface earthquakes and temperature. N. N. Ionchev. Izv. AN Turk SSR Ser. fiz.-tekhn. khim. i geol. nauk no. 4:42-46 '62

[Semiannual catalog of data on seismology, tsunamis, and gravity, received by the World Data Center B] Shestimes' kat. dan po seism., tsun. i grav. July-Dec 1965, publ. '66

## SEISMOMETERS

Theory of recording long-period waves by a photoelectric seismic millimeter. N. N. Ionchev. Izv. AN Turk SSR Ser. fiz.-tekhn. khim. i geol. nauk no. 4:33-41 '62

## SEISMOLOGY

(see also subdivision under Balkan Late region)

Theory of the interpretation of isolated seismic observations. N. N. Puryev. Geol. i geofiz. no. 6:66-82 '63

## SELENITES

Heat of transition of a nonequilibrium (amorphous) form of cadmium selenite to an equilibrium form. Z. L. Leshchinskaya, N. M. Selivanova. Trudy MKhIT no. 41:22-25 '63

## SELENITES—THERMODYNAMICS

Thermodynamic properties of cadmium selenite. Z. L. Leshchinskaya, N. M. Selivanova. Trudy MKhIT no. 41:18-21 '63

## SELENIUM

Increasing the recovery yield of selenium. A. F. Mindel, L. P. Unglind. Bum. priro. 37 no. 4:19 Ap '62

Selenium-tellurium electrophotographic layers. S. G. Gerasimov, I. U. Chertasov. Zhur. nauch. i prikl. fiz. i khim. 7 no. 2:121-127 Mar-Apr '62

## SELENIUM—ANALYSIS

Determination of selenium in organic substances by combustion method in flask filled with oxygen. Kh. I. A. Khus, L. A. Lipp. Zhur. anal. khim. 21 no. 10:1266-1268 '66

Potassium tellurite titration of selenium (IV) with potassium iodide solution. L. B. Agastan, E. R. Nikolaeva, P. K. Agastan. Zhur. anal. khim. 21 no. 12:1470-1474 '66

1,4-Diphenylthioselenic acid as reagent for selenium. S. G. Sushkova, V. I. Murashova. Zhur. anal. khim. 21 no. 12:1475-1480 '66

## SELENIUM—THERMAL PROPERTIES

Heat conductivity of amorphous selenium in region of softening. S. L. Mekhteva, D. Sh. Abdinov, G. M. Aliev. Vysokom. soed. 8 no. 10:1665-1668 O '66

## SELENIUM—PRASEODYMIUM ALLOYS

Praseodymium-selenium alloys

## SELENIUM SULFIDES—THERAPEUTIC USE

Local treatment of seborrhea with selen. M. A. Rozen-tut, A. A. Studnitsin, P. E. Maslov. Vest. dermat. i ven. no. 12:62-64 '62

## SELENIOSULFATES

Cathodic pulse polarography with storage. Determination of tellurite and selenosulfate. B. A. Kaplan, A. S. Reza-kova. Zhur. anal. khim. 21 no. 10:1268-1271 '66

SELLAITE see subdivision under Uzbekistan

## SEMANTICS

Dualism in linguistic symbols. L. Z. Sova. Nar. Az. i Afr. no. 6:91-98 '66

## SEMEN

Change in the state of carbohydrate and fat metabolism and the indices of sperm production in breeding bulls under the effect of various ratios of nutrients in feed rations. E. P. Vashchekhin. Trudy Un. duz. nar. 14 Ser. khim. i geol. nauk no. 1:229-245 '66

Free amino acids and the quality of the sperm of herd bulls. A. P. Kurochov. Trudy Un. duz. nar. 14 Ser. khim. i geol. nauk no. 1:246-256 '66

## SEMIN—MICROBIOLOGY

Survival of Trichomonas fetus in frozen bull sperm. V. P. Paryusov. Veterinaria 13 no. 11:77-78 N '66

## SEMICARBAZIDE

1,4-Diphenylthiosemicarbazide as reagent for selenium. S. G. Sushkova, V. I. Murashova. Zhur. anal. khim. 21 no. 12:1475-1480 '66

## SEMICARBAZONES

Shape of polarographic waves of semi- and thiosemicarbazones. G. B. Rudnikov, S. U. Baigal'dina, R. P. Kiselev. Elektrokhimiya 2 no. 11:1263-1268 N '66

## SEMICONDUCTOR DIODES

see Diodes, Semiconductor

## SEMICONDUCTORS

Calculation of the  $\alpha$ -parameter of the voltampere characteristic of a metal-semiconductor contact. Radiotekhn. i elektron. 11 no. 11:2002-2005 N '66

Change of short-range order structure in melts formed by magnesium compounds with group IV elements on heating. V. M. Glazov, N. N. Glagoleva, L. A. Romantseva. Izv. AN SSSR, Neorg. mat. 2 no. 11:1053-1060 N '66

Effect of excitation level on excited conductance of thin  $Al_2O_3$  layers. N. L. Lashopol'skii, N. S. Loshkova, A. P. Balashova. Radiotekhn. i elektron. 11 no. 12:2265-2267 D '66

Effect of internal field on diffusion in semiconductors. N. M. Bordin, A. M. Vasil'ev, D. A. Popov. Fiz. tverd. tela 8 no. 7:2248-2250 Ji '66

Effect of temperature on the impact ionization factor of carbonyl. N. L. Lashopol'skii, A. P. Balashova, N. S. Loshkova. Radiotekhn. i elektron. 11 no. 12:2261-2262 D '66

Emission of hot electrons from polar semiconductors with nonparabolic dispersion. N. N. Gulyaev, I. M. Dyman, P. M. Tomchuk. Izv. AN SSSR, Ser. fiz. 30 no. 12:1927-1929 D '66

Growth and properties of ribbon-shaped dendrites of semiconductors. L. P. Kalnash. Rost krist. 8:365-373 '65

High-frequency electroluminescence of semiconductor crystals. I. A. Okman, V. N. Smirnov. Fiz. tverd. tela 8 no. 7:2001-2010 Ji '66

Local states in semiconductors with narrow forbidden band. V. I. Sheka, D. I. Sheka. Zhur. eksp. i teor. fiz. 51 no. 5:1445-1456 N '66

Operation of thyristors in low-power stabilized rectifiers. E. I. Kiselev. Elektrotehnika 37 no. 12:28-32 D '66

Optical width of forbidden zone. Tin halides and chalcogenides. S. S. Batsanov, S. S. Derbeneva, N. A. Shestakova. Izv. AN SSSR, Neorg. mat. 2 no. 12:2251 D '66

Parallel operation of thyristors. R. O. Zhabodskii, I. U. M. Bykov. Elektrotehnika 37 no. 12:32-34 D '66

Phenomenon of self-compensation of impurities in germanium. E. R. Sokolov, V. K. Prokof'eva, G. G. Glavin. Izv. AN SSSR, Neorg. mat. 2 no. 12:2262 D '66

p-photoconductance and negative resistance of p-n junctions in SiC. G. N. Violina, G. F. Kholodanov. Radiotekhn. i elektron. 11 no. 11:2034-2038 N '66

Preparation and semiconductor properties of  $In_2S_3$  single crystals. N. I. Korsunskaya and others. Izv. AN SSSR, Neorg. mat. 2 no. 11:1048-1052 N '66

Preparation and some properties of semiconductor compounds  $ZnSnP_2$  and  $CdSnP_2$ . G. V. Loshkova and others. Izv. AN SSSR, Neorg. mat. 2 no. 11:1066-1069 N '66

Properties of p-n junctions subject to the action of a sinusoidal voltage with random amplitude (small injection level). V. A. Shpir, Radiotekhn. i elektron. 11 no. 12:2209-2216 D '66

Similarity of p-n junctions in semiconductors. V. S. Cherepanov, K. M. Kul'kin. Radiotekhn. i elektron. 11 no. 12:2287-2288 D '66

Some physical properties of semiconductor compound  $CdSiP_2$ . A. G. Bychkov and others. Izv. AN SSSR, Neorg. mat. 2 no. 11:2078-2079 N '66

Straight branch of the voltampere characteristics of p-n junctions with p-type indium antimonide base. V. V. Galavanov, U. Zilakhanov, D. N. Nayidov. Radiotekhn. i elektron. 11 no. 11:2039-2043 N '66

Structure of photoconductivity zone of  $ZnSiP_2$ . N. A. Gorlunova, S. S. Gulyaev, L. B. Zlatkin. Izv. AN SSSR, Neorg. mat. 2 no. 12:2125-2129 D '66

Study of overload capacity of VDKU-aeriles thyristors. I. S. Efremov and others. Elektrotehnika 37 no. 12:34-36 D '66

Study of some alloyed metal-germanium contacts. K. F. Komarovskii, V. I. Stafeev. Radiotekhn. i elektron. 11 no. 12:2200-2208 D '66

Study of systems  $Sb_2S_3$  - Bi,  $Te_2$ ,  $Sb_2Te_3$  -  $Bi_2S_3$ . N. M. Bondar'. Izv. AN SSSR, Neorg. mat. 2 no. 12:2248-2250 D '66

Study of the switching-on of silicon p-n-p structures. V. E. Chelnokov, V. B. Shuman, N. I. Iakivchik. Radiotekhn. i elektron. 11 no. 12:2217-2219 D '66

Theory of unipolar space-charge limited nonstationary currents in a solid. M. N. Gushchin. Radiotekhn. i elektron. 11 no. 11:2024-2033 N '66

Thermal N-type negative resistance. V. I. Semakovich, V. I. Stafeev. Radiotekhn. i elektron. 11 no. 11:2047-2052 N '66

Using semiconductor in transposition. Zhel. dan. inap. 48 no. 10:79-80 O '66

## SEMICONDUCTORS—ELECTRIC PROPERTIES

Method of calculating the distribution of specific resistance along the length of crystals in mutual transport of donor and acceptor impurities into semiconductor crystals grown by Czochralski method. B. M. Lurovskii, V. M. Nikitin. Izv. AN SSSR, Neorg. mat. 2 no. 12:2409-2415 D '66

Passage of current through semiconductor with impurities or defects producing deep levels. G. M. Averbukh. Izv. AN SSSR, Neorg. mat. 2 no. 11:1048-1050 '66

Theory of curves of electrification of ionic semiconductor. N. S. Aralov. Dokl. AN SSSR 6 no. 6:553-555 O '62

## SEMICONDUCTORS—OPTICAL PROPERTIES

Comparison of optical and photoelectric studies of  $ZnSiP_2$  single crystals. I. B. Zlatkin, I. V. Novikov. Izv. AN SSSR, Neorg. mat. 2 no. 12:2255-2257 D '66

## SEMICONDUCTORS—PHOTOELECTRIC PROPERTIES

Formation of photo-emf in homogeneous semiconductor on interface of regions with various degrees of optical impurity ionization. V. V. Vasyunov, I. A. Zhabitskiy, L. G. Paitel'skii. Fiz. tverd. tela 8 no. 7:2240-2242 Ji '66

Surface photo-emf in semiconductors with short lifetime of minority current carriers. M. L. Dmyatlov, V. G. Zulev. Ukr. fiz. zhur. 11 no. 11:116-118 N '66

## SEMICONDUCTORS—RESEARCH

see subdivision under Shavalo (Leningrad Province)

## SEMICONDUCTORS—THERMOELECTRIC PROPERTIES

Thermoelectricity in semiconductors in strong magnetic fields. R. G. Tikhonov, Izv. AN SSSR, Fiz. i khim. 2 no. 2:66-71 '66

## SEMPALATINSK—VETERINARY RESEARCH

Anniversary graduation of veterinarians. I. S. Bushakov. Veterinaria 13 no. 11:101 N '66

## SENEGAL—LAWYERS

Victims from Senegal. Sol. zhuk. 41 no. 12:68-69 D '66

## SENEGAL—VISITORS

see Visitors, Senegalese

## SENSES AND SENSATION

Dynamics of sensitivity in burn disease. K. D. Shchegoleva. Vop. psichol. 12 no. 6:95-102 N-D '66

## SENSORY DEPRIVATION

Effect of functional elimination of the afferent visual nerves on the electrical activity of the cortex and reticular formation of the rabbit brain. L. A. Novikova, V. I. Bolotov. Zhur. vys. nerv. deiat. 13 no. 1:715-720 Ji-Ag '63

Status of stress and fatigue under conditions of isolation from external stimuli. F. D. Goshov, V. I. Miasnikov, V. I. Izodovskii. Zhur. vys. nerv. deiat. 13 no. 1:515-519 Ji-Ag '63

## SEPARATORS (MACHINES)

Approximate calculation of electromagnetic shunt-type separators. K. I. Vashchenko and others. Elektrotehnika 37 no. 12:48-50 D '66

Effect of intermediate throttling on the thickening of the yeast concentrate in the nozzle. Z. R. Krut'ko, Gidrol. i lesokhiz. prom. 15 no. 1:10-19 '62

Using hydrocyclones at a graphite beneficiation plant. N. A. Vaininov and others. Obog. i ud. 11 no. 3:36 '66

Vsesoyuzny nauchno-issledovatel'skii institut okhrany tuda. (Methods instructions on the calculation and design of units for pneumatic removal of wastes from the FT-2 two-stage filters) Metodicheskie ukazaniya po raschetu i projektirovaniu ustanoek dlia pnevmaticheskogo udaleniya ugarov ot dvukhsupenchatykh filterov FT-2. Ivanovo, 1965. 23 p. [MICROFILM]

## SEPARATORS (MACHINES)—DESIGN AND CONSTRUCTION

Rotary magnetic filter separators for wet concentration of finely ground, weakly magnetic ores. V. G. Berkuh, T. N. Galeskaya, M. L. Leibson, G. R. Zhur. no. 11:62-66 N '66

## SEPHADEX

Distribution of light meromyosin in DEAE-Sephadex column. T. B. Kofman, V. P. Nankina. Biokhimiya 31 no. 6:1071-1079 N-D '66

Separation of lactic dehydrogenase protein components in normal and pathologic serum by DEAE-sephadex. Ch. N. Abbaikov, Kh. M. Rubina. Vop. med. khim. 12 no. 6:578-581 N-D '66

## SERAKHS (TURKMENISTAN)—MICROPALAEONTOLOGY, STRATIGRAPHIC

Microfauna from Turkmen layers in the Sorakhs region. M. A. Tschuk, Z. D. Kulikov, M. I. Raevskii. Izv. AN Turk. SSR, Ser. fiz.-tekhn. i khim. i geol. nauk no. 6:84-93 '62

## SERFDOM

The way to establish the burden of monetary payments to landowners imposed on the peasantry of the central regions of Russia in the late 18th and the first half of the 19th century. P. G. Rynd, Leningrad, USSR. 10 no 6 44-64 N-D '66

## SERIES

Expansion of the direct product or representations of the discrete unitary series D<sub>1</sub> of L<sub>1</sub> group. S. S. Fainitov. Dokl. AN SSSR 171 no 5 1059-1060 D '66

Improving the convergence of Laguerre series. V. V. Anisimov, Zh. Nauch. baev, Vest. AN Kazakh SSR 22 no 12 63-69 D '66

**Sebrovskina, K. V., and V. G. Kulagin.** [Variational series and their characteristics. The selective method, lectures in a course of higher mathematics with the fundamentals of mathematical statistics, Themes I and II] Variatsionnye i lady i ikh kharakteristiki. Vyborochnyi metod, lektsii po kursu vysshej matematiki s osnovami matematicheskoi statistiki. Temy I i II. [Moskva] Profizdat, 1968, 78 p.

[MICROFILM]

## SERODYE, LAKE—BACTERIA, SULFUR

Microbiological sulfur formation in Lake Seroye. G. A. Sokolova. Mikrobiologiya 31 no 2 324-327 Mr-Apr '62

## SEROLOGY

Detection of antibodies to the monkey virus (SV<sub>40</sub>) in human sera. Serological evidence of infection from monkeys and kidney cultures. M. A. Chumakova and others. Vop. virus, 8 no 1 457-160 Ji-Ag '63.

Dynamics of serological indices of immunity in animals immunized with vaccines against tick-borne encephalitis. D. K. L'vov, V. A. Zaklinskaya, K. V. Fokina. Vop. virus, 8 no 4 420-127 Ji-Ag '63.

Dynamics of serological indices of immunity in human subjects after vaccination with tissue culture vaccine against tick-borne encephalitis. D. K. L'vov, V. A. Zaklinskaya, M. P. Chumakova. Vop. virus, 8 no 4 427-433 Ji-Ag '63.

Dynamics of serological shifts in children vaccinated with live poliomyelitis vaccine from Sabia strains. G. P. Tarasova. Vop. virus, 8 no 1 109-115 Ji-Ag '63.

Experimental study of the susceptibility of small mammals to various serological types of leptospirosis. Report No. 1. Susceptibility of white mice to Leptospira grippityphosa and munita, authors' abstract. L. P. Semenova, I. G. Chetumskaya. Zhur. mikrobiol., epid. i immu. 33 no 6 94-95 Je '62.

Method of obtaining polyvalent sera against Coxsackie and ECHO viruses. Z. F. Zubova, N. M. Gordienko, T. R. Borutskaya. Trudy Moskv. nauch.-issl. inst. virus. prep. no 3 200-217 '65

Serological characteristics of protein and polyanthracene fractions of complex antigen isolated from leptospirosis. A. S. Samodov, Zhur. mikrobiol., epid. i immu. 43 no 11 13-17 N '66.

Use of methods based on interference between tick-borne encephalitis and poliomyelitis viruses in human embryo tissue culture for serological surveys of human subjects. A. D. Altsheln and others. Vop. virus, 8 no 4 392-397 Ji-Ag '63.

Use of various laboratory animals in obtaining type-specific sera against group B Coxsackie viruses. N. M. Gordienko, Z. F. Zubova, T. R. Borutskaya. Trudy Moskv. nauch.-issl. inst. virus. prep. no 3 201-208 '65

Virological and serological data on latent infection caused by the SV<sub>40</sub> virus in Macaca thersia monkeys. G. I. Kollinskaya. Vop. virus, 8 no 4 450-459 Ji-Ag '63.

## SEROLING—CONGRESSES

**Mezhinstitskaya nauchnaya konferentsiya pamyati L. A. Tarasovicha, 1965.** [Materials of the Inter-Institute Scientific Conference in Memory of L. A. Tarasovich, strains, vaccines, sera and antibodies] Materialy, shlamy, vaktsiny, syvorotki i antibiotiki. Moskva, Gos. kontrol'nyi in-t med. biologicheskikh preparatov, 1965, 365 p.

[DNLM MICROFILM]

## SEROTONIN

Effect of polymyxin M on the content of histamine and serotonin in the blood and tissues in rats. S. T. Filippovskaya. Antibiotiki 11 no 11 1011-1017 N '66

Participation of the cytochrome system in serotonin oxidation in cardiac mitochondria in rabbits. A. M. Zubovskaya. Vop. med. khim. 12 no 6 642-644 N-D '66.

Problem of serotonin and cancer. E. Ch. Pukhnitskaya. Vest. AN SSSR 15 no 12 61-72 '60.

## SEROTONIN METABOLISM

Effect of glucocorticoids on serotonin metabolism in patients with eczema and neurodermatitis during treatment with adrenocortical preparations. I. A. Shkharimelster and others. Trudy 1-go MMI 43:184-188 '63.

## SERUM

Complexing of tetracyclines with different components of blood serum. G. I. Kivman, R. P. Porfir'eva, A. V. Kosolapova. Vop. med. khim. 12 no 6 594-597 N-D '66.

Preparing hyperimmune influenza pneumonia and adenoviral serums. N. N. Orlova and others. Vop. virus 11 no 5 551-554 S-O '66

Separation of lactate dehydrogenase protein components in normal and pathologic serum by DEAE-cellulose. O. N. Ushakovskaya, Kh. M. Rubina. Vop. med. khim. 12 no 6 578-581 N-D '66

Use of pregnant mare's serum and erythrocyte mass in sterility of cows. L. L. IAKhachuk. Veterinariia 43 no 1 79-80 Ja '67

## SERUM ALBUMIN

Effect of a series of substances on photochemiluminescence of serum albumin solutions. I. I. Sapozhnikov, F. G. Dmitrova. Radiobiologiya 6 no 5 616-650 '66

## SERUM DIAGNOSIS

Diagnostic significance of the determination of embryo-specific alpha globulin in the blood serum of patients with hepatitis. I. U. S. Tatarinov, A. M. Nogalits. Vop. onk. 12 no 12 26-29 '66.

Immunodiagnosis of the thrombocytopenic syndrome. N. I. Gromatskii. Probl. gemat. i perel. krovi 8 no 2 10-18 F '63

Kinkelin phenol test in atherosclerosis. V. A. Tikhonravov, L. L. Gladkova. Lab. delo no 1 43-15 '67.

Lapinized antigen for diffuse precipitation reaction in foot-and-mouth disease. A. P. Proskakov, A. G. Lubashnikov, A. I. Dmitriyev. Veterinariia 43 no 1 26-27 Ja '67

Materials from a serological study of farm animals for leptospirosis in Tyukalinsk District, Omsk Province. I. K. Chulovskii. Sbor. nauch. rab. SibNIV 1 no 1 65-168 '62

New method of conglutination reaction for the detection of group factor G<sub>1</sub> in human blood. M. I. Potapov. Lab. delo no 1 7-9 '67.

Obtaining diagnostic serum against type C Clostridium perfringens. L. P. Zemlinskaya, K. I. Mal'cev, Zhur. mikrobiol., epid. i immu. 43 no 11 52-56 N '66

Plasmacyte reaction in the body of infected animals. V. A. Nikiforov. Zhur. mikrobiol., epid. i immu. 43 no 11 5-9 N '66.

Possibilities of the polarographic method in early diagnosis of pulmonary cancer. A. S. Mamontov and others. Khimurgiya 12 no 11 85-91 N '66

Production of diagnostic foot-and-mouth disease serum for antigens using rabbit tissues. M. V. Zagorodnov, V. B. Elagin, N. V. Proskakov. Veterinariia 43 no 1 28-29 Ja '67.

Ring serum test in the diagnosis of brucellosis. S. I. Muratov. Veterinariia 43 no 12 14-16 D '66.

Some problems of the diagnosis of brucellosis. M. M. Ivanov, E. A. Bogdanova. Veterinariia 43 no 1 32-33 Je '67

Use of animal serum for the determination of human erythrocyte groups by the ABO system. M. Kout. Probl. gemat. i perel. krovi 8 no 2 31-36 F '63.

Use of indirect hemagglutination reaction for quantitative determination of diphtheria and tetanus antitoxins in serum. I. I. Sapozhnikov, M. S. Zakharova. Zhur. mikrobiol., epid. i immu. 43 no 11 48-52 N '66

Use of Steffen and Coombs' methods for the determination of free circulating antibodies in the blood of patients with diffuse glomerulonephritis. G. E. Pechikova, I. N. Shabanova. Lab. delo no 1 3-7 '67.

## SERUM PROTEIN

Modifying effect of serum proteins on dosage relationship in radiation injury of erythrocytes. L. V. Orlov, K. S. Trichev. Radiobiologiya 6 no 6 915-916 '66.

## SERUM SICKNESS

Data on pathogenesis of serum sickness in schizophrenia. I. U. A. Il'inskiy. Zhur. nevro. i psikh. 67 no 1 83-87 '67.

## SERUM THERAPY

Methods of preparing high-potency serums against some respiratory viruses. L. P. Mal'ceva, I. S. Noskov. Vop. virus, 11 no 5 600-601 S-O '66

Serological activity in thermal burns. P. N. Kostakov, V. N. Kazakova, L. N. Pushkar. Probl. gemat. i perel. krovi 8 no 2 37-41 F '63.

## SERVICE INDUSTRIES—see subdivision under Ukraine

## SERVICE STATIONS

Remote control of service station fuel filling columns. P. B. Ivantitskii. Transp. i khim. nefti i nefteprod. no 10 27-31 '66.

## SERVO-MECHANISMS

Accuracy of displacement angle reading by the receiver of a synchronous servosystem with two degrees of freedom. E. M. Karpov, L. F. Kulikovskii. Avtomatika 3 no 3 125-128 '66.

Optimal digital servo system. L. P. Smol'nikov and others. Izv. vys. ucheb. zav., energ. 9 no 11 80-93 N '66

## SET THEORY

Aggregation in the interbranch balance. N. V. Dumin, I. U. S. Arkhangelskii. Ekon. i mat. metod. 2 no 6 841-847 N-D '66

Chebyshev center of system of sets. P. F. Dolobov. Izv. vys. ucheb. zav. mat. no 6 18-21 '66

Relaxation method of finding the generic point of some convex sets and its use in solving optimization problems. I. M. Bergman. Dokl. AN SSSR 171 no 3 1019-1022 D '66

## SEVAN LAKE REGION—SOILS, RADIOACTIVE SUBSTANCES IN

Natural beta-radiation of outcropped grounds of Lake Sevan. V. I. Ananjan. Soob. Lab. agrokhim. AN Arm. SSR no 4 45-51 '61

## SEVASTOPOL—CITY PLANNING

Hero city. S. Tutuchenko. Stroitel'arkhit. 11 no 12 3-8 D '66

Reborn from the ashes. A. Bagdel. Stroitel'arkhit. 14 no 12 9-15 D '66

Sevastopol in past, present, and future. V. Pashkov. Stroitel'arkhit. 14 no 12 1-1 D '66.

Sevastopol opens to the sea. K. Butova. Stroitel'arkhit. 13 no 12 16-17 D '66

## SEVASTOPOL—COMMUNIST YOUTH LEAGUE

The glory of Sevastopol. M. Shushigin. Mol. komm. no 11 73-80 N '61.

## SEVASTOPOL—LANDSCAPE ARCHITECTURE

Garden city. V. Prodanova. Stroitel'arkhit. 11 no 12 33-21 D '66

## SEVASTOPOL—MARKETS

Central collective farm market. V. A. Arkhukhov. Stroitel'arkhit. 14 no 12 22 D '66

## SEVASTOPOL—MONUMENTS

Hero city. V. Arkhukhov. Stroitel'arkhit. 13 no 12 18-21 D '66

## SEVASTOPOL—UNIVERSITIES AND COLLEGES—BUILDINGS

Hydrophysical Institute. V. Arkhukhov. Stroitel'arkhit. 11 no 12 22 D '66.

## SEVASTOPOL REGION—MARINE FAUNA

Submarine research at the Sevastopol Biological Station of the Academy of Sciences of the U.S.S.R. M. P. Aronov. Trudy Okean. kom. 14 76-81 '62

## SEVERNAYA SOS'VA RIVER—FISHES

Biology of some fishes in Severnaya Sos'va River. V. P. Matukhin. Trudy Inst. biol. UFAN SSSR no 49 37-45 '66

## SEVERO-STAVROPOL GAS FIELD—GRAVITY PROSPECTING

Calculating direct gravitational effect of gas pool in Severo-Stavropol gas field. R. F. Volodarskii. Nefti-gaz. geol. i geofiz. no 12 26-29 '66.

## SEVERODONETSK—ROOFS, SHELL

Translucent dome-shaped roof of sandwich elements. A. Zhuravlev. Arkhit. SSSR no 6 56 '66.

## SEVIN

Savin. A. Nikiforov. Zashch. rasl. 11 no 11 33 '66.

## SEVIN—TOXICOLOGY

Studying the toxicity of sevin in animals. I. N. Gladenko, O. A. Matinin. Veterinariia 43 no 12 52-51 D '66.

## SEWAGE

Preventing the pollution of bodies of water by the sewage of industrial enterprises. K. V. Shchegolev. Vod., kan., gidr. soor. no 1 5-13 '66

Toxicity of or toluolidine and toluenediamine, the basic components of sewage resulting from the production of toluenediamine. P. S. Kravtsov, N. S. Gorbun'. Vod., kan., gidr. soor. no 1 108-115 '66.

## SEWAGE—ANALYSIS

Comparing the methods of determining the chemical consumption of oxygen by sewage waters. N. P. Drozdov, V. A. Vladimirova, Z. K. Kuptova. Gidroliz. i isokhim. prom. 15 no 4 20 '62

## SEWAGE—MICROBIOLOGY

Obtaining valuable substances during the biological purification of industrial sewage. U. Balens, K. Saitlov. Mikrobiologiya 31 no 2 344-346 Mr-Apr '62

## SEWAGE—PURIFICATION

Automatic control of the cyanide content of sewage. D. N. Smirnov, E. S. Monastyrniko. Vod., kan., gidr. soor. no 1 95-108 '66.

Automation of the purification of chromium-containing sewage. P. I. Avrutskii, G. M. Burchenko. Vod., kan., gidr. soor. no 1 70-77 '66.

Chemical purification of furfural-containing sewage waters. Report No. 2. I. U. A. TSirlin, V. A. Vasil'eva, A. A. Iafinskaya. Gidroliz. i isokhim. prom. 15 no 8 12-14 '66

Choice of an efficient system for the purification and utilization of sewage from wet gas purifiers of closed electric manganese-silicon furnaces. I. A. V. Duda, A. V. Rokhshevskaia, N. N. Askrakov. Vod., kan., gidr. soor. no 1 115-121 '66.





## SHOE MANUFACTURE

Ando, D.I., and I.U. P. Zybin. [Calculation of the deformation of the upper for the pulling over and evasing of lasting] Raschet deformatsii zagruvki dlia obtachno-zafizhnogo sposoba formirovaniia, uchebnoe posobie Moskv., i legatla industriia, 1965. 20 p. (MICROFILM)

Role of the separate parts of the lasts in the formation of the shape of the shoe. I M Shugov, I. U. P. Zybin. Izv. vuzovsk. tekhn. i inzh. nauch. no 3 81-89 '66

Studying the kinetics of the drawing of footwear materials and their contraction on lasts with electrically controlled machines. V. I. Shugov, I. U. P. Zybin. Izv. vuzovsk. tekhn. i inzh. nauch. no 3 81-89 '66

Use of cemented skins in the assembly of boots made from rubberized leather substitutes. O. V. Izmalkov and others. Izv. vuzovsk. tekhn. i inzh. nauch. no 3 81-89 '66

## SHOEBILL

Shoebill, W. Fischer. Priroda, 53 no 12-11 '66

## SHOKHIN, ANDREI PAVLOVICH, 1901-1937

Andrei Shokhin. V. I. Shugov, I. U. P. Zybin. Izv. vuzovsk. tekhn. i inzh. nauch. no 3 81-89 '66

## SHOLOKHOV, MIKHAIL ALEKSANDROVICH, 1905-

In the literat., capital. P. Gavrilukh. Sov. Lit., 12 no. 4 11-121 Ap. '62

Vaclavik, Antonin. [The art of psychological analysis in the work of Mikhail Sholokhov] Trusstvo psikhologicheskogo analiza v tvorchesve Mikhaila Sholokhova. Prague, Statni pedagogické naklad, 1962. 135 p. (Otomouc, Moravia - Palackého univerzita Filozofická fakulta Philologica, no 6)

## SHOPPING CENTERS

Community and shopping center in 7 miles odistlet. A. Gaidukhina, A. Ryzhkov. Stroitel'sk. i inzh. nauch. no 8 7-9 Ag '63

## SHORE PROTECTION

(see also subdivision under Mississippi River)  
Using transverse circulation to control river bank erosion. I. I. Zaitin. Gid. st. i inzh. nauch. no 8 13-11 Ag '63

## SHORTWAVE RADIO see Radio, Shortwave

## SHOT (PELLETS)

Magnetomechanical separation of pellets. L. A. Litvinov. Lit. proizv. no 11-11 N '63

## SHOULDER-HAND SYNDROME

Shoulder-hand reflex neurodystrophic syndrome in cervical osteochondrosis. I. I. U. Poplanskii. Zhur. nevrof. i psikh. 63 no 143-18 '63

## SHOULDER JOINT--DISCASES

Pseudarthroses of the humerus and their treatment. B. I. Shukrov, N. F. Savchenko. Travmatologiya no. 1 245-252 '65

## SHOULDER JOINT--DISLOCATION

Habitual dislocation of the shoulder joint and its surgical treatment. A. I. A. Shutin. Travmatologiya no. 1 253-258 '65

Surgical treatment of habitual dislocations of the shoulder joint. V. A. Drobov. Travmatologiya no. 1 259-264 '65

## SHOULDER JOINT--SURGERY

Habitual dislocation of the shoulder joint and its surgical treatment. A. I. A. Shutin. Travmatologiya no. 1 253-258 '65

Late results of surgical treatment of complicated fractures of the humeral neck. N. Kh. Salakhmetdinova. Trudy Inst. im. N. V. Sklif. 7 336-342 '63

Surgical treatment of habitual dislocations of the shoulder joint. V. A. Drobov. Travmatologiya no. 1 255-264 '65

## SHOW WINDOWS

New Year's show windows; artists recommend. Knizh. tovg. 17 no 12.23 D '66

## SHRUMPS

Morphological variability, distribution and ecological characteristics of Niphargoides (Pontogammarus) robustoides (Gr.) I. I. Dediu. Biol. res. v. 10 no. 4 47-48 '66

## SHRUBS

[Trees and shrubs of U.S.S.R.] Derov'ia i kustarniki SSSR. [By] N. A. Borodina i dr. Moskva, Mysl', 1966. 637 p. (Spravochnik opredelitel' geografa i puteshestvennika)

## SHUGAEV, VIACHESLAV

Viacheslav Shugayev's first book "Love in the middle of summer." O. Udashin. V. I. Shugov, I. U. P. Zybin. Izv. vuzovsk. tekhn. i inzh. nauch. no 11-27 N '66

## SHULEIKIN, VASILII VLADIMIROVICH, 1895-

Vasilii Vladimirovich Shuleikin; on his 70th birthday. L. A. Korneva. Trudy Mo. gl'droftz. inst. AN UNRSR 37:257-262 '66

## SHULGIN, VASILII VITAL'EVICH, 1878-

V. V. Shulgin's reminiscences. V. Vladimirov. Ist. SSSR 10 no. 6 65-70 N-D '66

## SHUVALOVO (LENINGRAD PROVINCE)--SEMI-CONDUCTORS--RESEARCH

The semiconductor institute. D. L. Gol'd, L. V. Krisko-vich. Stroitel'sk. i inzh. nauch. no 9 14-15 S '63

## SIALAI DISTRICT--PLANTS, PROTECTION OF

Important resource. B. Margene, Zashch. rast. 11 no. 11 13-14 '66

## SIBAY REGION (BASHKIRIA)--COPPER MINES AND MINING

Work practices with combined automotive and rail and transportation at Sibay Open Pit Mine. V. G. K. Rukhovich, P. G. Simakov, A. D. Tarashevsk. Gor. znan. no 12-15 '66 D '66

## SIBERIA

First plant architects of Siberia. M. A. Yudin. Izv. vuzovsk. tekhn. i inzh. nauch. no 9 120-127 '66

## SIBERIA--AGRICULTURE--ECONOMIC ASPECTS

Economic condition of Siberian village on the eve of changing to a new economic policy. A. Vvedenskaya. Trudy Ir. un. 40 59-78 '65

## SIBERIA--ANTIQUITIES

Akademii nauk SSSR, Sibirskoe otdelenie. [Ancient Siberia] Drevnaya Sibir'. Novosibirsk, Nauka, No. 2. [Collection of articles on Siberian archaeology] Sibirskii arkhologicheskii sbornik, 1966. 320 p. (Materialy po istorii Sibiri)

## SIBERIA--CALVES--FEEDING AND FEEDS

Barns for raising calves by the group-shift method using natural cows on farms in Siberia raising dual-purpose cattle. P. T. Letedev. Shor. nauch. rab. SibNVI no. 11 213-219 '62

## SIBERIA--DISCOVERY AND EXPLORATION

Akademii nauk SSSR, Sibirskoe otdelenie. [S. P. Krasheninnikov in Siberia, unpublished materials] S. P. Krasheninnikov v Sibiri; neopublikovannyye materialy. Podgotovka teksta i vstup. slova N. N. Stepanova. Moskva, Nauka, 1966. 239 p.

## SIBERIA--FISH INTRODUCTION

Introduce northern whitefishes into reservoirs of Siberia. I. Luk'anchikov. Izv. Biol. i geog. nauch. inst. Ir. un. 18 no 1/2:187-190 '65

## SIBERIA--GEOGRAPHICAL RESEARCH

In the Institute of Geography of Siberia and the Far East (April 1963-March 1965). B. P. Polevol. Dokl. Inst. geog. Sib. i Dal'. Vost. no. 10-71-79 '65

## SIBERIA--HISTORIOGRAPHY

Recent studies on the history of Siberia in the period of feudalism. S. M. Tatarskiy. Ist. SSSR 10 no. 6 124-132 N-D '66

## SIBERIA--HISTORY

Bakhrushin lectures. L. M. Gorushkin. Izv. SO AN SSSR no. 3 Ser. obshchestv. nauk no. 7 157-158 '66

## SIBERIA--HISTORY--SOURCES

Who wrote "From Siberia," an article published in A. I. Herzen's newspaper "Kolokol." L. K. Dukhin. Ist. SSSR 10 no. 6:210-220 N-D '66

## SIBERIA--HYMENOPTERA, FOSSIL

New Xyelidae (Hymenoptera) from Mesozoic of Asia. A. P. Raznitsyn. Paleont. zhur. no. 4 69-85 '66

## SIBERIA--ICE ON RIVERS, LAKES, ETC.

Hydrological forecasts for the estuaries of Siberian rivers and their correctness, exemplified by the forecasts for navigational purposes in 1957. V. S. Antonov, A. P. Burdakov. Probl. Arkt. no. 7 42-53 '59

## SIBERIA--INDUSTRIAL SAFETY--FINANCE

Efficiency of expenditures for industrial safety. L. S. Korovin. Izv. SO AN SSSR no. 9 Ser. obshchestv. nauk no. 3 69-73 '66

## SIBERIA--LABOR AND LABORING CLASSES--STATISTICS

Changes in the strata of the working class of Siberia and the Far East in the years of the Great Patriotic War, 1941-1945. G. A. Dokuchayev. Izv. SO AN SSSR no. 9 Ser. obshchestv. nauk no. 3 100-105 '66

## SIBERIA--MAN, PREHISTORIC

Akademii nauk SSSR, Sibirskoe otdelenie. [Ancient Siberia] Drevnaya Sibir'. Novosibirsk, Nauka, No. 2. [Collection of articles on Siberian archaeology] Sibirskii arkhologicheskii sbornik, 1966. 320 p. (Materialy po istorii Sibiri)

## SIBERIA--MEDICAL GEOGRAPHY--RESEARCH

Medical geography and reclamation of new areas in Siberia and the Far East. E. I. Ignat'ev. Dokl. Inst. geog. Sib. i Dal'. Vost. no. 9 26-31 '65

## SIBERIA--MOOSE--FEEDING AND FEEDS

Notes on fall feeding habits of moose in Siberia. V. V. Stokov. Biol. i inzh. nauch. no. 1 119-161 '65

## SIBERIA--NATIONAL SONGS, FRENCH

"Marsellaise" in Siberia in 1907-1917. I. A. Kalkina. Izv. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 7 171-176 '66

## SIBERIA--ONIONS

Propagation under natural conditions of the Siberian types of onion. O. V. Davva. Biol. i inzh. nauch. no. 4 11-16 '66

## SIBERIA--PALEONTOLOGY, STRATIGRAPHIC

Akademii nauk SSSR, Otdelenie nauk o Zemle, Otdel monograficheskikh kolektsii. [Continental Upper Paleozoic and Mesozoic of Siberia and central Kazakhstan, biogeography and paleontology] Kontinental'nyi verkhnii paleozo i mezozo Sibiri i Tsentral'nogo Kazakhstana, biogeografiia i paleontologiya. Moskva, Nauka, 1966. 102 p. illus.

## SIBERIA--PASTURES AND MEADOWS

Let us compare flood land meadows. I. B. Ilyukov, N. S. Ilyukov. Zemel. i inzh. nauch. no. 12 18-19 D '66

## SIBERIA--PETROLEUM PIPELINES

Control of oil and petroleum products losses in main lines of Ural-Siberian Petroleum Pipelines Administration. N. K. Boronov. Izv. vuzovsk. tekhn. i inzh. nauch. no 10 8-9 '66

## SIBERIA--RAILROADS--DESIGN AND CONSTRUCTION

Organization of the construction of a railroad in a Siberian forested swampy area. I. A. Vasil'evskii. Tr. vuzovsk. i inzh. nauch. no. 11 16-19 N '61

## SIBERIA--RESEARCH

Development of science in Siberia and the Far East on the eve of the war. I. A. Lukin. Ist. Ir. un. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 3 92-99 '66

## SIBERIA--REVOLUTIONS

Mecheretskii, A. P. [First Marxist in Siberian exile] Perve markistsy v sibirskoi ssylke. [Kutak] Vostochno-Sibirskoe knizhnoe izd-vo, 1966. 219 p. (Zamechaniye Iud. V. Sibiri)

## SIBERIA--RUSSIAN POETRY--HISTORY AND CRITICISM

Poetic Siberia. G. Pechurov. V. I. Shugov, I. U. P. Zybin. Izv. vuzovsk. tekhn. i inzh. nauch. no. 11 30 N '66

## SIBERIA--SCARABAEIDAE

Description of larvae of two Scarabaeidae (Coleoptera) species from Siberia. I. I. Galkin. Zool. zhur. 45 no 11:127-129 '66

## SIBERIA--SWINE--DISEASES AND PESTS

Manifestation and development of Intestinal Atrophic Cholangitis in swine. P. I. Lobachev, L. V. Lashina. Shor. nauch. rab. SibNVI no. 13:176-187 '62

## SIBERIA--TUBERCULOSES IN POULTRY

Complex of measures for the elimination of tuberculosis in chickens. P. S. Butyrina. Shor. nauch. rab. SibNVI no. 11 170-177 '62

## SIBERIA--VACATIONS, EMPLOYEE

On the problems of the rationalization of workers' leave; from practice in economic and sociological study. B. N. Khomel'tsin. Izv. SO AN SSSR no. 9 Ser. obshchestv. nauk no. 3 25-31 '66

## SIBERIA--WHITEFISHES

Introduce northern whitefishes into reservoirs of Siberia. I. Luk'anchikov. Izv. Biol. i geog. nauch. inst. Ir. un. 18 no. 1/2:187-190 '65

## SIBERIA, EASTERN--ARCTIC FOX

Changes in the distribution of Arctic foxes in northern Siberia and Kamchatka. A. A. Koshchinskii. Vop. geog. Kamch. no. 3 91-94 '65

## SIBERIA, EASTERN--BIRDS

Analysis of the bird fauna of Eastern Siberia. T. N. G. gina. Izv. Vost.-Sib. old. Geog. ob-va SSSR 60 111-119 '62

## SIBERIA, EASTERN--BLACKFLIES

Dispersion of Angara black flies over large distances and their distribution according to relief features; preliminary report. N. I. Matkovskiy and others. Med. paraz. i parazit. bol. 32 no. 2:107-109 Kh.-Ap. '63

## SIBERIA, EASTERN--CHERNOZEM SOILS

Family characteristics of soils in connection with their melioration. N. I. Katukhov. Izv. Vost.-Sib. old. Geog. ob-va SSSR 60 22-18 '62

## SIBERIA, EASTERN--ECONOMIC CONDITIONS

Ways of combining the occupation of the aboriginal peoples of the north with new branches of economy in newly reclaimed regions. K. P. Kosmachev. Dokl. Inst. geog. Sib. i Dal'. Vost. no. 10:45-61 '65



- SIBERIA, EASTERN--ECONOMIC GEOGRAPHY**  
Economic geography of Eastern Siberia "In action" V. A. Krotov Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 9 32-37 '65  
Formation of territorial differences in the economy of the southern part of Eastern Siberia during the first half of the 18th century T. N. Vorob'eva, Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 10:69-67 '65.
- SIBERIA, EASTERN--GAS, NATURAL--GEOLOGY**  
Russia (R.S.F.S.R.) Vostochno-Sibirskoe geologicheskoe upravlenie po pol'skiam i razvedke nefli i gaza [Geology and gas and oil potentials of Eastern Siberia] Geologiya i gazoneftebnost' Vostochnoi Sibiri Moskva, Nedra, 1966 438 p
- SIBERIA, EASTERN--OIL FIELDS**  
Petroleum in Eastern Siberia G. F. Karasik Azerb. nest. khoz. 12 no. 7 18 31 '63
- SIBERIA, EASTERN--PETROLEUM GEOLOGY**  
Russia (R.S.F.S.R.) Vostochno-Sibirskoe geologicheskoe upravlenie po pol'skiam i razvedke nefli i gaza [Geology and gas and oil potentials of Eastern Siberia] Geologiya i gazoneftebnost' Vostochnoi Sibiri Moskva, Nedra, 1966 438 p
- SIBERIA, EASTERN--SWALLOWS**  
Systematics of the martins of Eastern Siberia T. N. Qinglin Izv. Vost.-Sib. otd. Geogr. ob-va SSSR 60 117-118 '62
- SIBERIA, EASTERN--TRANSPORTATION**  
Ways of combining the occupation of the aboriginal peoples of the north with new branches of economy in newly reclaimed regions K. P. Kosmachov, Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 10:45-51 '65
- SIBERIA, WESTERN--AGRICULTURE--FINANCE**  
Analysis of the use of production funds A. Zakhnov, G. Kolyanov Ekonom. bel'khoz. 42 no. 12:63-69 D '66
- SIBERIA, WESTERN--ANTIQUITIES**  
Adademia nauk URSS. Institut arkhologii. (Andonovo culture, in three parts) Andonovskaya kul'tura, v tri chkh vypuskakh. Moskva, Nauka (Arkheologiya SSSR, svod arkhologicheskikh istochnikov, no. V 3-2) No. 1. (Monuments of the western regions) Pamiatniki zapadnykh rayonov, 1966. 62 p illus
- SIBERIA, WESTERN--CERAMIC INDUSTRIES**  
New deposit of quartz raw materials for glass and ceramic industries in Western Siberia, V. V. Pestov, Stikl. ker. 23 no. 11 28-31 N '66
- SIBERIA, WESTERN--FEEDS**  
Feed production in northern Kazakhstan and Western Siberia Koi mpyotzvodstvo v Severnom Kazakhstane i Zapadnoi Sibiri. Moskva, [Kolos] 1966. 399 p. (DNAL)
- SIBERIA, WESTERN--GAS, NATURAL**  
Geograficheskoe oshcheshstvo SSSR, Novosibirskii otdel. [Problems of exploitation of the West Siberian oil- and gas-bearing province] Problemy osvoeniia Zapadno-Sibirskoi neftegazonosnoi provintsi. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 130 p.
- SIBERIA, WESTERN--IRON ORES**  
Application of borehole magnetic prospecting in iron ore deposits of Western Siberia E. A. Bartnov and others, Metod. i tekhn. razved. no. 52:11-55 '65.
- SIBERIA, WESTERN--LAMELLIBRANCHIATA, FOSSIL**  
Conditions governing inhibition and burial of bivalve mollusks and paleogeographic significance of such observations N. V. Ivanova, Biol. MOIP, Chel. geol. 41 no. 4:156-157 31-Ag '66.
- SIBERIA, WESTERN--MOSQUITOES**  
Fauna and ecology of bloodsucking mosquitoes in middle taiga subzone of Western Siberia L. P. Kukhachuk Zool. zhur. 45 no. 11:1732-1733 '66
- SIBERIA, WESTERN--PARASITES--DUCKS**  
Practices in the vermifugal treatment of ducks in groups against Polymorphus infestation Report No. 1, A. S. Saltanova Shoi. nauch. rab. SibNIV no. 11 203-206 '62.
- SIBERIA, WESTERN--PEAT**  
Study and utilization of peat resources of the West Siberian Lowland, A. S. Olenin, Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 9 30-43 '65
- SIBERIA, WESTERN--PETROLEUM**  
Geograficheskoe oshcheshstvo SSSR, Novosibirskii otdel. [Problems of exploitation of the West Siberian oil- and gas-bearing province] Problemy osvoeniia Zapadno-Sibirskoi neftegazonosnoi provintsi. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 130 p.
- SIBERIA, WESTERN--PRECAST CONCRETE CONSTRUCTION**  
There is need for a house construction firm. A. Pluchgin, A. Ruch'ev, I. Malkov Ekon. stroit. 8 no. 12:25-28 D '66.
- SIBERIA, WESTERN--RAILROADS--EMPLOYEES--EDUCATION AND TRAINING**  
Correspondence training of specialists for West Siberian railroad V. S. Doshenko Zhel. dor. transp. 18 no. 10 80-81 O '66
- SIBERIA, WESTERN--TILLAGE**  
Stubble fields and stubble strips S. S. Sedelnikov, V. G. Trachenko Zemledeic. 28 no. 10:30-33 O '66
- SIBERIAN PLATFORM--GEOLOGY, STRATIGRAPHIC**  
Middle Cambrian sediments in the southern part of the Siberian Platform A. N. Sachut. Geol. i geofiz. no. 9 20-31 '63
- SIBERIAN PLATFORM--MERCURY ORES**  
Mercury and mineralization associated with it in southern part of Siberian Platform V. N. Znamenskiy Sov. geol. 9 no. 12 11-20 D '66.
- SIBERIAN PLATFORM--ORE DEPOSITS**  
Mercury and mineralization associated with it in southern part of Siberian Platform V. N. Znamenskiy Sov. geol. 9 no. 12 11-20 D '66
- SIBERIAN PLATFORM--TRILOBITES**  
Biostratigraphic scheme of the upper parts of the Middle Cambrian and Upper Cambrian of the northwestern part of the Siberian Platform and new Upper Cambrian trilobites A. V. Rozova Geol. i geofiz. no. 9:3-19 '63.  
New trilobites of family Conocoryphidae from Cambrian of Siberian Platform and Tuva M. N. Korobov Paleont. zhurn. no. 4 92-97 '66
- SIEOZEM** see subdivision under Chu Valley
- SIEVES**  
Effect of the angle of declination on the work of a sieve. A. N. Dzhavaldze Trudy GRUZNIMESKHA 8 no. 2 151-164 '62  
Theory of plane sieves. S. M. Gligol'ov, Zap. LSKH 96:171-188 '65.
- SIGIT** see Vision
- SIGNAL THEORY (TELECOMMUNICATION)**  
Adaptive frequency selection in multichannel asynchronous transmission systems Sh. M. Chabatov Izv. vys. ucheb. zav. i radiotekh. 9 no. 6:758-765 N-D '66  
Application of the Kotelnikov theorem in apparatus analysis of band signals G. I. Vostuk, V. I. Chaikovskiy Izv. vys. ucheb. zav. i radiotekh. 9 no. 6:785-788 N-D '66  
Asymptotic method for the synthesis of phase keyed signals with a given autocorrelation function. D. E. Vakman Radiotekh. i elektron. 11 no. 11 2057-2059 N '66  
Average number of overshoots of a random process at the output of a receiving device. M. I. Doronin Izv. vys. ucheb. zav. i radiotekh. 9 no. 6:742-750 N-D '66  
Calculation of operating characteristics of accumulators of periodic signals G. I. Skitkin Izv. vys. ucheb. zav. i radiotekh. 9 no. 6:726-734 N-D '66.  
Contribution to the theory of a polarizing coincidence correlator L. E. Koplovich Izv. vys. ucheb. zav. i radiotekh. 9 no. 6:716-725 N-D '66.  
Degree of radio signal polarization. A. P. Radimov, Radiotekh. i elektron. 11 no. 11:1067-1073 N '66
- Determination of the envelope of the correlation function of a high frequency wideband signal. V. A. Viatkin, S. I. Davydov, Radiotekh. i elektron. 11 no. 12:2114-2116 D '66.**
- Determination of the interval of independent registration of random stationary processes by comparison of the distribution functions of two-dimensional probability densities. N. A. Rubichev, Radiotekh. i elektron. 11 no. 12 2220-2221 D '66.**
- Distribution of time interval probability between zeroes of a narrow-band normal random process. A. M. Romanov, B. A. Sidorov, Radiotekh. i elektron. 11 no. 12:2222-2226 D '66.**
- Effect of the nonstability of the carrier frequency on the interference rejection of discrete radio communication systems. V. T. Gortatnov, Elektrosviaz' 20 no. 12:15-22 D '66.**
- Effectiveness of suppressing impulse noise using nonlinear feedback V. D. Krasilnikov, Izv. vys. ucheb. zav. i radiotekh. 9 no. 5:616-621 S-O '66.**
- Energy spectra and some correlational characteristics of a code impulse signal. V. E. Gurevich, Elektrosviaz' 20 no. 12:54-60 D '66.**
- Evaluation of phase distortions using the pulse response of a communication channel. E. A. Sukachev, Elektrosviaz' 20 no. 12 77-78 D '66.**
- Fluctuation characteristics and spectrum of radio waves in the interplanetary media. O. I. Akovlev, A. I. Efimov, Radiotekh. i elektron. 11 no. 11 2064-2066 N '66.**
- Kanaretkin, D. B., N. F. Pavlov, and V. A. Potekhin. [Polarization of radar signals] Polarizatsiya radiolokatsionnykh signalov. Pod red. V. E. Dulevicha, Moskva, Sov. radio, 1966. 440 p.**
- Method for the reception of radio signals with strong external FM background signal A. I. Grechikhin Izv. vys. ucheb. zav. i radiotekh. 9 no. 6:766-771 N-D '66.**
- Nonstationary processes in Sioke's transformation G. L. Gurevich, IU A Otmakhov Radiotekh. i elektron. 11 no. 12 2226-2230 D '66.**
- Optimal selection of the parameters of a communication channel during random coding V. I. Bunimovich, V. N. Kuznetsov, V. A. Murozov Radiotekh. i elektron. 11 no. 12 2107-2113 D '66**
- Riding of a signal above noise in filtration of elementary radio signals with phase keying V. M. Karshin Elektrosviaz' 20 no. 12 9-14 D '66**
- Selection of redundancy for interference-proof codes with finite reliability of coding and decoding devices IU N. Mol'nikov Elektrosviaz' 20 no. 12 1-8 D '66.**
- Some prospects for separation and synchronization of phases in the separation of some amplitude modulated signals with overlapping spectra S. IU, Vozhina Radiotekh. i elektron. 11 no. 12 2128-2131 D '66**
- Some representations of multidimensional probability density of the envelope of a normal random process with zero average V. G. Svetlov, Radiotekh. i elektron. 11 no. 12 2119-2127 D '66**
- Steady mode of oscillations in pulse systems with delayed negative feedback A. D. Gligol'ov Radiotekh. i elektron. 11 no. 12 2230-2232 D '66**
- Two-dimensional characteristic function and density of probability distribution of phase modulated normal noise process Radiotekh. i elektron. 11 no. 11:2050-2063 N '66**
- SIKIOTE-ALIN' RANGE--PALEOGEOGRAPHY**  
Sharudo, I. I. [Cretaceous paleogeography of the Sikhote-Alin' Range] Paleogeografiia Sikhote-Alinia v melovoe vremia. Novosibirsk, Nauka, 1966. 56 p.
- SILAGE**  
Early silage corn hybrids for the southern Ukraine and Moldavia, V. T. Savovov, N. G. Malova Gen., sel. i sem. kuk. no. 1 262-272 '65
- SILANE**  
Catalytic polymerization of alkylphenyl-N-phenylammonium salts K. A. Andrianov A. M. Konoenov, N. N. Makarov Plast. massy no. 12:19-22 '66  
Complex products of interaction of alkyl(aryl) alkoxyamines with aqueous-alkaline solutions of sodium zincates and butylates D. A. Soboleva, L. V. Myshlaeva Trudy MKHTI no. 41 97-101 '63
- SILICA**  
Study of adsorption capacity of silica gels based on hydrogen gases A. M. Kuliev, E. V. Gligol'ov Azerb. nest. khoz. 45 no. 9 37-39 S '66
- SILICATE BACTERIA** see Bacteria, Silicate
- SILICATE CRYSTALS--GROWTH**  
Growth of single crystals of silicates of oxygen- and fluorine-type rare earth elements I. A. Rodin, I. N. Koroleva, N. A. Toropov Rost. krist. 6:111-115 '65  
Mechanism and kinetics of crystallization of fibrous silicates from melt L. F. Gilgoleva, G. A. Rozhnova, A. D. Fedoseev Rost. krist. 6:105-110 '65  
Synthesis of fibrous silicates under hydrothermal conditions. A. D. Fedoseev, T. A. Makarova Rost. krist. 6:14-17 '65
- SILICATES**  
Building materials made of gas silicates. Zh. Astarvatskii Prikl. Khim. 9 no. 10 37-43 '66  
Determination of the monomeric form of silicate ions in water-glycerol solutions A. A. Zagorovskaya Trudy MKHTI no. 11 94-96 '63  
A high-strength microsilicate, B. N. Vinogradov, D. D. Dzhigitova, E. P. Sidorov Izv. AN Turk. SSR, Ser. (fiz.-tekh.), khim. i geol. nauk no. 5 117-120 '62.  
Increasing the quality of air-entrained silicates by the addition of frothed mass, T. P. Sidorov, Izv. AN Turk. SSR, Ser. (fiz.-tekh.), khim. i geol. nauk no. 2:194-199 '61.  
Interaction of metal cations with silicate ions in water-glycerol solutions. A. A. Zagorovskaya, A. N. Chivikova, Trudy MKHTI no. 41:91-93 '63.  
Study of the properties of white sludge and ways of utilizing it. B. S. Lyatin and others. Dop. AN URSS no. 7:912-914 '63  
"Lungusite," new mineral from group of hydrous calcium silicates, V. I. Kudachova, Dokl. AN SSSR 171 no. 5 1167-1170 D '66.
- SILICIDES**  
Structural characteristics of solid solutions of chromium distillate with distillates of vanadium and titanium L. P. Zetanin and others. Porosh. mel. 6 no. 11:86-71 N '66.
- SILICON**  
Use of organic amines for silicon determination in some organosilicon compounds. V. V. Kabanovskiy, L. V. Myshlaeva Trudy MKHTI no. 42:176-181 '63.
- SILICON--SOLUBILITY**  
Effect of light on kinetics of conjugated electrochemical reactions in the process of silicon self-dissolution in HF - HNO<sub>3</sub> mixture, Part 2: Regularities in the change of self-dissolution rate of silicon with potential in the dark and under steady illumination, F. F. Red'ko, S. O. Izidinov, Elektrokhimia 2 no. 11:1282-1290 N '66.

## SILICON—SPECTRA

Study of Si and SiO<sub>2</sub> emission structure by emission and absorption spectra in region of ultraviolet radiation O. V. Frol'ko, V. P. Lukashin, Fiz. tsvetl. 8 no 7 2137-2142, 1966

## SILICON ALLOYS—ELECTRIC PROPERTIES

Production of conductivity with compensation in silicon V. L. Vukelskii, G. N. Litvin, Izv. Akad. Nauk SSSR, Neorg. mat. 2 no 11 2062-2063, 1966

## SILICON CARBIDE CRYSTALS—GROWTH

Conditions of growth of silicon carbide crystals on graphite diaphanous D. V. Litvin, Rost. krist. 6:206-207, 1965  
Effect of various factors on growth of silicon carbide crystals D. V. Litvin, Rost. krist. 6:199-202, 1965  
Growing silicon carbide single crystals V. P. Novikov, V. I. Izotov, Rost. krist. 6:203-205, 1965  
Growth and structure of  $\beta$ -SiC crystals S. N. Golov, A. A. Melnikova, Rost. krist. 6:210-214, 1965  
Homogeneity of silicon carbide crystals Ch'en Hsien-chun and others, Rost. krist. 6:323-336, 1965

## SILICON CRYSTALS—DEFECTS

Energy levels of defects produced by fast neutrons in  $\beta$ -silicon I. D. Konozenko, G. N. Litvin, V. I. Khlivrich, Izv. AN Arm. SSR, Fiz., 1 no 2 123-127, 1966

## SILICON DIODES

Study of the switching-on of silicon p-n-p-n structures V. E. Chelnokov, V. B. Shuman, V. I. Kivichik, Radiotekhnika i elektronika 11 no 12 2217-2219, 1966

## SILICON-IRON ALLOYS see Iron-silicon alloys

## SILICON ORGANIC COMPOUNDS see Organosilicon compounds

## SILICONES—DIELECTRIC PROPERTIES

Effect of fillers on properties of polymethylphenylsiloxane lacquer K. V. V. I. A. Kuznetsov, A. A. Pashchenko, A. M. Kozachenko, Ufa. khim. zhur., 32 no 12 1316-1331, 1966

## SILK INDUSTRY see Subdivision under Kiyev Economic Region

## SILKWORMS

(see also subdivision under Azerbaijan)

Glycine-1-C<sup>14</sup> incorporation into the proteins of silk gland homogenate fractions of the silkworm Bombyx mori L. O. P. Samarin, Biokhimiya 27 no 5, 811-821, 1962

Photoperiodic reaction of silkworm (Bombyx mori) caterpillars in relation to the temperature conditions of their development M. I. Bakhmich, Dop. AN URSSR no 11 1518-1520, 1962

Study of trehalose metabolism in the Chinese oak silkworm (Antheraea pernyi G.). T. A. Egorova, A. N. Smolov, Biokhimiya 27 no 5, 822-827, 1962

## SILKWORMS—DISEASES AND PESTS

Silkworm jaundice and its control, A. E. Karpov, Mikrobiol. zhur. 28 no 6 70-82, 1966

## SILOS

Conditions of silage in walls of reinforced concrete silos constructed in situ, S. S. Khomoshin, Prom. stroit. 44 no 11 16-19, 1966

From experience in building silos for storage of sugar P. E. Fofanov, Prom. stroit. 44 no 11 41-42, 1966

Using rolled materials in the assembly of the silo hoppers of a coal-storage plant G. A. Ulichik, Mont. i spets. rab. v stroit. 25 no 8 6-9, 1966

## SILOXANES

Analysis of polysiloxane pure gum compounds and rubber made on their base, Z. S. Zadachnaya, N. P. Karaseva, Kaucuk i rez. 21 no 5 51-53, 1966

Kinetics of anionic polymerization of cyclic polydimethylsiloxanes Z. Laita, M. Jelinek, Vysokom. soed. 4 no 11 1730-1735, 1962

Molybdenum disulfide and graphite as fillers for polysiloxanes R. I. Kobzova and others, Khim. i tekhn. topl. i masel. 11 no 11 50-51, 1966

Polysiloxanes as an anti-fouling and antiwear additive to petroleum lubricant oils G. V. Vinogradov, N. S. Nemetkin, M. I. Nosov, Neftekhimiya 3 no 5 792-798, 1963

Properties of ethylphenyl siloxane rubbers, S. N. Borisov and others, Kaucuk i rez. 21 no 6 3-6, 1966

## SILTSTONE see Subdivision under Balkhan Range

## SILVER—ANALYSIS

Extraction-photometric determination of silver impurity in pure selenium and tellurium by means of 1,3-di-( $\beta$ -naphthylthio)carbazone V. G. Tiptsova, A. M. Andreichuk, L. A. Bazhanova, Zhur. anal. khim. 21 no 10, 1179-1182, 1966

## SILVER—METALLURGY see Subdivision under Armenia

## SILVER BROMIDE—ADSORPTION PROPERTIES

Investigating dye adsorption to silver halides. Part 2: Description of dyes from the AgBr surface S. M. Solov'ev, N. I. Rodionova, Zhur. nauch. i prikl. fot. i kin. 7 no 2 81-85, 1966

## SILVER CHLORIDE

Mass spectrum and composition of vapors of silver chloride A. V. Guseinov, I. N. Gorkhovich, Vest. Moak. univ. Ser. 2 Khim. 17 no 5 14-15, 1962

## SIMEON, POLOTSKI, 1620-1680

Simeon Polotski's "Vse psalter" and 16th century Russian poetry I. Z. Seidman, Trudy ODR 18 214-232, 1962

## SIMILITUDE, THEORY OF

The forms of scientific foresight, A. G. Nikitina, Vest. Mosk. univ. Ser. 8, Filoz., 21 no 5 19-55, 1966

Nonlinear evolution of disturbances in plasma and other dispersing media II, A. B. Pecher, V. I. Kapman, Zhur. teoret. fiz. 51 no 5 1557-1568, 1966

## SIMULATION METHODS

Method of electronic simulation of differential equations II, I. Pukhov, Dop. AN URSSR no 11 410-411, 1966

Modeling and psychology, D. B. Bogdanovskaya, Vop. psichol., 12 no 6 183-185, 1966

## SINGERS

An outstanding Pléiade, L. Afanas'eva, I. Safonova, V. M. K. 6 no 11 35, 1966

## SINTERING

Peculiarities of mineralogical composition and structure of fused sinter with high iron content Z. I. Nekrasov, A. G. Ulianov, G. M. Drozdov, Stal' 26 no 12 1066-1071, 1966

## SINTERING—EQUIPMENT AND SUPPLIES

Automatic control and regulation of moisture in sintering charges N. S. Bezmeski and others, Stal' 26 no 12 1086-1087, 1966

## SIPHONOPHORA

Characteristics of life cycle and development of Siphonophora in relation to some problems of the evolution of this group of animals S. D. Stepan'yan, Zool. zhur. 45 no 11 1617-1627, 1966

## SKARNS see Subdivision under Azerbaijan

## SKATING

Characteristics of vegetative reactions in figure skating, A. B. Gandel'man, V. Starostin, Teor. i prakt. fiz. kult., 29 no 11 36-48, 1966

Circles on the ice, S. Glazer, Doshk. voap. 30 no 12 37-38, 1966

## SKAZKIN, SERGEI DANHOVICH, 1890-

Academician S. D. Skazkin's 75th birthday, E. V. Gulinova, Sred. veka no 29 3-11, 1966

## SKAZKIN, SERGEI DANHOVICH, 1890—BIBLIOGRAPHY see Bibliography—Skazkin, Sergei Danilovich, 1890-

## SKIN—CANCER

(see also subdivision under Kazakhstan)

Gottrova's ceratoid papillomatosis of the skin (papillomatosis cutis carthoides Gottrova) L. I. Khristin, D. I. Tomeshevskii, E. K. Tshetshetokina, Vest. derm. i ven. 37 no 3 20-23, 1963

Pathogenesis and clinical aspects of skin cancer caused by lupus M. D. Pod'chuk, Klin. onk. no 1 138-143, 1965

Planocellular cancer of the skin in a lupus erythematosus patient I. N. Vinokurov, G. D. Kholmovskii, Vest. derm. i ven. 37 no 3 61-62, 1963

Smirnov, V. A. [Skin tumors and their prevention] Opu-khoi kozni i ikh profilaktika. Alma-Ata, Kazakhstan, 1966, 37 p. (DNLN)

## SKIN—DISEASES

(see also subdivision under Makeyevsk; Novgorod)

Biological significance of pantothemic acid and its role in the pathogenesis of some skin diseases, a review of literature, L. D. Tishchenko, Vest. derm. i ven. no. 12 10-15, 1962

Blood proteins and lipoproteins in patients with chronic deep pyoderma, L. I. Petrova, Vest. derm. i ven. no. 12 36-40, 1962

Changes in the function of the adrenal cortex connected with glyocorticoid treatment of eczema and neurodermatitis, I. A. Usatova, I. A. Shakhmister, Trudy 1-go MMI 43:171-176, 1965

Dynamics of the sensitivity of staphylococci to antibiotics in pyodermitis, S. I. Dovzhanskii, L. V. Mefodteva, Vest. derm. i ven. no. 12 33-36, 1962

Effect of glyocorticoids on serotonin metabolism in patients with eczema and neurodermatitis during treatment with adrenocortical preparations, I. A. Shakhmister and others, Trudy 1-go MMI 43:184-188, 1965

Erythromycin treatment of purulent diseases of the skin and subcutaneous tissue, V. S. Denisov, Vest. derm. i ven. 37 no 3 20-31, 1963

Morphological changes in the muscles and skin of a replanted extremity depending on ischemia and denervation, M. I. Shushchik, G. S. Lipovetskii, Trudy 1-go MMI 49:227-232, 1966

Primary localized skin amyloidosis, Vest. derm. i ven. 37 no 3 55-60, 1963

Results of examination of the skin of workers in a combine for synthetic fatty acids and higher aliphatic alcohols, M. D. Baganova, Vest. derm. i ven. 37 no 3 51-51, 1963

Therapy of allergic skin diseases by intramuscular injections of pipolphen, A. A. Nemets, Sov. med. 26 no 3 117-118, 1963

Use of "Sinalar" ointment in the treatment of some of the diseases N. V. Kolokolova, O. N. Filova, Sov. med. 29 no 12 121-125, 1966

## SKIN—INNERVATION

Reciprocal relationship of skin mechanoreceptors, I. M. Dmitriyev, A. I. Pashkov, Dokl. AN SSSR 171 no 2 100-103, 1966

Skin exteroceptors in man and other mammals (comparative, age-related, and experimental morphology) K. K. Seleznev, Vest. derm. i ven. no. 12 6-16, 1962

## SKIN—PERMEABILITY

Histological determination of the permeability of the skin to nickel sulfate, P. I. Kozlov, Vest. derm. i ven. no. 12 22-24, 1966

## SKIN—TUBERCULOSIS

Treatment of cutaneous tuberculoid tuberculosis, K. V. Guseinov, Azerb. med. zhur. 10 no 2 14-18, 1963

## SKIN—TUMORS

Dermatomyomas, B. I. Plunov, Vest. derm. i ven. 37 no 3 63-64, 1963

Increase in the number and dimensions of leiomyomas under the influence of anesthesia, K. I. A. Zhurav, Vest. derm. i ven. 37 no 3 64-65, 1963

## SKIN GRAFTING

Effect of regional lymph nodes on the state of a skin homograft, I. D. Kipatovskii, N. A. Bykova, Trudy 1-go MMI 19:10-18, 1966

Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting Report No 1: Study of the duration of taking of skin homografts, dynamics of humoral antibodies and reactions of lymphoid tissue M. V. Bilenko and others, Trudy 1-go MMI 49:35-40, 1966

Study of immunodepressive and toxic effect of a series of chemical preparations in experimental skin homografting Report No 2: Study of histological and histochemical indices and morphology of internal organs M. V. Bilenko and others, Trudy 1-go MMI 49:40-65, 1966

Study of the methods of inhibiting the anastomosis to homografts in adult mice in strong and weak genotypic differences of the donor and recipient V. I. Gornal, Trudy 1-go MMI 49:20-26, 1966

## SKIS AND SKING

Agranovskii, M. A. [Skiing] Lyzhnyi sport, 2, 1-2, 1966. 1 dop. Moskva, Fizkul'tura i sport, 1966, 220 p.

Device for immediate information in teaching racing skiers Teor. i prakt. fiz. kult., 29 no 11 41, 1966

Experience of many years in making exercises with children and other people, I. F. Sorokina, A. F. Krasova, N. N. Iakovlev, Teor. i prakt. fiz. kult., 29 no 11 67-69, 1966

The mechanics of skiing, G. A. Smirnov, Vest. vja. skoly 21 no 12 50-59, 1966

## SKITSKII, BORIS VASIL'EVICH, 1884-1950

B. V. Skitskii, A. K. Dzhananov, Izv. Sev.-Oset. nauch. issl. inst. 25:64-81, 1966

## SKLIARENKO, SEMEN, 1901-1962

In memory of Semen Skliarenko, Sov. tikr. 12 no. 1-191, 1962

## SKLIFOSOVSKI, NIKOLAI VASIL'EVICH, 1836-1904

160 years of the Shoromov Hospital, the present N. V. Sklifosovskii Institute, M. M. Tarasov, Trudy Inst. im. N. V. Sklif., 7 3-10, 1963

## SKRAMTAEV, BORIS GRIGOR'EVICH, 1905-1966

In memory of B. G. Skramtaev, T'sement 32 no. 6-21, 1966

## SKULL

Compensation method for measuring the pressure of cerebrospinal fluid and injecting gas into the cranial cavity by means of the VAK-18 apparatus, V. A. Kiselev, Zhur. nev. i psikh. 66 no. 12 1302-1305, 1965

## SKULL—DISEASES

Fibrous dysplasia of the bones with preferable localization in the skull L. K. Molokova, Trudy Novokaz. GDUVA 32:111-113, 1965

## SKULL—WOUNDS AND INJURIES

Catecholamines in acute closed craniocerebral trauma in man E. Sh. Matlina, Trudy 1-go MMI 43:72-80, 1965

Diagnosis of fatty embolism of cerebral vessels in multiple fractures accompanied by cranial trauma, A. E. Kucherenko, Travmatologiya no. 1 130-132, 1965

- SLAG**  
Electron microscope study of crystallization of non-ferrous metallurgical slags with some additions. N. M. Pavlushkin, S. V. Petrov, M. D. Beus. Izv. AN SSSR. Neorg. mat. 2 no. 12:2221-2228 D '66
- Improving the quality of slag portland cement. V. I. Funtikov, A. S. Pantichev, V. M. Kolbasov. Trudy MKHITI no. 41:113-117 '63
- Use of manganese-containing slag in the manufacture of granulated superphosphate. B. S. Kavyanskaya, N. M. Shkol'nik, L. M. Gnedilova. Khim. prom. 42 no. 12: 934-935 D '66
- SLAG—ANALYSIS**  
Effect of magnesium oxide on phase constitution and structure of aluminosilicate slags. V. S. Mal'tsev, D. N. Abishev, A. K. Mitekhov. Trudy Inst. met. i obog. AN Kazakh. SSR. 16:152-161 '66
- Growth of melilite crystals in aluminosilicate slags. V. S. Mal'tsev and others. Trudy Inst. met. i obog. AN Kazakh. SSR. 16:162-166 '66
- Solid residue of hydrochemical processing of aluminosilicate slag. G. S. Mal'tsev and others. Trudy Inst. met. i obog. AN Kazakh. SSR. 16:167-175 '66
- SLAVERY** see subdivision under Uzbekistan  
From experiences in the typological study of the Slavic vocabulary. Part 2. N. I. Tolstol. Vop. iaz. 15 no. 5:16-36 S-O '66
- Relation of the vocabulary of the Church Slavonic language to the vocabularies of the separate Slavic languages. L. Moszyński. Vop. iaz. 15 no. 5:81-85 S-O '66
- SLAVIC LITERATURE—HISTORY AND CRITICISM**  
At the sources of Slavic literature. D. de Radojević. Vop. iaz. slav. no. 2:110-113 '66
- SLAVIC STUDIES**  
(see also subdivision under Ukraine)  
The art of Anker. Russia and the western Slavists. Zh. Blankov. Trudy ODRL. 22:11-17 '66
- "Istoricheskiye zapiski," a periodical published in Voronezh and its interpretation of the history of the Slavs. E. I. Gabelko, G. I. Zaslavov. Vop. iaz. slav. no. 2:257-266 '66
- SLAVIC STUDIES—BIBLIOGRAPHY** see Bibliography—Slavic studies
- SLEEP**  
Characteristics of drowsy consciousness. A. M. Khaletskii. Vop. psikh. 12 no. 6:103-110 N-D '66
- Effect of the cerebral cortex on the rostral segment of the reticular formation of the brain stem. A. M. Martis. Fiziol. zhur. 48 no. 10:1146-1153 O '62
- Fedotov, D. D. (Sleep and its disorders) Son i ego rasstroystva. Moskva, Meditsina, 1968. 54 p. (Nauchno-popularnaya meditsinskaya literatura) (DNLM)
- Paradoxical sleep and neurophysiological diseases. E. A. Kostandov, R. A. Lebedev, K. K. Monakhov. Zhur. nevro. i psikh. 67 no. 1:141-147 '67
- Tape winding mechanism for actigraphy. F. F. Oglenko. Sov. med. 26 no. 3:109-110 M '63
- SLOPES (PHYSICAL GEOGRAPHY)** see subdivision under Pyzha Valley, Uymen Valley
- SLOVAKIA—UKRAINIANS**  
A new yearbook of the history and culture of the Ukrainians in eastern Slovakia. M. N. Kuz'min. Ist. SSSR. 10 no. 6:182 N-D '66
- SMALLPOX**  
Experimental smallpox infection in white mice. T. I. Kapkova. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:82-88 '65
- Mechanism of anti-smallpox immunity. Report No. 1; The role of leucocytes in anti-smallpox immunity. Experiments in vivo. I. U. N. Mastlukova. Vop. virus. 8 no. 4:492-498 JI-Ag '63
- SMALLPOX—MICROBIOLOGY**  
Development of a method for preparing dry tissue smallpox vaccine. Report No. 1; Study of optimal conditions for the multiplication of smallpox vaccine virus in tissue culture. I. U. Z. Gendon and others. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:3-14 '65
- Development of a method for preparing dry tissue smallpox vaccine. Report No. 2; Study of smallpox vaccine virus multiplication cycle in cells of tissue culture. I. U. Z. Gendon, V. A. Mitinov. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:15-22 '65
- Development of a method for preparing dry tissue smallpox vaccine. Report No. 3; Production of dry tissue smallpox vaccine and study of its thermostability. I. U. Z. Gendon, V. N. Mikhlin. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:23-28 '65
- Development of a method for preparing dry tissue smallpox vaccine. Report No. 4; Study of activity, immunogenicity and vaccination process of smallpox vaccine. I. U. Z. Gendon and others. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:29-38 '65
- Effect of interferon on production of hemagglutinins in chick fibroblasts infected with smallpox virus. I. U. V. Chernyshev. Vop. virus. 11 no. 6:687-691 N-D '66
- Effect of some inhibitors on deproteinization factor formation in nucleocapsid of smallpox vaccine virus. V. M. Zhdanov and others. Dokl. AN SSSR. 171 no. 2:171-172 N '66
- Mechanism of interferon effect on reproduction of smallpox virus and cell microfilament. O. P. Petrov. Vop. virus. 11 no. 6:692-698 N-D '66
- Properties of rabbit smallpox virus isolated from thymus monkey kidney tissue culture. A. F. Akhmedov, I. I. Akopov. Vop. virus. 11 no. 5:532-539 S-O '66
- Study of mechanism of hemagglutination caused by smallpox vaccine virus. I. R. Pile. Trudy Mosk. nauch.-issl. inst. virus. prep. no. 3:39-50 '65
- SMALLPOX—PREVENTION**  
Comparative evaluation of smallpox vaccines. S. S. Unanov and others. Vop. virus. 11 no. 5:519-525 S-O '66
- SMELL**  
Spatial analysis in hammyard baboon young following the simultaneous excitation of the visual, olfactory, hearing and vestibular apparatus. V. I. Korolev. Zhur. vyss. nerv. deiat. 13 no. 4:692-697 JI-Ag '63
- SMELTING FURNACES**  
Intensifying heat exchange in gas-fired pig iron smelting furnaces. B. A. Noskov, B. F. Pulkh. Gaz. prom. 11 no. 11:30-39 '66
- Problems concerning the saving of electric power in electric steel smelting. I. Z. Khmel'nitskii. Prom. energ. 16 no. 1:75-87 Ja '61
- SMELTS** see subdivision under Ob' Bay
- SMIDOVICH, VIKENTII VIKENT'EVICH, 1887-1945**  
Searching for wisdom ideas. A. Klisko. V mire knig. 6 no. 12:21-22 D '66
- SMIRNOV, IVAN PETROVICH, 1906-**  
Ivan Petrovich Smirnov, on his 60th birthday. Meteor. i gidrol. no. 12:60 D '66
- SMOKED FISH** see Fish, Smoked
- SMOKED MEAT** see Meat, Smoked
- SMOLENSK—CHILDREN—DISEASES**  
Pathogenic Escherichia coli and their role in the etiology of intestinal diseases in children in Smolensk. V. A. Kairova and others. Zhur. mikrob. i sp. i imunit. 33 no. 6:73-77 Ja '62
- SMORODINTSEV, A. S.**  
Brief news. Vop. virus. 8 no. 1: 5-56 JI-Ag '63
- SMUTS**  
Common smut on irrigated corn. F. Nemilenko, G. Grishenko. Zashch. rast. 11 no. 11:24-25 '66
- Dwarf blight of winter wheat. I. I. Zakhvatova. Shor. iud. i mol. nauch. soiz. VIR no. 2:298-300 '61
- Evaluation of some methods of infecting corn with common smut. N. M. Cherkina. Shor. iud. i mol. nauch. soiz. VIR no. 2:112-117 '61
- SNAKES** see subdivision under Barsa-Kelmes Preserve
- SNOW**  
(see also subdivision under Antarctic regions, Kazakhstan; Minny Station, Antarctica)  
Calculation of cloud cover in lower layer and snowfalls by natural processes and by artificial means. S. I. Lebedev. Trudy VGI no. 3:76-80 '66
- Fallows with buffer strips. N. I. Tol'mar. Zemledelie. 28 no. 10:31-35 O '66
- Photocoloric method of observations on appearance of winter inside snow and on surface of ground under snow. A. I. Donitsin. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27:71-75 '66
- Some results of practice in studying creeping of snow. K. Bilhalov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27:113-116 '66
- Stubble fields and stubble strips. S. S. Sedobnikov, V. G. Tkachenko. Zemledelie. 28 no. 10:30-33 O '66
- SNOW—CONGRESSES**  
Interdepartmental coordinating conference on the study and utilization of snow and the snow cover. M. P. Kozlov. Probl. Arkh. no. 7:138 '59
- SNOW—TEMPERATURE** see subdivision under Tien Shan
- SNOW CRYSTALS—GROWTH**  
Conditions for growth of snow, soft hail, and hail in clouds. N. S. Shishkin. Trudy GGO no. 186:130-144 '66
- SNOW FENCES**  
Attachment to the T-40 tractor for setting poles for snow fences. I. U. Kovalov. Avt. der. 20 no. 12:29-30 D '66
- SNOW LINE** see subdivision under Tien Shan; Uzbekistan
- SNOW REMOVAL**  
Road drag. I. Nikiforov. Sel. stroi. 16 no. 11:18-19 N '61
- SOAKING PIT**  
Electrothermal modeling of the process of solidification and heating of a heated steel ingots in soaking pits. V. D. Maton and others. Izv. vuz. metal. zav. i mash. stroi. 9 no. 12:114-115 '66
- SOAP INDUSTRY—BY-PRODUCTS**  
Make complete use of carbunk acid. S. P. Ostrik. Mash. i zh. prom. 28 no. 6:18 Ja '62
- SOLKO, VADYM MYKOLAIOVYCH, 1912-**  
Date of a generation on the works of Vadym Solko. Petr. Morhachenko. Sov. Ukr. 12 no. 1:157-160 Ap '62
- SOBOLEV, NIKOLAI DMITRIYEVICH, 1904-**  
Sixtieth birthday of N. D. Sobolev. D. I. Shcherbakov. Min. syiz. no. 12:150-152 '66
- SOCI—FRUIT CULTURE**  
Golden apples. V. Kononov. V mire knig. 6 no. 11:17-18 N '66
- SOCIAL CLASSES** see subdivision under Africa
- SOCIAL CONFLICT** see subdivision under Germany, West
- SOCIAL GROUP WORK**  
(see also subdivision under Brest, Kaluga Province; Kiev Province; Kirovograd Province, Kursk Province, Odessa Province, Saratov Province)  
Brief news. Agitator. 31 no. 1:61 Ja '67
- Brief news. Agitator. 31 no. 2:71 D '66
- Brief news. Agitator. 31 no. 2:27 D '66
- SOCIAL INSURANCE** see Insurance, Social
- SOCIAL MOBILITY** see subdivision under Molltopol District
- SOCIAL PARTICIPATION**  
Coordination of workers' creative associations. I. A. Baturin. Izv. SO AN SSSR no. 9. Ser. obshch. nauch. no. 3:80-81 '66
- Creative association of workers and the improvement of labor organization. B. I. Lyubimov. Izv. SO AN SSSR no. 9. Ser. obshch. nauch. no. 3:10-12 '66
- Reward for the worthy ones. IU. Leonov. Sots. chesp. 11 no. 12:26-27 D '66
- SOCIAL PROBLEMS**  
Discussing the book "The building of communism and the development of social relations." E. I. Gordin-skaya. Vop. filoz. 20 no. 12:131-139 '66
- SOCIAL PSYCHOLOGY**  
Subject matter of social psychology. M. A. Koval'zon, D. M. Ughlovich. Vest. Mosk. univ. Ser. 8. Filoz. 21 no. 5:11-23 S-O '66
- SOCIAL SCIENCE RESEARCH**  
(see also subdivision under Kazakhstan)  
Conferences dedicated to the glorious anniversary. V. N. Savvinov. Vest. vyss. shkoly. 21 no. 12:67-68 D '66
- SOCIAL SCIENCES** see subdivision under Chuvashia
- SOCIAL SCIENCES—BIBLIOGRAPHY** see Bibliography—Social sciences
- SOCIAL SCIENCES—STUDY AND TEACHING**  
Combining the "comprehensive" and "special" forms of raising the qualification. J. J. Lazavskas. Vest. vyss. shkoly. 21 no. 12:68-61 D '66
- SOCIALISM**  
Institut marksizma-leninizma, Moscow. [From the history of Marxism and the international labor movement; for the 100th anniversary of the founding of the I International] 1. Istorii marksizma i mezhdunarodnogo rabochego dvizheniya; k 100-letiyu so dnia osnovaniya I Internationala, Moskva, Politizdat, 1964, 684 p. (CSI-II)
- The subject of political economy. G. Anisimov. Kommunist. 43 no. 18:90-99 D '66
- SOCIALIST COMPETITION**  
(see also subdivision under Dzhambul Province; Ossella, North; Tatar A. S. R.)  
The all-Union socialist competition. V. Mitrokhin. Ekhn. sel'khoz. 12 no. 11:2-8 N '66
- The challenge has been accepted! Veterinarlia. 43 no. 11:6-7 N '66
- Men'shikov, N. I. [School of labor and education] Shkoly. Truda i vospitaniya. Gor'ki, Volgo-Viatskoe knizhnoe izd-vo, 1965. 87 p. (CSI-II)
- On anniversary watch. I. Z. Tsybenko. Veterinarlia. 43 no. 11:4 N '66
- Sharing the experience of miners of Aidsay Polytechnical. Combines with all miners of the country. IU. T. Shvornikov. Gor. zhur. no. 12:30-33 D '66
- Socialist obligation. Veterinarlia. 43 no. 11:5 N '66

## SOCIALIST COMPETITION (Continued)

Under the banner of socialist competition Tekst prom 25 no 12 1-4 D '66  
Welcome the 50th anniversary of Socialist rule in a country  
mineral water 13 no 11 1-3 '66  
When plowmen, turners, and woodcutters are champions.  
V. Rudnik and others. Tekst prom 34 no 1 35-37 D '67.

## SOCIALIST PARTIES

Ranking of fighting socialists S Oznayov Agitator 16 11-12 Ag '62  
Strength of the labor movement lies in the unity of its  
members D Bolshoy Mol tomm 11 27-14  
1p '61

SOCIALIST PARTY see subdivision under Austria,  
France, Germany, Hungary, Poland

## SOCIALIST PROPERTY

(see also subdivision under Kirghizistan)

Papshov, S. Kh. [Role of Soviet labor law in the defense  
of socialist property] Rol' sovetskogo trudovogo prava  
v okhrane sotsialisticheskoi sobstvennosti. Chitassk,  
Stavropol'skoe knizhnoe izd-vo, 1965. 79 p.  
(CS-11)

SOCIETY, PRIMITIVE see subdivision under Podolia

SOCIETY AND COMMUNISM see Communism and  
society

## SOCIOLOGY

(see also subdivision under United States)

[Basic concepts of the study of society, a brief dictionary]  
Osnovnye ponyatiya po obshchestvovedeniyu, kratkii  
slovar'. Moskva, Izd-vo poln. lit-ry, 1966. 492 p.  
(CaOTU)

Sexual ethics in the light of sociology L S Kan Sov  
pedag. 30 no 1264-77 D '66

Zerkin, D. P. [Sources and moving forces of the develop-  
ment of socialist society] Istochniki i dvizhushchie sily  
razvitiya sotsialisticheskogo obshchestva. [Rostov-na-  
Donu] Izd-vo Rostovskogo univ., 1966. 244 p

## SOCIOLOGY—RESEARCH

Let us develop concrete sociological studies. V P. Roz-  
um. Vest. Mosk un. Ser. 8 Filos. 21 no 5 34-41  
S-O '66.

Sociology and international relations D. Dimolnko  
Mezhimuzn. sluzn' 11 no 120-27 '67

## SOCIOLOGY, CHRISTIAN

Ideology and policy of modern ecclesiasticism. I Tchelka  
Vop nach. atez. no 1407-412 '66  
International colloquium on the sociology of religion in  
Jena, IU A. Levada Vop nach. atez. no 1400-406  
'66

SOCIOLOGY, URBAN see subdivision under Kostroma  
Province

SOCKEYE SALMON see subdivision under Kamchatka  
River

## SODA INDUSTRY

Use of chemically stable fibers for the filtration of sus-  
pensions in soda manufacture. A. I. Pastorenko, V. P.  
Belenko Khim. prom. Ukr. no 6 57-59 N-D '68

## SODA INDUSTRY—CONGRESSES

All-Union Industry-Wide Scientific and Technical Con-  
ference of Soda Industry Workers V. I. Pastorenko  
Khim. prom. Ukr. no 6 63 N-D '66

SODALITE—SPECTRA see subdivision under Kazakhstan

## SODIUM

Study of mixed sodium and calcium uranates Viki i  
Spitsin, Wang Shih-lua, L. M. Kovba, Vest. Mosk un.  
Ser. 2. Khim. 17 no 5:60-62 S-O '62

## SODIUM—ANALYSIS

Titrimetric determination of sodium by means of anion  
exchangers A. I. Riabinin, IU. A. Afanas'ev, I. A. Akse-  
nov. Zhur. anal. khim. 21 no 10:1258-1260 '66.

## SODIUM ALUMINATES

Constitution of solid phases in the system  $\text{Na}_2\text{O} - \text{Al}_2\text{O}_3 - \text{H}_2\text{O}$   
M. V. Zakharova and others. Trudy Inst. mef. i  
obog. AN Kazakh. SSR 16:102-110 '66

Sodium aluminates. M. V. Zakharova and others. Trudy  
Inst. mef. i obog. AN Kazakh. SSR 16:102-101 '66

## SODIUM CARBONATES

Absorption of  $\text{CO}_2$  from sodium bicarbonate solutions  
I. S. Kukurechenko, I. N. Shokin Trudy MIKHTI  
no 41 197-201 '63

Ianush, A. V. Preparation of sodium peroxycarbonate.  
A. V. Ianush. Khim. prom. Ukr. no 6:11-13 N-D '66

## SODIUM FLUORIDE—TOXICOLOGY

Effect of acute poisoning with sodium fluoride on the ac-  
cumulation of radioactive vitamin B<sub>12</sub> in the body IU. P.  
Nikitin Trudy Novokuz. GIDUVA 32:140-142 '65.

## SODIUM IODIDE CRYSTALS

Some deep capture levels in NaI(Tl) crystals Z. B.  
Baturicheva Ukr. fiz. zhur. 11 no 11:1259-1260 N '66.

## SODIUM METABOLISM

Changes in the concentration of sodium and potassium in  
the blood plasma during acute disorders of the cerebral  
blood circulation. E. M. Butskiy. Zhur. nevro. i psikh.  
67 no 1:17-22 '67.  
Correlation between the content of sodium and protein-  
bound noradrenaline in the heart of rabbits M. P.  
Baita, L. P. Vereshchakova. Vop. med. khim. 12 no 6:  
621-626 N-D '66.

## SODIUM PHENYL PHOSPHATES

Effect of pH on the kinetics of sodium phenyl phosphate  
hydrolysis by alkaline phosphatase N. I. Reichenko  
Biokhimiya 28 no 2 321-325 M-Apr '63

SODIUM-POTASSIUM ALLOYS see Potassium-  
sodium alloys

## SODIUM SILICATE CRYSTALS—GROWTH

Krykhetmal synthesis of crystals of sodium aluminosili-  
cates and silicates B. N. Litvin. Rost. khim. 6  
10-21 '65

## SODIUM SILICATES—PHYSIOLOGICAL EFFECT

Biological effects of sodium metasilicate, preliminary  
report F. A. Shakhbazian. Zhur. mikrobiol. i epid.  
13 no 3 119-121 Je '62.

## SODIUM SULFITES

Effect of copper ions on reduction of synthesized phos-  
phomolybdic acid with sodium sulfite L. P. Tsyganok,  
B. E. Reznik. Zhur. anal. khim. 21 no 10:1227-1231 '66

## SODIUM TITANATE—WASHING

Washing of sodium titanates. B. E. Medvedkov, L. P. Ni-  
ludiy Inst. met. i obog. AN Kazakh. SSR 16 133-137 '66.

## SOFT DRINKS

Prospects for the expansion of the distilling, liqueur-  
vodka, brewing and soft drinks industries. V. G.  
Pykhov. Spirit. prom. 28 no 5:11-5 '62.

SOIL ACIDITY see subdivision under White Russia

## SOIL BINDING

(see also subdivision under Lugansk Province)  
Vincetoxium sibiricum as a good sand-binding plant  
V. M. Ostroimov. Izv. All. old. Geog. ob-va SSSR no 3:  
84-85 '63

## SOIL BIOLOGY

Cellulase activity of soils of some East Siberian land-  
scapes depending on the conditions of the geographical  
environment. V. P. Kisiluyeva. Dokl. Inst. geog. Sb. I  
Dal' Vost. no. 10:10-41 '65.

## SOIL CONDITIONERS

Effect of artificial amelioration of soil structure on  
the improvement of the water supply of plants and  
yield increase N. G. Grikova. Shor. trud. asp. i mol.  
nach. sovt. VIR no 2 315-348 '61.

Improvement of the water supply for silage plants by  
the use of synthetic soil conditioners G. N. Lubar-  
skii. Shor. trud. asp. i mol. nach. sovt. VIR no 2 351-  
363 '61

Use of polymers as a promising trend in the chemicaliza-  
tion of agriculture G. L. Maslennikova, I. B. Revut, I. A.  
Romanov. Agrokimiya no 12:97-101 D '66.

## SOIL CONSERVATION

(see also subdivision under Kirghizistan)  
Let us conquer erosion. N. Baryshnikov. Zemledelie  
28 no 10 50 O '66

## SOIL FERTILITY

Ways for increasing the fertility of Chernozem soils and  
the efficient use of fertilizers. E. I. Shkonde, Agrokhi-  
miya no 12:144-148 D '66

SOIL FORMATION see subdivision under Asia,  
Southeastern, Tien Shan

## SOIL FUNGI

(see also subdivision under Zhitomir Province)  
Decomposition of methylcellulose by soil fungi. J. G.  
Konevskii. Mikrobiologiya 35 no 5:868-870 S-O '66.  
Epidemiological problems in the distribution of soil  
keratophiles and some dematophytes in the U.S.S.R.  
Z. G. Stepanicheva. Vest. d. m. i. ven. 37 no 3:8-9  
Mr '63.

SOIL INOCULATION see subdivision under Ukraine

## SOIL MECHANICS

Effect of vibration on the coefficient of the thrust of  
sand B. G. Machet. Trudy Gidroproekta no 7:147-  
152 '62.

Effect of vibration on the stability and creep of clay  
soils. A. M. Skibitskii. Trudy Gidroproekta no 7:157-  
166 '62

Modeling the effect of vibration on soils. G. I. Pokrov-  
skii. Trudy Gidroproekta no 7 245-250 '62.

Relation between dislocations and stresses on points of  
vertical face contact of prism of granular soils. A. K.  
Bugrov. Izv. vyz. uchob. zav. i stol. i. arkhiv. 9 no 9:  
35-43 '66.

Similarity of soil stresses and deformations as studied  
on a model and in nature. A. G. Dovgalenko. Trudy  
Soluzh. M. N. P. no 9 71-83 '66

Studying the relation between partial load and soil  
deformation. M. A. Smirnov. Z. pri. i. SKH 96:69-71  
'65

Ul'rikh, S. S., and V. I. Pyskov. [Seasonal freezing of  
soils and their interaction with building foundations]  
Sezonnoe promerzaniye gruntov i ikh vzaimodeliye  
s fundamantami zdaniy. [Krasnodarsk] Krasnodarskoe  
kntznoe izd-vo, 1965. 169 p.  
[MICROFILM]

## SOIL MECHANICS—RESEARCH

Studying the deformation and resistance of soils to high  
speed projectile cutting with a knife. I. Z. Bagrov.  
Stroitel. mash. 11 no 6:1-14 3p '61

## SOIL MICRO-ORGANISMS

(see also subdivision under Bashkiriya, Polesye, Ural  
Mountain region)

Microbiological position of the species *Arthromyces levis* in  
a carbonate and humus rich soil J. Sabay, M. Marton  
Mikrobiologiya 31 no 5:881-889 S-O '63

Distribution and nitrogen-fixing activity of *A. obliteratus* in  
some types of soil V. P. Nemiluev, L. N. Nishan  
Mikrobiologiya 31 no 5:891-900 M-Apr '62

Effect of moisture degree on quantity of nitrogen-organ-  
isms developing in soil D. G. Zvolagintsev. Vest.  
Mosk un. Ser. 6 Biol. pochv. 21 no 1:119-126  
Jl-Ag '66

Effect of prolonged fertilization on soil micro-organism develop-  
ment P. S. Kozlov. Mikrobiologiya 35 no 5:818-824  
S-O '66.

Quantitative estimation of anaerobic nitrogen-fixing  
bacteria in soils of gams (M. I. Kozlov) in soil V. I.  
Emel'ev. Mikrobiologiya 31 no 5:898-893 M-Apr '62

Survival of the *Diplota* (fungi) of corn and the effect of  
some soil micro-organisms on them. I. P. Nemiluev,  
G. V. Gritsenko. Mikrobiologiya 31 no 5:891-891 S-O  
'62.

Third conference on soil microbiology of the Academy of  
Sciences of C. S. S. R. K. A. Kozlov. Izv. All.  
SSSR. Ser. Biol. no 1:181-181 M-Je '63.

## SOIL MOISTURE

(see also subdivision under Central Chernozem  
Preserve; Zapovednye Province)

Effect of artificial amelioration of soil structure on  
the improvement of the water supply of plants and  
yield increase N. G. Grikova. Shor. trud. asp. i mol.  
nach. sovt. VIR no 2 315-348 '61

Effect of moisture degree on quantity of micro-organ-  
isms developing in soil D. G. Zvolagintsev. Vest.  
Mosk un. Ser. 6 Biol. pochv. 21 no 1:119-126  
Jl-Ag '66

Improvement of the water supply for silage plants by  
the use of synthetic soil conditioners G. N. Lubar-  
skii. Shor. trud. asp. i mol. nach. sovt. VIR no 2 351-  
363 '61

Influence of rock moisture on the speed of breaking during  
blasting. I. S. Tsvetkovskiy. V. A. Shor. trud. asp. i mol.  
nach. sovt. VIR no 2 315-348 '61

Minimal moisture capacity. A. A. Bode. Pochvovedenie  
no 12 43-53 D '66

Water conditions of reclaimed soils of the Solonchak  
complex under forest belts. G. S. Haykyna.  
Pochvovedenie no 12:61-76 D '66.

SOIL MOISTURE—EFFECT ON PLANTS see Plants,  
Effect of soil moisture on

## SOIL MOISTURE—MEASUREMENT

Determining soil moisture using an aerometer. O. A.  
Beraletskii. Pochv. ust. i efek. ust. no 1:60-62 '61.

Portable radioactive moisture meter. E. K. Labatkovskiy,  
G. I. Danilina. Trudy GIDROKHIMSKAYA 8 no 2 60-70  
'62

## SOIL PERCOLATION

Evaluating methods for determining the percolation  
nutrition of ground waters. R. A. Smirnov. Vod. khoz.  
no 4:97-105 '66.

Linear transformation of a percolating flow. Ch. T.  
Khaliullin. PMTF no 3:102-104 M-Je '62.

Solution of the problem of percolation under an overfall.  
I. I. Leshko. Dop. AN URSR no 11:1407-1413 '62.

Some aspects of the theory of elastic soil percolation.  
V. M. Shestakov. PMT no 3:99-102 M-Je '62

Use of summary representation method in solving two-  
dimensional problem of percolation in multilayer medi-  
um. I. I. Leshko, S. M. Melniga. Vych. mal. [Kiev]  
no 2:96-104 '66

## SOIL PERCOLATION—BOUNDARY VALUE PROBLEMS

Use of summary representation method in solving free  
groundwater percolation problems. A. A. Glushchenko  
Vych. mal. [Kiev] no 2:124-130 '66.

## SOIL PHYSICS

Creep of half-space from two-phase soil due to forces  
applied normally to boundary. IU. K. Zaretetskii. Izv.  
AN Arm. SSR. Mekh. 10 no 2:40-50 '60.

## SOIL RESEARCH

Determining the necessary number of repetitions in  
experimental soil research. E. A. Dmitriev. Vest.  
Mosk un. Ser. 6. Biol. pochv. 31 no 4 108-118  
Jl-Ag '66

Increase the level of theoretical studies. Z. A. Tyshcheva  
Zemledelie 28 no 10:71 O '66

## SOIL SCIENCE

(see also subdivision under: Knightistia, Poland)  
Land improvement on scientific basis. N. V. Kachanishvili. Vses. Nauch. i. Biol., pocha. 21 no. 13-9. 11-16 '66

## SOIL SCIENCE--CONGRESSES

Third congress of soil science delegates. G. S. Logodina, S. A. Shavlov. Pochvovedenie no. 12 84-101 D '66

## SOIL STABILIZATION

Designing foundation beds in loose sagging soils of first type. V. N. Golubkov. Izv. vys. uch. zap., stroit. i. arkh. 9 no. 9 20-28 '66

Packing sandy soils with electric discharges. G. M. Lomize and others. Gidrot. 11 no. 7 9-13. 11 '63  
Study of operating process of pneumatic hand tanner. N. A. Klushin, D. G. Suvorov, P. A. Abramov. Izv. vys. uch. zap., stroit. i. arkh. 9 no. 9 112-116 '66

Soil analysis and analysis of the esterification copolymers based on acyclic compounds and suitable for soil stabilization. T. S. A. Goguetee and others. Trudy MKIPI no. 12 151-159 '63

Use of cement to reinforce roadsides. M. S. Kuzmova. Trudy stroit. 11 no. 12 40-12 D '61

## SOIL TEMPERATURE

[Handbook on the climate of the U.S.S.R.]. Spravochnik po klimatu SSSR. Leningrad, Gidrometeoizdat.

No. 3. [Kavkazian A.S.S.R., Leningrad, Novgorod, and Pskov Provinces] Kavkazskaya ASSR, Leningradskaya Novgorodskaya i Pskovskaya oblasti.

Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1965. 342 p.

No. 25. [Khabskaya Terikoy and Amur Province] Khabskaya Terikoy i Amurskaya oblasti.

Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1966. 312 p.

No. 27. [Kamchatka Province] Kamchatka oblast.

Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1966. 181 p.

No. 34. [Sakhalin Province] Sakhalinskaya oblast.

Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. 1966. 201 p.

## SOILS

(see also subdivision under: Armenia, Tula Province)  
Akademika nauk SSSR. Institut geografi. [Genesis and geography of soil, on the sixtieth birthday of Academician Innokentii Petrovich Gerasimov]. Genezis i geografiya pochvy, P'shestidesiatletiu akademika Innokentii Petrovicha Gerasimova. Moskva, Nauka, 1966. 206 p.

## SOILS--AMMONIA CONTENT

Effect of potassium on the availability of fixed ammonium to plants. F. I. Shilova. Agroklimat no. 12 25-32 D '66

## SOILS--ANALYSIS see subdivision under: Armenia

## SOILS--BIBLIOGRAPHY see Bibliography--Soils

## SOILS--CALCIUM CONTENT

Determining the effect of exchangeable calcium on the content of organic matter and total nitrogen in horizons of raw humus. B. D. Zaitsev. Pochvovedenie no. 12 10-12 D '66

## SOILS--CARBON CONTENT see subdivision under: Armenia

## SOILS--CLASSIFICATION see subdivision under: Coluz; Moldavia

## SOILS--DENSITY

Determining the density of the ground of hydraulic fill structures. V. P. Antipkin. Gidrot. 33 no. 7 22-25. 11 '63

Determining the volumetric weight (density) of soil in field conditions by the gamma-spectroscopic method. A. N. Gubarev. Trudy Un. inzh. nat. 14 Ser. Khim. nauki no. 1 65-73 '66

Determining the volumetric weight of a soil sample by the gamma-ray method. I. S. Fedotov, O. E. Dobrovolskaya. Trudy Lab. inzh. gidrogeol. VODGEO no. 1 176-187 '62

Effect of the size of a cutting ring on the determination of the volumetric weight of soil. O. E. Dobrovolskaya. Trudy Lab. inzh. gidrogeol. VODGEO no. 4 172-175 '62

Instrument for determining the volumetric weight of soils in wells on prospecting pits. I. S. Fedotov. Trudy Lab. inzh. gidrogeol. VODGEO no. 1 167-171 '62

## SOILS--MAPS see subdivision under: Armenia; Knightistia

## SOILS--MICROBIOLOGY

Methods of determination of the saccharase activity of soils. N. V. Peterson, E. V. Astafieva. Mikrobiologiya 31 no. 5 918-922 S-O '62

## SOILS--NITROGEN CONTENT

(see also subdivision under: Armenia)

Determining the effect of exchangeable calcium on the content of organic matter and total nitrogen in horizons of raw humus. B. D. Zaitsev. Pochvovedenie no. 12 40-42 D '66

Deter mining total nitrogen and phosphorus in one soil sample. O. B. Gasparyan, O. A. Drabinskaya. Soob. Lab. agroklim. AN Arm. SSR no. 1 17-20 '61

Effect of the mineral forms of nitrogen in the state unavailable to plants. N. I. Chirapkov. Agroklimat no. 12 18-21 D '66

## SOILS--OPTICAL PROPERTIES

Studying the energy distribution of a light flux reflected by the soil cover. I. S. Tolchinskoy. Dokl. Inst. geog. Sib. Dni Vest. no. 10 36-39 '61

## SOILS--PERMEABILITY

Instrument for determining flow velocities and the permeability of the soils forming the bottom of water reservoirs, natural waters, and rivers (filter meter). V. M. Nasyrov, A. I. Kharkovskaya. Trudy Lab. inzh. gidrogeol. VODGEO no. 1 112-114 '62

## SOILS--PHOSPHORUS CONTENT

(see also subdivision under: Zhilomir Province)  
Content of various forms of phosphates in turf-Podzolic soils. I. V. Pereguda. Pochv. ust. i eff. uch. no. 1 51-53 '63

Effect of method of placement of super phosphate on uptake of P<sub>2</sub>O<sub>5</sub> by plants. G. B. Babkin. Soob. Lab. agroklim. AN Arm. SSR no. 4 29-31 '61

## SOILS--POTASSIUM CONTENT

Effect of potassium on the availability of fixed ammonium to plants. F. I. Shilova. Agroklimat no. 12 25-32 D '66

Methodology for determining exchangeable potassium in non-carbonaceous Chernozem soils. I. N. Zhukov, L. N. Mishchenko, L. I. Kuznetsova. Khim. v sel. khoz. 1 no. 12 59-61 D '66

## SOILS--SODIUM CONTENT

Rapid method for determining available sodium in carbonate-rich soils. I. A. T. Duboviy and others. Izv. Kh. fil. Vses. ob-va pochv. no. 2 99-100 '63

## SOILS--TRACE ELEMENT CONTENT

(see also subdivision under: White Russia; Zhilomir Province)  
Determining trace element content of soils and plants using analytical potentiography with accumulation. I. V. Mal'kova, S. I. Sulekova. Agroklimat no. 12 118-121 D '66

Trace element content of cultivated turf-Podzolic soils. B. A. Nikitin. Agroklimat no. 12 85-93 D '65

## SOILS, RADIOACTIVE SUBSTANCES IN

(see also subdivision under: Seván Lake region)  
Methodology for determining total beta-radioactivity of soils. V. L. Anan'yan. Soob. Lab. agroklim. AN Arm. SSR no. 1 91-95 '61

## SOILS, SALTS IN see subdivision under: Kones-Anarkhaya, Naryn Valley

## SOKH VALLEY--ABLATION (AEROTHERMODYNAMICS)

Ablation of tongue of Raygoradsky Glacier. A. S. Shekhtimov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27 21-34 '66

## SOKH VALLEY--GLACIERS

Ablation of tongue of Raygoradsky Glacier. A. S. Shekhtimov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27 21-34 '66

## SOKOLOV, DMITRIY SERGEEVICH, 1911-1966

Dmitriy Sergeevich Sokolov; obituary. Izv. AN SSSR, Ser. geol. 31 no. 12 131-133 D '66

## SOKOLOV, NIKOLAI ALEKSEEVICH, 1884-1961

N. A. Sokolov, obituary. D. A. Shchiba, N. Rozov. Trudy 1960 1 601-602 '62

## SOLANACEAE

Biezhev, D. D., and others. [Vegetables of the nightshade family; tomato, common eggplant, black nightshade, pepper, husk-tomato, mandarin] Ovoshchnyye pasicnovyye, tomat, baklazhan, chernyy paslen, dynnya, grusha, perets, (fizalis, mandragora, Moskva, Gos. izd-vo s.-kh. lit-ry, 1958. 531 p. (Kul'turnaya flora SSSR, no. 20)

## SOLAR ENERGY

Physical characteristics of the accumulation of solar energy by the crystalline matter of the earth. A. N. Dmitriyev. Geol. i geofiz. no. 11 95-105 '63

## SOLAR FLARES--SPECTRA

Asymmetry and character of motion of emission lines in chromospheric flares. R. E. Guseinov. Astron. zhurn. 43 no. 6 1159-1167 N-D '66

## SOLAR RADIATION

(see also subdivision under: Arctic Ocean)

Comparison of the radiometric scale of the continental Pleistocene with chronological schemes of deep-water sediments and the curve of solar radiation. V. A. Zubakov. Dokl. AN SSSR 171 no. 3 1153-1155 D '66

Inertia of air temperature of U.S.S.R. in different periods of solar activity. L. G. Borisova, G. I. Turkmenich. Trudy TSIP no. 154 23-33 '66

Interpretation of fluxes of outgoing radiation. III. P. Doronin, I. V. Stetsenko. Trudy ANU 277 5-10 '66

Mechanism underlying generation of drifting decimeter bursts of solar radio emission. V. V. Zaitsev. Astron. zhurn. 43 no. 6 1118-1156 N-D '66

Penetration of solar wind into geomagnetic field. M. V. Semukhin. Geomag. i aer. 6 no. 6 981-990 N-D '66

Quasi-spherical character of change in 27-day variation of cosmic rays with solar activity. M. V. Alimula, L. I. Doronin, I. Kh. Shalashvili. Geomag. i aer. 6 no. 6 1009-1009 N-D '66

Radio emission and atmospheric structure above apols. M. A. Livshits, V. N. Olsufko, S. B. Pikel'ner. Astron. zhurn. 43 no. 6 1115-1117 N-D '66

Relation of ionization in F2 layer to solar wave radiation according to observations at Yakutsk. A. P. Mamukov. Geomag. i aer. 6 no. 6 1036-1040 N-D '66

Rushin, N. P. [The heat balance of our planet]. Teplovoy balans nashel planety. Moskva, Znanie, 1967. 63 p. (Novoe v zhizni, nauke, tekhnike. XIII seria. Nauka o Zemle, no. 1)

Stable geomagnetic micropulsations and solar corpuscular streams. O. V. Bol'shakova. Geomag. i aer. 6 no. 6 1029-1033 N-D '66

Tushinskii, G. K. [Space and the natural rhythms of the earth]. Kosmos i zhizn' planety Zemli. Moskva, Prosveshchenie, 1966. 118 p. (Novoe v nauke)

SOLAR RADIATION--MAPS see subdivision under: Caspian Sea region

## SOLAR RADIATION--SPECTRA

Spectral absorption of long-wave radiation in atmosphere. A. P. Iugensen. Trudy ANU 277 11-19 '66

## SOLASODINE

Study of the biosynthesis of solasodine by the method of oxidative degradation. A. R. Guseva, V. P. Pashentchenko, Blotshimila 27 no. 5 871-858 S-O '62

## SOLENOIDS

Some effects due to the diamagnetism of a superconducting toroidal winding. P. I. Terinovskii. Dokl. AN SSSR 171 no. 5 1081-1087 D '66

## SOLID SOLUTIONS see Solutions, solid

## SOLIDIFICATION

Contact of ingots with mold walls during continuous casting. L. S. Rudol, N. P. Mal'mov, I. I. Kushnarev. Stal' 26 no. 12 1093-1095 D '66

Process of the formation of extra-axial heterogeneity in ingots. A. A. Zborovskii, G. I. Rabinovich. Izv. vys. uch. zap., khim. i fiz. 9 no. 12 11-19 '66

## SOLIDS

"Crack effect" in rubber, aluminum and copper. A. A. Dugailon, A. A. Kargazev, K. O. Movseyan. Izv. AN Arm. SSR, Fiz. 1 no. 4 261-266 '66

Hardness of ampic compounds. G. S. Mel'nikov, V. V. Tarasov. Trudy MKIPI no. 41 5-7 '63

## SOLONETZ SOILS see subdivision under: Dzhanibek region (Kazakhstan); Rostov Province; Tien Shan, Ukraine; Volga Valley

## SOLOVETSKYI ISLAND--LIBRARIES, CHURCH

The Solovetskyi Library and its founder. Father Superior Dmitriy, N. N. Rozov. Trudy ODRL 15 271-301 '62

## SOLUBILITY

Gas chromatographic method of determining solubility in volatile liquids. G. A. Kuznetsov, A. V. Iugensen, Zhur. fiz. khim. 40 no. 11 2528-2530 N '66

Solubility of calcium sodium hydroxides in alkali and aluminum solutions. I. P. Ni, I. G. Romanov, E. P. Galpova. Trudy inst. mel. i obog. AN Kazakh. SSR 16 65-69 '66

## SOLUBLE GLASS

Use of soluble glass as retarder of steel corrosion. A. I. Kisevskii, P. V. Ivanova. Usp. khim. zhurn. 32 no. 12 1352-1356 '66

## SOLUTION (CHEMISTRY)

Cell for spectrophotometric study of aqueous solutions at temperature up to 200°. G. G. Mikhailov, P. A. Zagorits. Trudy MKIPI no. 41 31 '63

## SOLUTIONS, SOLID

Aluminate-aluminoferite cements. M. M. Nikolaev, I. U. M. But, V. V. Timashev. Trudy MKIPI no. 41 138-143 '63

Dependence of forbidden band width on composition of solid solution in action 2CdTe - CuInTe<sub>2</sub> of system Cu - Cd - In - Te. V. P. Cherniavskiy, N. O. Horimova, R. I. Khansenzayov. Ukr. fiz. zhurn. 11 no. 11 1235-1237 N '66

Diffusion effects in plastic deformation of friction surfaces. B. I. Kostetskiy, I. P. Lyuzhenko, A. S. Bol'sh. Dop. AN URSS no. 11 410-417 '66

Emission from n - p transitions on crystals of solid solutions of indium phosphide - gallium arsenide. N. N. Sirota, V. I. Olsinskiy. Dokl. AN SSSR 171 no. 2 317-318 N '66



## SOLUTIONS, SOLID (Continued)

- Precipitation and study of some physical properties of solid solutions of HfC - MoC and TaC - MoC. O. I. Shubshova, I. A. Shchurba. Izv. AN SSSR Neorg. mat. 2 no 12 2145-2150 D '66.
- Precipitation of solid solutions of NiSb - In<sub>3</sub> as polycrystalline ingots. I. I. Bol'shovich, I. A. VASSER. Neorg. mat. 2 no 12 2130-2141 '66.
- Rate of coprecipitation of cations with sulfides. Report No. 2. Formation of solid solutions. V. I. Rudnev, G. I. Malafayeva. Zhur. anal. khim. 21 no 10 1161-1164 '66.
- Structural characteristics of solid solutions of chromium disulfide with disulfides of vanadium and titanium. L. P. Zhilina and others. Pribl. mat. 6 no 11 66-71 '66.
- Studying temperature factor in solid solution crystals in systems (uran - mercury biphosphate). V. D. Samarskaya, R. M. Miasnikova, A. I. Kiselevskii. Kristallografiya 11 no 6 635-638 '66.

## SOLUTIONS, SOLID—DIELECTRIC PROPERTIES

- Structure and dielectric properties of solid solutions in the system PbLi<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub> - Pb<sub>2</sub>CdWO<sub>6</sub>. O. B. Didkovskaya, V. V. Klimov, H. N. Vasyutsev. Izv. AN SSSR Neorg. mat. 2 no 11 2010-2014 N '66.

## SOLUTIONS, SOLID—THERMOELECTRIC PROPERTIES

- Electric and thermal properties of solid solution Mg<sub>2</sub>Si - Mg<sub>2</sub>Se. E. N. Nikitin, V. K. Zaitsev. Izv. AN SSSR Neorg. mat. 2 no 11 1961-1965 N '66.

## SOLVENTS

- Effect of nature of solvent on intrinsic viscosity and size of polychloroprene macromolecules. A. V. Gvorkian, R. V. Bagdasarian, L. G. Mel'kman. Izv. AN Arm. SSR Fiz. 1 no 2 75-80 '66.
- Temperature dependence of intrinsic viscosity of polychloroprene in poor and good solvents. A. V. Gvorkian. Izv. AN Arm. SSR Fiz. 1 no 3 195-199 '66.
- Temperature dependence of size of polychloroprene molecules in solution. A. V. Gvorkian, R. V. Bagdasarian, I. G. Mel'kman. Izv. AN Arm. SSR Fiz. 1 no 2 81-84 '66.

## SOMALIA—TECHNICAL ASSISTANCE, RUSSIAN

- Boarding school for the Republic of Somalia. I. U. Karal'shina, K. Kaptelev. Prikl. i teoret. Mosk. 12 no 6 31-33 Ju '63.

## SOMATOTROPIN

- Content of growth hormone in patients with tumors. B. M. Gazetov, M. I. Bilabokhin. Vopr. onk. 12 no 12 30-31 '62.
- Effect of the somatotrophic hormone and ACTH on the regenerative process in an experimental wound. A. A. Votkevich. Biol. eksp. biol. med. 55 no 6 92-97 Ju '63.

## SONAR IN FISHING

- Hydroacoustic method of determining fish stock in a sparse school. O. N. Kislev, M. D. Truskanov, M. N. Shchobano. Trudy PINRO no 13 5-25 '62.
- Improvement in scouting qualifications of sonar "Delphin". A. G. Lapin. Ryb. khoz. 42 no 11 57 '66.

## SONGS—HISTORY AND CRITICISM

- Vasina-Grossman, V. A. [The romantic song of the 19th century]. Romanicheskaia pesnia XIX veka. Moskva, Muzyka, 1966. 404 p.

## SORBENTS

- Adsorptive properties of various sorbents for methylacetene. V. I. Miakinenkov, N. S. Torocheshnikov, N. V. Koltsev. Trudy MKITL no 11 86-190 '63.
- Effect of sorbent structure on selective character of adsorption of components in benzene-ethyl alcohol binary mixtures. V. S. Komarov, A. T. Il'ozin. Dokl. AN BSSR 10 no 9 668-671 S '66.

## SORGE, RICHARD, 1895-1944

- Legends and real facts about Richard Sorge. F. Volkov. Voenn. ist. zhur. 8 no 12 96-102 D '66.

## SORGHUM BREEDING see subdivision under Kuban

## SORPTION

- Kinetics of water sorption on zeolites. H. S. Lezin, M. I. Dubinin. Dokl. AN SSSR 171 no 2 382-384 N '65.
- Some data on laboratory research on the sorption capacity of loams. M. I. Dedusenko, V. I. Kan., gl'dr. goor. no 1 139-146 '66.

## SOSNITSIA DISTRICT (CHERNIGOV PROVINCE)—HISTORY

- O. P. Dorzhenko and the extracurricular study of local history. I. Z. Onyschenko. Ukr. ist. zhur. 10 no 12 108-108 D '66.

## SOUND—APPARATUS

- Method for selecting materials for ultrasonic concentrators. E. G. Kononov, M. D. Tjajlovskii. Dokl. AN BSSR 10 no 12 945-949 D '66.

## SOUND—PHYSIOLOGICAL EFFECT

- Electrographic manifestation of interaural inhibition in the medulla oblongata, mesencephalon and cerebral cortex of dogs to sound stimuli of various intensities. T. S. Naumova. Zhur. vys. neiv. aciat. 12 no 3 489-489 My-Je '62.

## SOUND—SPEED

- Determination of the speed of ultrasound in a substance by the method of a composite resonator. G. A. Umit'skii, V. V. Tatarsov. Trudy MKITL no 4 10-13 '63.

## SOUND WAVES

- Propagation of four sound in helium near  $\lambda$ -point. D. G. Kapit'ke. Zhur. eksp. i teor. fiz. 51 no 5 1550-1556 '66.
- Using the electromagnet method in the excitation of standing sound waves in Bi. V. F. Gantmakher, V. T. Dolgovolov. Pribl. i teoret. zhur. eksp. i teor. fiz. 51 no 5 117-120 Ja '63.

## SOUND WAVES—SPEED

- Fourth sound velocity in He<sup>3</sup>-He<sup>4</sup> solutions. B. N. Psel'mon and others. Zhur. eksp. i teor. fiz. 51 no 4 1064-1070 O '66.

- Sound propagation velocity in nonaqueous liquids and its temperature dependence. V. M. Tutov, M. I. Otyashchenko. Ukr. fiz. zhur. 11 no 11 37-126 N '66.

## SOUTH AFRICA, REPUBLIC OF—RACE QUESTION

- Suppressors of freedom. V. Kasimov. Mol. kotom. no 3 108-111 Mr '61.

## SOUTH AMERICA—TRADE UNIONS

- [Trade unions of South American countries]. Profsoyuz stran Ruzhnoi Ameriki. [Moskva] Proizdat, 1966. 182 p. (Profsoyuz mha)

## SOUTH ASIA—EDUCATION

- Socioeconomic progress and educational problems in the countries of South Asia (India, Pakistan, Ceylon). A. G. Smirnov. Sov. pedag. 30 no 8 122-131 Ag '66.

## SOUTHERN BUG VALLEY—COSSACKS

- New materials on the history of the Bug Valley Cossacks. I. O. Khilom. Ukr. ist. zhur. 10 no 11 23-127 N '66.

## SOUTHERN RHODESIA see Rhodesia

## SOVETSKOYE DISTRICT (STAVROPOL TERRITORY)—COLLECTIVE FARMS—PENSIONS

- Committee reports. A. Evdokimova. Sois. shchep. 11 no 12 14-15 D '66.

## SOVIET CENTRAL ASIA—ARCHITECTURE AND CLIMATE

- Orientation of school buildings in Central Asia. S. Saitkisev, I. G. Iler, V. Zhelezniakov. Zhil. stroit. no 10 19-21 '66.

## SOVIET CENTRAL ASIA—ATMOSPHERIC TEMPERATURE

- Temperature gradients of air on glaciers. A. S. Shehtin-nikov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no 27 18-23 '66.

## SOVIET CENTRAL ASIA—BEETLES, FOSSIL

- Beetles of family Cupedidae from Lower Tertiary of Central Asia. A. G. Ponomarenko. Paleont. zhur. no 4 47-60 '66.

## SOVIET CENTRAL ASIA—BOW AND ARROW

- Sectional bows in ancient Central Asia. B. A. Litvin'skii. Sov. arheol. 10 no 4 51-63 '66.

## SOVIET CENTRAL ASIA—COMMUNIST YOUTH LEAGUE

- Work of the political sections of machine-barcot stations with the rural youth of Uzbekistan, 1933-1934. A. N. Nurtov. Nauch. trudy TashGU no 281 97-103 '66.

## SOVIET CENTRAL ASIA—COOPERATIVE SOCIETIES

- Socialist reorganization of small-scale industrial production in the republics of Central Asia. G. Iudin. Trudy Ikonom. fak. Kir. gos. un. no 1 166-177 '64.

## SOVIET CENTRAL ASIA—CORALS, FOSSIL

- Biostratigraphic characteristics of Paleozoic Tabulata and Heliothoidae in Central Asia. V. L. Leleshin. Paleont. zhur. no 4 31-30 '66.

## SOVIET CENTRAL ASIA—COTTON

- Agroclimatic zoning of cotton according to the optimal temperature conditions during the vegetative period in the subtropical belt of the Central Asian republics. V. F. Khanin. Sbor. trudy i mol. nauch. sotr. VIR no 2 361-366 '61.

## SOVIET CENTRAL ASIA—CROPS AND CLIMATE

- Agroclimatic zoning of cotton according to the optimal temperature conditions during the vegetative period in the subtropical belt of the Central Asian republics. V. F. Khanin. Sbor. trudy i mol. nauch. sotr. VIR no 2 364-366 '61.

## SOVIET CENTRAL ASIA—GLACIERS

- Temperature gradients of air on glaciers. A. S. Shehtin-nikov. Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no 27 18-23 '66.

## SOVIET CENTRAL ASIA—HANDICRAFT

- Socialist reorganization of small-scale industrial production in the republics of Central Asia. G. Iudin. Trudy Ikonom. fak. Kir. gos. un. no 1 166-177 '64.

## SOVIET CENTRAL ASIA—HEALTH RESORTS, WATERING PLACES, ETC.—DESIGN AND CONSTRUCTION

- Planning and construction of health resorts in the republics of Central Asia. I. Iurov. Arkhit. SSSR no 6 15-21 '66.

## SOVIET CENTRAL ASIA—HISTORIOGRAPHY

- Pre-revolutionary studies devoted to the ancient history of Central Asia. R. M. Rakhmanova. Nauch. trudy TashGU no 281 5-10 '66.

## SOVIET CENTRAL ASIA—HYMENOPTERA, FOSSIL

- New Hymenoptera (Hymenoptera) from Mesozoic of Asia. A. P. Rakhmanov. Paleont. zhur. no 1 49-55 '66.

## SOVIET CENTRAL ASIA—INDUSTRIAL PROCUREMENT

- Some problems in supplying materials and equipment to the industry of Central Asian Republics. O. Tynayev. Trudy Ikonom. fak. Kir. gos. un. no 1 89-93 '64.

## SOVIET CENTRAL ASIA—LEPROSY—CONGRESSES

- References. Vest. deim. i ven. 37 no 3 81-81 Mr '61.

## SOVIET CENTRAL ASIA—MEADOW GRASS

- Dormant period of the bulbs of Poa bulbosa var. vivipara Kozlov. M. Kh. Khalilov. Biol. Glas. Ist. sad. no 4 79-81 '66.

## SOVIET CENTRAL ASIA—MELONS—WATER REQUIREMENTS

- Characteristics of the Central Asian types of melons according to physiological characteristics. N. G. Goudyeva. Sbor. trudy i mol. nauch. sotr. VIR no 2 162-169 '61.

## SOVIET CENTRAL ASIA—NATIONALITIES

- The Russian working class and the development of the national republics of Central Asia and Kazakhstan. A. Baguldinov, A. Vishnevskii. Kommunist. 11 no 2 11-25 I '61.

## SOVIET CENTRAL ASIA—NEWSPAPERS

- How the bourgeois press covered social and political events in Turkistan in 1911. Kh. A. Idrisov. Nauch. trudy TashGU no 281 61-71 '66.

## SOVIET CENTRAL ASIA—ORIBATIDAE

- Oribatid mites (Oribatida, Acariformes) in soils of Central Asia. D. A. Kivshinskii. Zool. zhur. 45 no 11 1628-1639 '66.

## SOVIET CENTRAL ASIA—PETROLOGY—CONGRESSES

- First Central Asian Petrographic Conference. P. N. Goudyeva, V. N. Moskalova. Sov. geol. 8 no 11 112-111 N '66.

## SOVIET CENTRAL ASIA—REVOLUTION, 1917-1921

- Soviet historiography of the October Revolution in Central Asia. Kh. Sh. Isolatov, L. M. Iancha. Ist. SSSR 10 no 6 3-25 N-D '66.

## SOVIET CENTRAL ASIA—SCHOOLHOUSES—DESIGN AND CONSTRUCTION

- Orientation of school buildings in Central Asia. S. Saitkisev, I. G. Iler, V. Zhelezniakov. Zhil. stroit. no 10 18-21 '66.

## SOVIET CENTRAL ASIA—SULFUR MINES AND MINING

- Blasting operations in underground mining of sulfur deposits of Central Asia. A. V. Khomchenko, I. A. Rastvor-ginov. Gor. zhur. no 12 62-61 '66.

## SOVIET CENTRAL ASIA—TREE PLANTING

- Planting on unirrigated lands. V. V. Panekov. Prikl. prikl. khoz. 10 no 12 38-39 '66.

## SOVIET CENTRAL ASIA—WEED CONTROL

- Gorslun, M. S., and T. N. Guseva. [Chemical method for weed control in forest nurseries and plantations in Central Asia]. Khimicheskiy metod bor'by s oboimkami v lesnykh pitomnikakh i kul'turakh v uslov'iyakh Srednei Azii. Moskva, Leningradskiy promyshl., 1966. 50 p. (DNL)

## SOVIET FAR EAST—ANGELICA

- Chemical systematic studies of the Far Eastern species of Angelica. I. G. K. Nikonov, M. G. Pimenov, P. B. Zorin. Rast. res. 2 no 4 505-513 '66.

## SOVIET FAR EAST—BIOCHEMISTRY—CONGRESSES

- Akademika nauk SSSR, Dal'novostochnyi filial. [Chemical studies of natural resources of the Far East. Abstracts of reports of the Council of the Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U.S.S.R. on research results for 1964; section on chemical sciences]. Khimicheskie issledovaniya prirodnykh resursov Dal'nego Vostoka. Tezisy dokladov i soobshchenii na sessii Soveta DV filiala SO AN SSSR po itogam nauchnykh issledovaniy 1964 goda; seksiya khimicheskikh nauk. Vladivostok, 1965. 34 p. [MICROFILM]

## SOVIET FAR EAST—BIOLOGICAL RESEARCH

- Akademika nauk SSSR, Dal'novostochnyi filial. [Abstracts of reports from the session of the Council of the Far Eastern Branch of the Siberian Department of the Academy of Sciences of the U.S.S.R. on the results of research in 1964. Section of the Biological and Geographical Sciences]. Tezisy dokladov iz sessii Soveta Dal'novostochnogo filiala Sibirskogo otdeleniya Akademii nauk SSSR po itogam nauchnykh issledovaniy 1964 goda. Seksiya biologicheskikh i geograficheskikh nauk. Vladivostok, 1965. 25 p. [MICROFILM]

## SOVIET FAR EAST—COMMUNISM

[History of the struggle for the Soviet regime and the building of socialism in the Far East] Iz istorii bor'by za Sotsializmi vostochnykh kraev. Gosudarstvennyi pedagogicheskiy institut 1965 161 p.

## SOVIET FAR EAST—CONSTRUCTION INDUSTRY

Encounters with readers in the Far East. Na Stroi. Ros. 7 no. 11-23 N '66.

For quick solution of problems of Far East builders. E. Sidorenko. Na Stroi. Ros. 7 no. 11-2 N '66.  
In planning take into account local conditions. G. Kotenko. Na Stroi. Ros. 7 no. 11-6 N '66.  
Work of Orgkhozstroy in building up of Far East. V. Serov. Na Stroi. Ros. 7 no. 11-5-6 N '66.

## SOVIET FAR EAST—CONSTRUCTION INDUSTRY—MANAGEMENT

Experience in setting up trusts for building mechanization. D. Negoda. Na Stroi. Ros. 7 no. 11-7-8 N '66.

## SOVIET FAR EAST—FOREST INSECTS

Akademika nauk SSSR. Dal'neyostochnyi filial. Biologicheskii institut [Institute for forest insects in the Soviet Far East] Vrednye nashekomye lesov sovetskogo Dal'nego Vostoka. Vladivostok, Akad. nauk SSSR, 1966. 184 p. (DNAI.)

## SOVIET FAR EAST—GEOGRAPHICAL RESEARCH

In the Institute of Geography of Siberia and the Far East (April 1963-May 1963). R. P. Polevoi. Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 19-71-79 '65.  
Many-sided geographical problems of the Far East. F. I. Ignat'ev and others. Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 10, 3-8 '65.

## SOVIET FAR EAST—GOLD ORES

Studying characteristics of localization of gold deposits using electronic digital computers. A. P. Kuklin. Dokl. AN SSSR 171 no. 2 129-130 N '66.

## SOVIET FAR EAST—HARDWOODS

Rhythm of the seasonal development of generative shoots in hardwood trees in the Far East. G. P. Belostokov. Biol. Glav. bot. sadu no. 63 73-77 '66.

## SOVIET FAR EAST—LABOR AND LABORING CLASSES—STATISTICS

Changes in the size of the working class of Siberia and the Far East in the years of the Great Patriotic War, 1941-1945. G. A. Dukachyev. Izv. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 3 100-105 '66.

## SOVIET FAR EAST—MEDICAL GEOGRAPHY—RESEARCH

Medical geography and reclamation of new areas in Siberia and the Far East. F. I. Ignat'ev. Dokl. Inst. geogr. Sib. i Dal'. Vost. no. 9, 26-31 '65.

## SOVIET FAR EAST—MICROBIOLOGICAL RESEARCH

Development of microbiology in Siberia and the Far East. V. I. Potvin. Mikrobiologiya 31 no. 2:378-380 M.-Ap '62.

## SOVIET FAR EAST—ORE DRESSING PLANTS—DESIGN AND CONSTRUCTION

Second section of "Solnechnyi" ore-dressing combine. S. Struchkov. Na Stroi. Ros. 7 no. 11-4-5 N '66.

## SOVIET FAR EAST—PLACER DEPOSITS

Vanadium titanomagnetite coastal placers in the Far East. N. V. Vasil'chikov, I. A. Pavlidis, N. P. Slovinaki-Sidak. Okeanologiya 6 no. 5:823-829 '66.

## SOVIET FAR EAST—RESEARCH

Development of science in Siberia and the Far East on the eve of the war. F. A. Lukinskii. Izv. SO AN SSSR no. 9, Ser. obshchestv. nauk no. 3:92-99 '66.

## SOVIET FAR EAST—SEISMOLOGY

Seismicity of the Far East for 1961. L. N. Poplavskii, L. F. Volkova, F. D. Zhuk. Geol. i geofiz. no. 11:106-113 '63.

## SOVIET FAR EAST—TITANOMAGNETITE

Vanadium titanomagnetite coastal placers in the Far East. N. V. Vasil'chikov, I. A. Pavlidis, N. P. Slovinaki-Sidak. Okeanologiya 6 no. 5:823-829 '66.

## SOVIET FAR EAST—VOLCANOES

Concerning E. K. Ustiev's book "Anyuy Volcano and the Quaternary volcanism in the northeastern U. S. S. R." G. M. Zaridze. Izv. vys. ucheb. zav. geol. i razv. 0 no. 1:127-129 Ja '63.

## SOVIETS

(see also subdivision under Leningrad; Poltava Province; Ukraine)

Bannikh, M. P. [Soviets of workers' deputies as organs of people's power] Sovety deputatov trudiaschikh khsa - organy narodnoi vlasti. Moskva, Znanie, 1965. 40 p. (V pomezhch' lektury) (CST-II)

The governmental organs of a true democracy. V. Vasil'ev. Agitator no. 2:18-20 Ja '62.

Vasenin, V. K. [Deputies of local Soviets] Deputat mestnogo Soveta. Moskva, Uzd. lit-ry, 1967. 77 p.

## SOWING

Sowing row crop seeds by single-seed planting apparatus. T. G. Guseinov, A. F. Koshurnikov. Zap. LSKH 96: 210-216 '65.

## SOYBEAN seed subdivision under Amur Province

## SPACE AND TIME

Space-time distribution of geomagnetic perturbation. V. M. Mishin. Sbornik nauch. prog. MGG no. 8 102-104 '66.

## SPACE ARRANGEMENTS OF PLANTS see Plants, Space arrangements of

## SPACE FLIGHT—PSYCHOLOGICAL ASPECTS

Space psychology. V. V. Parin, F. D. Golubev, I. P. Kosminskii. Psichika 55 no. 12:3-12 '66.

## SPACE MEDICINE

Microbiological studies of factors in space flight. I. M. Volynkin, P. P. Sazonov. Izv. AN SSSR Ser. Biol. no. 3 405-418 Mye '63.

## SPACE PERCEPTION

Spatial and color visual effects during the observation of a rotating image. L. N. Mogilev. Izv. Vost.-Sib. otd. Geogr. obsh. VSSR 60 131-137 '62.

## SPACE VEHICLES—PROPULSION SYSTEMS

Grodzovskii, G. I., I. N. Ivanov, and V. V. Tokarev. [Mechanics of a low thrust space flight] Mekhanika kosmicheskogo poleta s maloi itagol. Moskva, Nauka, 1966. 679 p.

## SPACES, GENERALIZED

Green's function of elliptically branched Riemann space. M. D. Marlynenko. Dop. AN URSS no. 11:1366-1390 '66.

Surfaces in E<sub>n</sub> space producing evolutive sequences of surfaces. L. N. Krivososov. Izv. vys. ucheb. zav. mat. no. 6:71-84 '66.

## SPAIN—CIVIL WAR, 1936-1939

Memoirs of a diplomat. K. Maldenik. Nov. mir 39 no. 3 273-276 Ma '63.

## SPAIN—CIVIL WAR 1936-1939—LATVIAN PARTICIPATION

Latvijas Komunistiska partija. Centrālā Komiteja. Partijas vestures instituts [Latvian combatants in Spain, 1936-1939, memoirs and documents] Latvijas cīnītāji Spanijā 1936-1939; atmiņas un dokumenti. Rīga, Liesma, 1966. 595 p. [in Latvian]

## SPAIN—CIVIL WAR, 1936-1939—RUSSIAN PARTICIPATION

Battles for Teruel. I. A. Tenkonogov. Voenn. ist. zhurn. 0 no. 12:62-66 D '66.

## SPAIN—COMMUNIST PARTY

Pozharskaya, S. P. [Socialist Labor Party of Spain, 1931-1939] Sotsialisticheskaya rabochaya partiya Ispanii 1931-1939. Moskva, Nauka, 1966. 224 p.

## SPAIN—DESCRIPTION AND TRAVEL

From Cordoba to Seville. G. Bolandzhiev, V. Komisarzhievskii. Nov. vsem. 25 no. 1:24-26 Ja '67.

## SPAIN—HISTORY

A panorama of Spanish Fighters. A. Starostin. V mire knig 6 no. 11:38 N '66.

## SPAIN—POLITICS AND GOVERNMENT

Against the regime of terrorism and violence. E. Kozulina. Mol. komm. no. 4:86-100 Ap '61.  
Francism attacked by the working class. Enaebio Cimorra. Nov. vsem. 25 no. 9:14-15 P '67.

## SPANISH LITERATURE—HISTORY AND CRITICISM

A panorama of Spanish Fighters. A. Starostin. V mire knig 6 no. 11:38 N '66.

## SPASMS

Experimental vascular spasm in hind limbs caused by a chronic irritation of the lumbar sympathetic ganglia. M. P. Vilenskii, I. M. Gal'perin. Eksp. khir. i anest. 0 no. 8:55-56 N-D '63.  
Mechanism of spasmodic predisposition. V. N. Shil'skii. Zhur. nevro. i psikh. 66 no. 12 1823-1828 '66.

## SPASTIC PARALYSIS see Paralysis, Spastic

## SPECIAL LIBRARIES see Libraries, Special

## SPECTROPHOTOMETER

Spectral analysis of solutions by means of the ST-7 spectrophotometer. V. F. Marchenkov. Trudy MKHIT no. 41:32-33 '63.

## SPECTROPHOTOMETRY

Cell for spectrophotometric study of aqueous solutions at temperature up to 200°. G. G. Mikhailov, P. A. Zagorets. Trudy MKHIT no. 41:31 '63.

Chlorophosphonazo III as reagent for spectrophotometric determination of barium. A. M. Lukin, K. A. Smirnova, T. V. Chernysheva. Zhur. anal. khim. 21 no. 11:1300-1302 '66.

Modification of the SF-10 spectrophotometer for the purpose of measuring optical density in definite wavelength. E. Krupa and others. Vop. med. khim. 12 no. 6:634-641 N-D '66.

Pyridyl azo compounds as reagents for indium. Report No. 3. Complexometric and spectrophotometric determination of indium with bromo derivatives of pyridyl-azoaminocresol. S. I. Gusev, E. M. Nikolaeva. Zhur. anal. khim. 21 no. 10 1187-1190 '66.

Recording by means of radiometric instruments of luminous flux in a spectrophotometer within a wide range of optical densities. G. G. Mikhailov, P. A. Zagorets. Trudy MKHIT no. 11:29-30 '63.

Spectral reflecting capacity of soils and farmlands in the mild steppe zone. V. G. Polakov, N. A. Raspolovskii. Vest. Mosk. univ. 5 Geogr. 21 no. 6:85-87 N-D '66.

Spectrophotometric analysis of products of liquid-phase p-cymene oxidation by oxygen using mathematical treatment of spectra. V. S. Gruev, G. M. Panchenkov. Zhur. anal. khim. 21 no. 10 1271-1276 '66.

Spectrophotometric determination of nickel, cobalt, and chromium in acids. Report No. 1. Estimation of systematic errors arising at the expense of undetermined components. N. P. Komar', L. S. Palagina. Zhur. anal. khim. 21 no. 11:1321-1332 '66.

Spectrophotometric study of complex formation of iron (III), neodymium (III), and indium (III) with 2,2'-diaminodithiol sulfide of N, N', N'-tetraacetic acid. N. M. Zhitnova, K. V. Avdeyev, S. A. Timrov. Zhur. nevro. khim. 11 no. 11:2638-2642 N '66.

Spectrophotometric study of complexes of some elements with methylthymol blue. V. N. Tikhonov. Zhur. anal. khim. 21 no. 10 1172-1178 '66.

Spectrophotometric study of some oxazo compounds as reagents for scandium. A. I. Gusev, G. E. Lushina, N. N. Buzargin. Zhur. anal. khim. 21 no. 12 1413-1419 '66.

Spectrophotometry of radio source CTA-102. V. I. Pronik. Astron. zhur. 43 no. 6 1207-1210 N-D '66.

## SPECTROPHOTOMETRY—CONGRESSES

Soyezhdaniye po problemam upravlyaniya biosintezom i biofiziki populatsii, 1965 [Biochemical and biological spectrophotometry, reports of biochemistry and biological spectroscopy congresses]. Moskva, Nauka, 1967. 313 p.

## SPECTRUM, INFRARED

Chemisorption and reactivity of acetone mixtures with carbon monoxide and nickelous oxide as studied by means of infrared spectroscopy. A. A. Kachukhin, I. U. N. Rukav, S. Z. Roginskii. Dokl. AN SSSR 171 no. 5:1130-1133 D '66.

Infrared spectra of hardening of cement clinker minerals mixed with pozzolans. G. N. Kuznetsova and others. Izv. AN SSSR Neorg. mat. 2 no. 12 2239-2233 D '66.

Infrared spectroscopy study of the structure of some stable cellulose antibiotic derivatives. I. G. Zibunkov and others. Vysokom. soed. 1 no. 11:1006-1702 N '62.

Quantitative determination of chemical stability of hydrophobic organosilicon coatings by means of infrared spectroscopy. O. O. Pashchenko, K. K. Karyshev, S. I. Bae. Dop. AN URSS no. 11:44-45 '66.

Structure of adhesive active surface layer of oxidized polyethylene studied by means of infrared spectroscopy. F. K. Horlov and others. Koll. zhur. 28 no. 6:792-799 N-D '66.

Study of crystallization process of lead silicate glasses 2PbO.SiO<sub>2</sub> by means of infrared spectroscopy. L. V. Shubnova. Izv. AN SSSR. Neorg. mat. 2 no. 11:2015-2019 N '66.

Study of the reaction of aldehydes in carbon tetrachloride solution based on their infrared spectra. V. N. Ushakova, V. D. Gol'tsev, B. V. Tchernov. Zhur. fiz. khim. 40 no. 11:2865-2867 N '66.

Study of woodpulp structure by infrared spectroscopy. M. D. Ibragimov and others. Trudy VNIIB no. 61:186-194 '65.

## SPECTRUM, ULTRAVIOLET

Absorption of ultraviolet rays by sulfuric waste liquor. V. P. Kovalev. Sbornik nauch. prog. MGG no. 7:93-101 '66.  
Spectral characteristics and reactivity in radical polymerization of some vinyl aromatic monomers. A. V. Chernobai, Zh. S. Tirak'ina, R. A. Delatitskaya. Vysokom. soed. 8 no. 10:1804-1809 O '66.

Spectrographic study of products of polycondensation of diethyl terephthalate with various compounds. P. M. Bugal, V. N. Konal'skii, N. M. Timoshchukina, Vysokom. soed. 8 no. 10:1877-1880 O '66.

## SPECTRUM ANALYSIS

Chemical-spectral method of determining metal impurities in pure chromium. P. V. Marchenkov, I. N. Lugina. Ukr. khim. zhur. 32 no. 12:1343-1345 '66.

Chemical-spectral methods of analysis of high purity metals and semiconductor materials with the extraction of base component by  $\beta$ ,  $\beta'$ -dichlorodithiol ether. Report No. 1. Analysis of high purity antimony. I. G. Udolovskii and others. Zhur. anal. khim. 21 no. 12:1457-1461 '66.

## SPECTRUM ANALYSIS (Continued)

Determination of admittances in high-pressure medium and vacuum resonators. A. I. Fedotshina, I. G. Udalov. Zhur. anal. khim. 21 no. 10 1232-1235 '66

Effect of the composition of samples on intensity of lines of methyl bromide, krypton, and tin in spectral determination of traces and impurities. G. F. Gerasimov. Zhur. anal. khim. 21 no. 11 1507-1510 '66

Quantum analysis of photo-degenerated semiconductors and metals at direct transitions. A. K. Khloslyashki. Fiz. tsvetl. 6 no. 7 2074-2081. 31 '66

Fluorescence studies of glow discharge filaments. M. A. Bogdanov, E. I. Eremina. Zhur. anal. khim. 21 no. 11 2774-2775 '66

Structure of products of polymer analog transformations of polynuclear aromatic hydrocarbons by spectroscopic method. R. V. Glazovskiy, P. V. Mikhailov. Vysokom. soob. 8 no. 10 1673-1676 '66

Study of composition of microcomponents from solid solutions in alternating current by means of radioactive isotopes. B. O. Filonov, M. M. Pavlichenko. Dokl. AN BSSR 10 no. 12 457-460 '66

Use of standard lines in determining radiation energy of spectral lines. Sh. Bakhovashvili, G. V. Orlovskiy, L. E. Sanzhuganov. Dokl. AN Tadzh. SSR 9 no. 12 15-19 '66

## SPECTRUM ANALYSIS—CONGRESSES

Discussion of problems in optics and spectroscopy, All-Union Symposium in Novosibirsk. S. S. Ritsman. Vest. AN SSSR 36 no. 12 85-86 '66

## SPECTRUM ANALYSIS—INDUSTRIAL APPLICATIONS

Kuregian, S. K. [Using the method of spectrum analysis in evaluating the wear of internal combustion engines] Osenka iznosa dvigatelya vnutrennego sgoraniya metodom spektralnogo analiza. Moskva, Mashinostroyeniye, 1966. 151 p.

## SPECTRUM ANALYSIS—TABLES, ETC.

Stigunov, A. M., and N. S. Sventitskiy. [Tables of the spectral lines of neutral and ionized atoms H, He, Li, C, N, O, F, Ne, Na, Mg, Al, Si, Cl, Ar, K, Ca, Ti, Fe, Cu, Kr, Xe, Cs] Tablitsy spektral'nykh liniy neutral'nykh i ionizovannykh atomov H, He, Li, C, N, O, F, Ne, Na, Mg, Al, Si, Cl, Ar, K, Ca, Ti, Fe, Cu, Kr, Xe, Cs. Moskva, Atomizdat, 1966. 898 p.

## SPEECH CLINICS see subdivision under Kirov Province

## SPERMATOGENESIS

Specificity of the effect of lead on spermatogenesis. G. M. Egorova, N. G. Ivanov, I. V. Sanzhukin. Toks. nov. prom. khim. veshch. no. 8 33-41 '66

## SPEECH

Speech bearing and the determination of the degree of its development. S. Ivanova. Doshk. vosp. 39 no. 12 62-65 '66

## SPEECH, DISORDERS OF—DIAGNOSIS

Differential diagnosis of some forms of retarded speech. G. V. Matilevskaya. Uch. zap. MGPI no. 219:33-48 '61.

## SPEECH THERAPY

Comparative analysis of logopedic work on various forms of dyslalia. L. V. Melekhova. Uch. zap. MGPI no. 219, 59-72 '64.

Developing the grammatical structure of speech in children suffering from motor aphasia. S. N. Shakhovskaya. Uch. zap. MGPI no. 219:40-58 '61.

Logopedic work and its significance for the method of comprehensive therapy of voice disorders due to organic diseases of the larynx. E. S. Almazova. Uch. zap. MGPI no. 219 77-89 '61.

Logopedic work in cases of open rhinolalia after uranoplasty. T. N. Vorontsova. Uch. zap. MGPI no. 219:90-100 '64.

## SPERMATOGENESIS IN ANIMALS

Relationship between spermatogenesis and growth rate in fishes. A. M. Zelenin, I. F. Kubrak. Biol. res. vod. Mold. no. 4 73-81 '66

## SPHERICAL AND PRACTICAL ASTRONOMY see Astronomy, Spherical and practical

## SPHERULITES

Formation of nuclei of graphite spherulites. I. E. Bolotov. Rost. krist. 5, 190-198 '65.

## SPHYGMOGRAPHY

Method of simultaneous recording of pulse, frequency, and relative depth of respiration in small animals. O. A. Vlasovskiy, A. V. Iakimovich, V. N. Burmakina. Zool. zhur. 45 no. 11:1742-1743 '66

## SPLITTES

Some problems of genesis of splitters. V. V. Rjabov. Biol. zhur. 41 no. 1:153. 31-Ag '66.

## SPILLWAYS

Calculating and investigating the flow-thru capacity of pressure spillways and ejection in combined hydroelectric power stations. S. M. Silashtskiy. Gidr. stroit. 33 no. 7:26-30. 31 '63.

Discharge capacity of low spillways of trapezoidal profile. A. D. Pataash. Vod. khoz. no. 1:120-125 '66.

Estimating the work of spillways from flexible irrigation pipelines. A. I. Patukhno, Vod. khoz. no. 1:130-137 '66

## SPILLWAYS—VIBRATION

Excitation of pressure pulsations in apron slabs and the vibration of spillway dams. L. S. Maksimov. Trudy Gidropromkha. no. 7 61-68 '62

## SPINAL CORD

Electrophysiological data concerning the connections of the pallidum with other sections of the central nervous system in man. Report No. 2. Connections of the pallidum with the spinal cord centers and autonomic trunk formations. S. M. Gil'man and others. Bull. eksp. biol. med. 35 no. 5 9-13. My '63

## SPINAL CORD—DISEASES

Myelodysmetria in diseases of the spinal cord. V. Kh. Frenkel'. Med. rad. 7 no. 8 11-16. Ag '62

## SPINAL CORD—INNERVATION

Changes in SH group and RNA content in motoneurons of spinal cord of cat following stimulation of posterior rootlet by electric current pulse of different frequency. V. Dudenko, O. S. Merkulova. Dokl. AN SSSR 171 no. 2 407-409. N '66

## SPINAL CORD—SURGERY

Postnatal intensification of the spinal reflexes following deafferentation. N. V. Veber. Fiziol. zhur. 48 no. 10: 1187-1191. O '62

## SPINAL CORD—WOUNDS AND INJURIES

"Changes in the brain and spinal cord in a closed trauma of the cranium" by B. I. Shastapov. Zhur. nov. 1 psikh. 63 no. 1:156-157 '63

Disorders and recovery of motor functions in ducks following lateral hemisection of the spinal cord. S. N. Ivanova. Bull. eksp. biol. med. 55 no. 5:29-32. My '63

## SPINAL NERVES see Nerves, Spinal

## SPINDLE TREE

Kaempferol-3, 7-dihydroxyiside from the leaves of warty-bark spindle tree. N. V. Seigeeva. Rast. res. 2 no. 4 516-519 '66

## SPINE—ABSCESS

Late results of the treatment of tuberculous spondylitis complicated by infiltrative abscesses. B. P. Kirillov, A. T. Izvekova. Khirurgiya 42 no. 11 100-103. N '66

## SPINE—BLOOD SUPPLY

Acute disorders of spinal blood circulation. D. A. Markov, L. S. Gikina. Zhur. nov. 1 psikh. 67 no. 1:46-42 '67.

## SPINE—DISEASES

Insufficiency of spinal blood circulation. E. I. Shakhmurova, R. A. Polozova. Zhur. nov. 1 psikh. 67 no. 1:15-50 '67.

Ischemic myelomalacia. I. P. Sokolov. Zhur. nov. 1 psikh. 67 no. 1:42-45 '67.

The pustulous and arthropathic form of psoriasis. V. P. Lysov, V. V. Orlovskiy. Vest. dermat. ven. no. 12:60-61 '62.

## SPINE—FRACTURE

Controversial problems in the treatment of spinal fractures. E. R. Bogdanov. Travmatologiya no. 1 100-109 '65.

Invalidity following compressive fractures of the spine. V. I. Zolotareva. Travmatologiya no. 1:75-80 '65.

## SPINE—HYDATIDS

Spinal echinococcosis. N. V. Sakharova. Trudy Novoruz. GIDUVA 32:117-120 '65

## SPINE—SURGERY

Late results of the treatment of tuberculous spondylitis complicated by infiltrative abscesses. B. P. Kirillov, A. T. Izvekova. Khirurgiya 42 no. 11 100-103. N '66

## SPINE—TUBERCULOSIS

Late results of the treatment of tuberculous spondylitis complicated by infiltrative abscesses. B. P. Kirillov, A. T. Izvekova. Khirurgiya 42 no. 11 100-103. N '66.

## SPINNING

Adopting a plan for scientifically based work organization in the drawing department. S. T. Kilbanov. Tekst. prom. 20 no. 12:10-13. D '66.

Method of the determination of fiber direction in semi-finished products. P. I. Aristov. Inv. vyz. uch. zav., tekhn. tekst. prom. no. 5:24-28 '66.

Responses to A. V. Toroptsev's and G. M. Efros' articles "Ways of improving the quality of yarn." I. P. Volkov, E. M. Ukrainskiy. Tekst. prom. 26 no. 12 38-60. D '66.

## SPINNING—QUALITY CONTROL

Using the unevenness index in determining the perfection degree of the technological process of spinning. V. E. Fedorova, L. M. Butuzova, K. A. Pichkanova. Tekst. prom. 20 no. 12 17-20. D '66.

## SPINNING MACHINERY

Analysis of the movement of fibers in the drawing unit during single-process production of yarn. B. S. Mikhaylov. Inv. vyz. uch. zav., tekhn. tekst. prom. no. 5 51-59 '66

Determining the speed of spindles by calculation. S. S. Kochetkov. Tekst. prom. 26 no. 12 21-26. D '66.

Individual element of the theory of the smooth flattening rolls. A. M. Ipatov. Inv. vyz. uch. zav., tekhn. tekst. prom. no. 5 16-10 '66

Study of the tension and deflection of high-bulk yarn on a single-process machine of the frictional type. V. A. Ushenko, I. V. Dodonkin, V. A. Rodionov. Inv. vyz. uch. zav., tekhn. tekst. prom. no. 5:60-61 '66

## SPINNING MACHINERY—PARTS

Polymer materials in spinning elements. N. M. Kilmishchevich, S. V. Nikolov, I. T. Dolgikh. Prom. Bel. no. 1:11. D '66

## SPIRODECENE

Autoxidation of spirodecene-5-ene and 5-methylspirodecene-5-ene. A. I. Chirko, V. S. Pev. Tekhn. zhur. 2 no. 11 2038-2041. N '66

## SPIROUNDECANE

Catalytic conversion of spiro-5-ene-5-ene on a platinum catalyst. N. V. Pliginskaya and others. Tekhn. zhur. 3 no. 5:663-667. S-O '61

## SPTAK DISTRICT—CORN (MAIZE)—FERTILIZERS AND MANURES

Fertilizer for corn in Sptak District. G. M. Mutirov. Soob. lab. agrokhem. AN Ar. M. SSR no. 4:83-86 '61

## SPTAK DISTRICT—SUGAR BEETS—FERTILIZERS AND MANURES

Effectiveness of using boron and manganese for sugar beets in Sptak District. I. H. Ushenko, N. R. Mel'nikova. Soob. lab. agrokhem. AN Ar. M. SSR no. 1:71-75 '61

## SPLANCHNIC NERVES see Nerves, Splanchnic

## SPLEEN—CANCER

Metastasis of malignant tumors into the spleen. Vop. onk. 9 no. 3 58-61 '63

## SPLEEN—INNERVATION

Disturbance of sympathoplegia in a denervated spleen following total-body irradiation. S. N. Alexandrov, I. A. Prikhodko, Z. B. Tokmakova. Vop. radiobiol. 3 40-67 '61.

## SPONTANEOUS COMBUSTION see Combustion, Spontaneous

## SPORADIC ICE (IONOSPHERE)

(see also subdivision under) Minny Station, Antarctica

Studying  $f_{min}$  and  $f_{min}^2$  variations. O. Olegovich. Geomag. i aer. 6 no. 6 1041-1046. N-O '66.

## SPORE-FORMING BACTERIA see Bacteria, Spore-forming

## SPORES (BOTANY)

Electron microscope study of Micromonospora vulgaris spores. N. S. Agre. Mikrobiologiya 31 no. 2:275-276. M-Ap '62.

## SPORTS

Modern system of sports competition. L. S. Khomenkov. Teor. i prak. fiz. kul't. 29 no. 11:6-11. N '66.

Sports beacon. V. Silveriev. Sov. profsoyuz. 22 no. 23 26-28. D '66.

## SPORTS—PHYSIOLOGICAL ASPECTS

Characteristics of mastery in sports in the making. I. V. Verkhovskiy. Teor. i prak. fiz. kul't. 29 no. 11:10-21. N '66.

Characteristics of training athletes under lowest atmospheric pressure conditions. A. V. Sedov, A. N. Murin. Teor. i prak. fiz. kul't. 29 no. 11:12-15. D '66

Situation of kidneys in athletes. A. G. Mikhaylovskiy. Teor. i prak. fiz. kul't. 29 no. 11:62-64. N '66.

## SPORTS—ORGANIZATION AND ADMINISTRATION

Little pages from history. I. G. Chudnov. Teor. i prak. fiz. kul't. 29 no. 11:1-6. N '66.

Party outline must be carried out! Teor. i prak. fiz. kul't. 29 no. 11:2-1. N '66.

## SPORTS MEDICINE

Changes in the content of blood sugar and lactic acid in the blood of athletes during standard exertion in the process of acquiring a good form. N. N. Iakovlev and others. Fiziol. zhur. 48 no. 10:1266-1269. O '62.

Effect of adequate and nonadequate load on somatic and vegetative functions. T. N. Makarova. Teor. i prak. fiz. kul't. 29 no. 11:56-57. N '66.

Effect of physical load on contractile ability of myocardium. A. N. Sytnuk, P. S. Vakhovaya, G. N. Kondratov. Teor. i prak. fiz. kul't. 29 no. 11:55-56. N '66.

Electrocardiographic criteria in cardiac enlargement in athletes. L. A. Butchenko, I. A. G. Ablov, G. M. Kurova. Teor. i prak. fiz. kul't. 29 no. 11:48-52. N '66.

**SPORTS MEDICINE (Continued)**  
 Lactic acid content in blood following physical exercises, I. F. Sivov, M. A. Melnikova, Teori i praktika fiz. kul't. 29 no. 11:60-61 N '66  
 [Medical research data on problems of strength in training athletes] Voprosy silovoi podgotovki sportsmenov po dannym vichesnykh issledovaniy, Moskva, Fizkul'tura i sport, 1965, 194 p.  
 (DNLM)  
 Phase structure of cardiac systole in extrasystole of athletes, A. T. Vukobrat, B. M. Stolbun, I. E. Oranskii, Teori i praktika fiz. kul't. 29 no. 11:33-35 N '66

## SPORTS STORIES

[Knights of the "queen"] Rysari "koroletvy," Moskva, Sov. Rossiia, 1966, 134 p.

## SPRAY PAINTING, ELECTROSTATIC

Electric varnishing of chairs with highly viscous varnish, V. S. Vozniak, M. E. Belokou, Den prom. 17 no. 12:8-9 D '66

## SPRAYING AND DUSTING EQUIPMENT

Knap sack duster and sprayer, L. Lomkov, A. Serdik, A. Ezerzhin, Zashch. rast. 11 no. 11:31-32 '66  
 Low-volume spraying of orchards, S. Prokopenko, Zashch. rast. 11 no. 11:30-31 '66  
 Simplest fumigation chamber, D. Grinchenko, Zashch. rast. 11 no. 11:52 '66

## SPRAYING AND DUSTING EQUIPMENT—EXHIBITIONS

Machinery for the chemical protection of plants at the International Exhibition of 1965, I. F. Snegovskii, Trakt i sel'khoz mash. no. 12:39-40 D '66

## SPRINKLER IRRIGATION see subdivision under Ukraine

## SPRINKLERS see subdivision under Ukraine

## SPUTTERING (PHYSICS)

Angular dependence of sputtering and ion-electron emission from single crystals, I. U. Martynenko, Izv. AN SSSR, Ser. fiz. 30 no. 12:1971-1982 D '66  
 Negative ion sputtering of solid surfaces under ion bombardment, A. Kh. Alukhanov, M. K. Abdullayeva, Izv. AN SSSR, Ser. fiz. 30 no. 12:2000-2007 D '66

## SPUTUM

Effectiveness of fluorescence and phase contrast bacterioscopic diagnosis of tuberculous, L. K. Tsel'nik, K. V. Shumail, Zhur. mikrobiol. i epid. i immun. 33 no. 6:103-107 Je '62

## STABILITY

General problems of stability and biogenesis, I. A. Nikolaev, Zhur. fiz. khim. 40 no. 11:2665-2670 N '66  
 Lateral stability of double arches, calculating in matrix form, I. U. V. Krotov, Izv. vyz. ucheb. zav. i shk. i nauch. 9 no. 9:10-17 '66

## STABILITY OF SHIPS

Accuracy of calculating the trim of the ship, A. Z. Fridlanski, Trudy LITV no. 81:105-109 '65  
 Designing the upper works of a ship with a given stability diagram, A. N. Rogoslavskii, Trudy LITV no. 81:140-144 '65  
 Effect of the elements of a fishing boat on the basic parameters of its stability, S. N. Krasnopol'skii, Trudy Kal. tekhn. inst. ryb. prom. 15:106-116 '62  
 Effect of trim difference on the hydrodynamic characteristics of a ship's hull, A. D. Gofman, V. I. Kogna, A. V. Semenov-Tsian-Shanskii, Trudy LITV no. 81:37-39 '65  
 Experimental study of the trim of high-speed immersed vessels in shallow water, A. G. Liakovich, Trudy LITV no. 81:63-70 '65  
 Plotting interrelation curves of the stability of salvage ships, V. N. Sol'mashuk, V. P. Shosiak, Sudostroenie 28 no. 12:11-13 D '62

## STACHYBOTRY—TOXICOLOGY

Quantitative method of determining stachybotryotoxin, R. V. Us'kiv, Mikrobiol. zhur. 28 no. 6:68-71 '66

## STAINS AND STAINING

Ultrastructure of crab axon and its permeability to vital stains, K. A. Gelfand and others, TSitologiya i 60, 5:585-597 S-O '66

## STAINS AND STAINING (MICROSCOPY)

Changes in vital staining of sarcolemma in frog as affected by acetylcholine, E. A. Shapiro, TSitologiya i 60, 5:689-692 S-O '66  
 Demonstration of "free space" of pectocellulose membranes by means of negative contrast of ultrathin sections, R. K. Sallaev, M. P. Sallaev, D. K. Iakimov, TSitologiya i 60, 5:643-648 S-O '66  
 Device for quantitative evaluation of histochemical reactions, I. U. Madievskii, B. I. Moiseenko, Biofizika 8 no. 5:623-6 '63  
 Method of making ready planar crystalline lens epithelium preparations, Z. A. Sokolova, A. I. Garberov, TSitologiya i 60, 5:676-677 S-O '66  
 Rapid method for staining cestodes, B. E. Klok, Veterinaria 43 no. 1:104 Ja '67

Sorption of some vital stains by mantle muscles of Mytilus galloprovincialis under changing conditions, I. P. Sural'dskaya, TSitologiya i 60, 5:621-629 S-O '66  
 Staining of blood smears and marrow punctates according to Brachet's method, M. S. Zhakov, I. M. Karpul', Lab. delo no. 1:52 '67  
 Use of different fixatives in studying hypothalamic-hypophyseal neurosecretory material in rats, O. V. Danilova, TSitologiya i 60, 5:661-669 S-O '66  
 Utilization of methods proposed by Chubb (in 1952) for making whole preparations from trematodes, I. A. Khotimskii, Zool. zhur. 43 no. 11:1720-1721 '66

## STALINGRAD see Volgograd

## STALNO see Donetsk

## STALNO PROVINCE see Donetsk Province

## STAMMERING

Travuglin, N. P. [Stammering] Zaikanie, Izd. 4, perer. i dop. Moskva, Medicina, 1966, 154 p. (Biblioteka prakticheskogo vracha) (DNLM)

## STANDARDS, ENGINEERING

[Information index of standards] Inform. ukaz. stand. 27 nos. 11-12 '66

## STANISLAV ECONOMIC REGION—LUMBERING—

LABOR PRODUCTIVITY  
 Increasing labor productivity in lumbering operations, I. I. Arkhangelskii, Bum. i del. prom. no. 3:54-55 Ji-S '62

## STANIUKOVICH, KONSTANTIN MIKHAILOVICH,

1844-1903  
 The archives of Stanislavich, G. Rafkin, Kaluzh. toig 17 no. 12:36-37 D '66

## STANOVY RANGE—ORE DEPOSITS

Assaying different age gold from the southern part of the Stanovoy Ridge region, Far East, G. V. Dittmar, Geol. iud. mestorozh. 8 no. 6:92-96 N-D '66

## STAPHYLOCOCCAL DISEASE

Bicillin- and bacillin-1 experimental staphylococcal infection in rabbits, N. I. Solomina, Antibiotiki 11 no. 11:1031-1035 N '66  
 Changes in the permeability to penicillin of the hemato-encephalic barrier in rabbits in experimental staphylococcal infection, I. I. Ruditskii, Pat. fiziol. i eksp. terap. no. 3:82-83 '61  
 Intradermal anatoxin therapy of staphylococcal infections, Silyu Dan, Zhur. mikrobiol. i epid. i immun. 31 no. 6:111-115 Je '62

## STAPHYLOCOCCUS

Association of staphylococcus with respiratory viruses in acute pneumonia, V. V. Rikova, A. S. Larkov, Zhur. mikrobiol. i epid. i immun. 31 no. 11:74-78 N '66  
 Dynamics of the sensitivity of staphylococci to antibiotics in pyodermitis, S. I. Dovghanskii, L. V. Medvedeva, Vest. dermat. ven. no. 12:31-36 '62  
 Induction of synthesis of staphylococcal penicillinase by substances related to penicillins, S. M. Charkovskaya and others, Antibiotiki 11 no. 11:892-898 N '66  
 Some physiological characteristics of streptomycin-resistant staphylococcal variants, P. V. Komarov, Mikrobiologiya 31 no. 2:177-201 Mi-Ap '62

## STAPHYLOCOCCUS—TOXICOLOGY

Inactivation of staphylococci by the salts of ethylene-diaminetetraacetic acid (EDTA), I. N. Bel'gova, A. N. Tatinbasava, Trudy LITV no. 83:29-33 '65

## STARCH

Data on the physiology of membrane (contact) digestion, Report No. 4; Starch splitting in the frog vascular system, A. M. Ugolev, V. V. Chernousova, Biol. eksp. i med. 55 no. 5:25-28 My '63  
 Effect of sugars, pentosans, and amino acids on determining grain starchiness by Evers method, V. A. Simulov and others, Prikl. biokhim. i mikrobiol. 2 no. 5:694-698 N-D '66

## STARCH INDUSTRY

Combined processing of potatoes, I. U. M. Vinokur, Spirt, prom. 28 no. 5:20-31 '62  
 Starch plant for state and collective farms, I. Beshechinskii, Sel'. stol. 16 no. 11:insort-7-8 N '61  
 STARCH INDUSTRY—BY-PRODUCTS  
 Combined mashing of the wastes of starch production and corn kernels in the production of alcohol, A. M. Karner, Spirt, prom. 28 no. 4:132 '62

## STARCHENKO, ANATOLII

Poet Anatolii Starchenko, A. Klein, Sov. etnik. 12 no. 4:34 Ap '63

## STARS—ATMOSPHERES

Temperature gradient in atmospheres of magnetic and peculiar stars, I. U. V. Glagolevskii, Astron. zhur. 43 no. 6:1194-1199 N-D '66

## STARS—CLUSTERS

Brakhatova, K. A., and V. V. Syrovov, Atlas diagramm svet-svetimosti zvezdnykh slozhenii i assotsiatsii. Atlas of colour-magnitude diagrams for clusters and associations, Moskva, Astronomicheskii Sovet Akad. nauk SSSR, Pt. 2, 1963, 1 v.

[MICROFILM]

## STARS—EVOLUTION

Adiabatic outflow and equilibrium states with excess energy, G. S. Bismakvay-Kogin, IA B. Zhel'dovich, Astron. zhur. 43 no. 6:1206-1206 N-D '66  
 Hertzsprung-Russell diagram based on stellar evolution theory, O. B. Dzhuravskaya, Astron. zhur. 43 no. 6:1226-1233 N-D '66  
 Kinetic equilibrium of  $\beta$ -processes in the interior of stars, V. S. Imshennik, D. K. Nadezhdin, V. S. Pivovarov, Astron. zhur. 43 no. 6:1215-1225 N-D '66

## STARS—PROPER MOTION

Determinability of tangential velocities of distant stars, nebulae, and galaxies, A. G. Baranov, Astron. zhur. 43 no. 6:1211-1216 N-D '66

## STARS, NEW

Outbursting stars, V. S. Oskanian, Pribl. 55 no. 12:22-27 '66  
 Polarization of emission from DQ Herculis (N HER 1931), E. A. Dzhai, N. M. Shakhovskoi, Astron. zhur. 43 no. 6:1191-1191 N-D '66

## STARS, VARIABLE

O Ceti electronic and Zanstra's temperatures according to the bright hydrogen lines, S. V. Rublev, Astron. zhur. 43 no. 6:1161-1161 N-D '66

## STARS, VARIABLE—SPECTRA

Photometric and spectrographic observations of bursts of AD Leo B in 1965, R. E. Gershteyn, P. I. Chuganov, Astron. zhur. 43 no. 6:1160-1178 N-D '66

## STARVATION

Changes in erythrocyte composition of the blood in tumours during prolonged complete dietary starvation (without limitation of water) and subsequent feeding, I. I. Shapiro, Biol. eksp. i med. 55 no. 5:10-11 My '63  
 Development of a radiation injury in the mucous membrane of the small intestine of mice and its regeneration under conditions of starvation, N. F. Gionekala, Vop. radio-biol. 4:208-221 '61  
 Selective ascending activation of the anterior segments of the cerebral cortex as a functional basis of alimentary reflexes, K. V. Sudakov, III V. Uryvaev, Fiziol. zhur. 48 no. 10:1170-1177 O '62

## STASOV, VLADIMIR VASIL'EVICH, 1824-1900

Lebedev, A. K., and A. V. Solodovnikov, [Vladimir Vasil'evich Stasov, his life and works] Vladimir Vasil'evich Stasov, zhizni i tvorchestvo, Moskva, 1960, 181 p.

## STATE AND CHURCH see Church and state

## STATE FARMS

(see also subdivision under Estria District, Khrushchov)  
 Orlov, A. I. A. [Housing and service industries on a state farm] Zhilishchno-bytovaya rabota v sovkhooze, [Moskva] Priroda, 1966, 69 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 24(72))

## STATE FARMS—FINANCE

Business accounting begins this way... A. Galitsyn, Sov. profsoyuz. 22 no. 2:7 D '66  
 Capital yield on state farms, L. Sineva, Vop. ekon. no. 12:41-51 D '66  
 Issuing credit to state farms, Z. Ogdanets, Den i kred. 24 no. 12:54-56 D '66

Some problems of practice in issuing credit to state farms, A. Vdovichenko, Den i kred. 24 no. 12:50-54 D '66

## STATE FARMS—LAWS AND REGULATIONS

Panova, E. A. [Internal regulation of work on state farms] Vnutrenni turovye raspriadok v sovkhoozakh, Moskva, Iurid. lit-ry, 1966, 190 p.

## STATE FARMS—MANAGEMENT

(see also subdivision under East Kazakhstan Province; Moldavia)  
 Inter-est state-farm workers in preparing workable plans, V. Iushin, Ekon. sel'khoz. 42 no. 12:84-88 D '66  
 Kovtun, P. I. [We have rich harvests every year] U nas kazhdyi god vysoklo urozhat, [Moskva] Priroda, 1966, 46 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 21(69))  
 Make efficient use of each hectare of land, I. S. Shinkarev, G. A. Kuvshinov, Zemledel. 26 no. 10:17-19 O '66  
 Man's honor depends on his labor, I. Anisimov, Sov. profsoyuz. 22 no. 24:21-22 D '66

## STATE FARMS—OFFICIALS AND EMPLOYEES

Conflict of local significance, G. Shestakov, Sov. profsoyuz. 22 no. 2:31-33 D '66

# STATE FARMS—PRODUCTION STANDARDS

**Sergeeva, Z. V.** [Workers' trade-union committee and establishing work norms on state farms] *Rabochim i normirovanie truda v sovkhkhakh*. [Moskva] Profizdat, 1966. 45 p. (Biblioteka sel'skogo profsotluznogo aktivista, no. 20(68))

# STATES, NEW—STATISTICS, VITAL

Notes on the demography and population policy of the developing countries. Stephen R. Dunn. *Nat. A-1 Afr.* no. 6:180-181 '66.  
Reply to Stephen R. Dunn. A. Ia. Kravsha. *Nat. A-1 Afr.* no. 6:181-183 '66.

# STATESMEN, ARGENTINE

People and events. Rodolfo Ghisoldi. *Nov. vrem.* 25 no. 4:21 Ja '67.

# STATESMEN, BARBADIAN

People and events. Errol W. Barrow, Roger Bonvin. *Nov. vrem.* 25 no. 2:24, 27 Ja '67.

# STATESMEN, CUBAN

People and events. Karoly Csatorjay, Ricardo Alarcon de Quesada. *Nov. vrem.* 25 no. 8:25-27 '67.

# STATESMEN, HUNGARIAN

People and events. Karoly Csatorjay, Ricardo Alarcon de Quesada. *Nov. vrem.* 25 no. 8:25-27 '67.

# STATESMEN, IRANIAN

People and events. Ardeshir Zahedi, Rachid Karame. *Nov. vrem.* 25 no. 3:10-21 Ja '67.

# STATESMEN, LEBANESE

People and events. Ardeshir Zahedi, Rachid Karame. *Nov. vrem.* 25 no. 3:10-21 Ja '67.

# STATESMEN, SWISS

People and events. Errol W. Barrow, Roger Bonvin. *Nov. vrem.* 25 no. 2:24, 27 Ja '67.

# STATISTICAL COMMUNICATION THEORY

Significance of a statistical structure in single-determined response to signals of two types. V. A. Bodrov, A. A. Genkin, G. M. Znakovskii. *Vop. psikh.* 12 no. 6:77-86 N-D '66.

# STATISTICAL WEATHER FORECASTING

Expediency of using synoptic classification for some synoptic-statistical forecasting schemes. V. I. Kniazeva. *Trudy TSIP* no. 154:66-67 '66.

Forecasting anomalies of mean air temperature for 5-day period using synoptic-statistical method. M. N. Fedulova. *Trudy TSIP* no. 154:62-63 '66.

Method for forecasting anomalies of atmospheric temperature for 10-day period. A. L. Kats, V. I. Kniazeva. *Trudy TSIP* no. 154:47-56 '66.

Middle-range weather forecasting for mountainous communities as revealed by study made in western Georgia. D. A. Malinadze. *Meteor. i gidrol.* no. 12:38-40 D '66.

# STATISTICS

Indices of the gross product of the world. P. Bagril. *Vest. stat.* no. 12:30-33 '66.

Mean error of fraction of variant in alternative distribution. P. V. Popov. *Khim. v sci. khor.* 4 no. 12:65-66 D '66.

Statistics should contribute to the solution of new problems. A. Bozarskii, E. I. Asin. *Kommunist* 43 no. 2:56-61 '67.

# STAVROPOL—LIBRARIES AND READERS

How we serve the interests of foreign literature. A. A. Khazonova. *Opyt i bibliot. i inosti lit.* no. 4:72-80 '61.

# STAVROPOL TERRITORY—AGRICULTURAL CREDIT

Practice in direct credit. I. Zavalishin. *Den. i kred.* 24 no. 12:30-35 D '66.

# STAVROPOL TERRITORY—AGRICULTURAL WORKERS

The truth of Uncle Iakhi's. E. Losev. *Agricult.* 34 no. 24:32-34 D '66.

# STAVROPOL TERRITORY—COLLECTIVE FARMS—FINANCE

Practice in direct credit. I. Zavalishin. *Den. i kred.* 24 no. 12:30-35 D '66.

# STAVROPOL TERRITORY—OIL WELL CASING

Causes of failure of casing in high-temperature wells of Stavropol Territory. V. P. Benalov, A. D. Krasniuk, V. S. Savorov. *Burenie* no. 12:20-24 '66.

# STEAM—THERMODYNAMICS

Thermophysical characteristics of water and steam on the saturation line (according to temperatures). *Energo-mashinostroyeniye* 8 no. 8:47 Ag '62.

# STEAM BOILERS see Boilers

# STEAM BOILERS, MARINE see Boilers, Marine

# STEAM ENGINEERING

Automatic regulation of steam pressure and temperature. P. P. Patrusev, B. N. Sokolov. *Bum. prom.* 37 no. 4:21-23 Ap '62.

# STEAM POWER PLANTS

**Khasman, P. Ia.** [Fundamentals of heat engineering and power systems] *Osnovy teplotehnik i silovye ustanovy*. Moskva, Lesnaya promyshlennost', 1966. 319 p.

# STEAM TURBINES

Analytical method for determining economically optimum characteristics of the condensing units of turbine systems. D. M. Budnitskii. *Energomashinostroyeniye* 8 no. 8:22-26 Ag '62.

Changes in the amplitude-phase characteristics of the control system of steam turbines in case of the disturbance of dynamic autonomy criteria. I. I. Khilov. *Teploenergetika* 8 no. 2:14-20 F '61.

Deformation of steam turbine rotors. I. M. Stepanov. *Energomashinostroyeniye* 8 no. 8:31-32 Ag '62.

Determination of economical characteristics of boiler-turbine block using digital computers. E. K. Lohman. *Trudy VNIIE* no. 22:129-143 '65.

Dynamic structure of a high-temperature gas-turbine block operating according to the T-57-T-11 system. S. A. Kantor and others. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 11:37-43 N '66.

# STEAM TURBINES—DESIGN AND CONSTRUCTION see subdivision under Leningrad

# STEAM TURBINES—TESTING

Determination of the internal efficiency of the regulatory stage and separate components of a turbine under field conditions. P. S. Akhropov. *Energomashinostroyeniye* 8 no. 8:38 Ag '62.

# STEAMBOATS

(see also subdivision under Great Britain)

**Smalzer, A. I.** [Over-all automation of the power plants of river steamboats] *Kompleksnaya avtomatizatsiya silovykh ustanovok i tekhnicheskikh parokhodov*. Moskva, Transport, 1966. 144 p.

# STEAMPIPES

Effect of throttling of live steam in steampipes on optimal distribution of loads. N. P. Vukovskii, A. N. Gerasimovich. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 11:51-51 N '66.

Selection of material for condenser tubes with freshwater cooling. L. D. Boiman, E. S. Ginzburg. *Tekhn. sta.* 37 no. 11:23-30 N '66.

Value of the coefficients of hydraulic resistance of lance compensators. S. V. Chusakov, M. P. Iudin. *Energomashinostroyeniye* 8 no. 8:29-30 Ag '62.

# STEARIC ACID

Ways of formation of carbon dioxide in oxidation of stearic acid methyl ester. N. I. Miskovitch, V. A. Lashitskii, B. V. Drofeev. *Dokl. AN SSSR* 10 no. 10:752-753 O '66.

# STEEL

Thermal coatings of steel with high protective properties. L. D. Vyskii, A. D. Ponomarevskii. *Ukr. khim. zh.* 32 no. 12:1357-1360 '66.

Viscoelastic and viscoplastic waves in a material with delayed yielding. V. A. Kotlarevskii. *PMTF* no. 3:81-87 Mj-Je '62.

# STEEL—ANALYSIS

Spectrophotometric determination of nickel, cobalt, and chromium in steels. Report No. 1: Estimation of systematic errors arising at the expense of undetermined components. N. P. Komar, L. S. Palagina, Zhur. anal. khim. 21 no. 11:1321-1332 '66.

Use of tributyl phosphates for extraction of microgram amounts of calcium in the analysis of steels. I. U. G. Eremin, V. V. Raevskaya, P. N. Romanov. *Zhurn. anal. khim.* 21 no. 11:1303-1306 '66.

# STEEL—BRITTLENESS

Effect of plastic deformation in the austenitic state on temper brittleness of rail steel. V. V. Duzhlin, I. I. Tarasov, I. U. V. Gidina. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:120-121 '66.

# STEEL—CORROSION

Anticorrosive coatings in the chemical industry. I. I. Maikov, E. A. Protosavitskaya. *Mont. i spets. rab. v strol.* 25 no. 10:13-16 O '63.

Effect of chlorine ions on the corrosion cracking of 1X18H9T austenitic steel. P. A. Akol'zin, L. V. Konneva, Teploenergetika 8 no. 2:55-60 F '61.

Studying scale formation during metal heating in continuous furnaces of light-section and wire-rod mills. E. I. Spivak and others. *Stal'* 26 no. 12:1139-1144 D '66.

Studying the effect of some inhibitors on the ultimate strength of steel subjected to corrosion in a hydrocarbon-electrolyte system. S. A. Balezin and others. *Za tekhn. prog.* 6 no. 12:33-38 D '66.

# STEEL—ELECTROMETALLURGY

Effect of aluminum additions on properties of semikilled 50, 55 steel. A. F. Dolgoplov, B. I. Panchev. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:38-43 '66.

# STEEL—FATIGUE

Effect of the form of a stress cycle on the accumulation of fatigue damages. M. Ia. Filatov. *Prakt. mekh.* 2 no. 11:83-89 '66.

# STEEL—HARDENING

High temperature thermomechanical treatment of rail steel. V. V. Duzhlin, I. I. Tarasov, I. U. V. Gidina. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:116-118 '66.

**Romanov, O. M., and I. I. Chelapynova.** [Thermomechanical hardening of steel] *Termodinamicheskoe zmitsemenie stali*. Kiyv, Naukova dumka, 1966. 218 p.

# STEEL—HEAT TREATMENT

New developments in research. G. M. Kompaniets, M. I. Stasovetskii. *Stal'* 26 no. 12:117-118 D '66.

# STEEL—INCLUSIONS

Nonmetallic inclusions in aluminum-alloyed steel. A. I. Pevchikov and others. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:61-66 '66.

# STEEL—METALLOGRAPHY

Effect of structure-free cementite on workability of cold-rolled mild sheet steel. Kuz. -shlamm. prozv. 8 no. 12:15-18 D '66.

Kinetics of austenite transformation during continuous cooling. I. N. Aleksandrov, N. B. Malyshkova. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:106-110 '66.

Process of the formation of extra-axial heterogeneity in ingots. A. A. Zhuravskii, E. I. Rudnitskii. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:11-40 '66.

Speed of quenching and its influence upon structure and properties of St. 3-type steel. N. F. Legolda and others. *Stal'* 26 no. 12:1131-1134 D '66.

# STEEL—METALLURGY

New developments in research. G. M. Kompaniets, M. I. Stasovetskii. *Stal'* 26 no. 12:109 D '66.

New method for the complex improvement of the machinability of steel castings. S. V. Iosadskii. *Dokl. AN SSSR* 6 no. 6:366-369 Jr '62.

Using steel chips in steel smelting. N. A. Barinov and others. *Lit. prozv.* no. 12:6-7 D '66.

# STEEL—QUENCHING

Speed of quenching and its influence upon structure and properties of St. 3-type steel. N. F. Legolda and others. *Stal'* 26 no. 12:1131-1134 D '66.

# STEEL—TESTING

Mathematical expression of impact toughness in low-carbon steel depending on temperature of testing and carbon content. N. G. Bukhovstova, K. V. Popov. *Izv. vuz. ucheb. zav. i nauch. issled.* 9 no. 12:111-115 '66.

Wear resistance changes in P18 steel under the effect of ultrasonic waves. V. N. Chachin, A. I. Skripchenko. *Dokl. AN SSSR* 10 no. 10:781-785 O '66.

# STEEL, EFFECT OF TEMPERATURE ON

Heat resistance of steel and practical problems of its heating and cooling solved on this basis. S. G. Golovanov. *Kuz. -shlamm. prozv.* 8 no. 12:35-40 D '66.

# STEEL, HEAT RESISTANT—ELECTROMETALLURGY

Hardness of heat resistant steels at high temperatures depending on addition alloys and heat treatment. N. A. Bystrova, D. Ia. Vinitskiy, *Trudy MATI* no. 66:18-20 '66.

# STEEL, HEAT RESISTANT—TESTING

Non alloying of austenitic steel and alloys for welded structures. B. I. Medvedev and others. *Avtom. avia.* 19 no. 12:52-57 N [i.e. D] '66.

# STEEL, STAINLESS—PICKLING see subdivision under Zaporozh'ye

# STEEL, STAINLESS—TESTING

Testing for hydrostatic bulging of certain stainless steels. F. I. Ruzanov. *Kuz. -shlamm. prozv.* 8 no. 12:21-23 D '66.

# STEEL, STAINLESS—WELDING

Properties of welded joints in heat-resistant stainless steel. M. M. Shtrikman, *Avtom. avia.* 19 no. 12:9-12 N [i.e. D] '66.

# STEEL, STRUCTURAL

The expediency of using high-strength steel rolled products in steel structural elements. V. I. Lazarenko, I. U. V. Smirniagin. *Prom. zdaniy* no. 2:31-35 '61.

# STEEL, STRUCTURAL—HEAT TREATMENT

Increasing structural steel strength by heat treatment. I. I. Gidashvili, D. A. Litvinenko, Kh. Sh. Ievinson. *Stal'* 26 no. 12:1126-1131 D '66.

# STEEL ALLOYS

Extraction-photometric determination of niobium in alloyed steels using sulfoxidophenol. S. B. Savvin, P. N. Romanov, I. U. G. Eremin, Zhurn. anal. khim. 21 no. 12:1423-1426 '66.

Interaction between an Al-Pb-Sn melt and cyclically deformed steel. M. I. Chaleva'ki, V. F. Shatyn'skiy. *Dop. AN USSR* no. 11:456-1160 '62.

# STEEL CASTINGS

Techniques for casting pole flanges. B. G. Dul'fan. *Lit. prozv.* no. 11:43 N '63.



**STEEL CASTINGS (Continued)**  
Using internal chills in the production of steel castings. P. P. Vasilievskii, G. A. Kuznetsov. Lit. protv. no. 12 7-10 D '66

#### STEEL CASTINGS—COOLING

Internal chills in steel castings. G. A. Maksimenko. Lit. protv. no. 11-3-1 N '63

#### STEEL CASTINGS—DEFECTS

Interaction of steel with the mold in precision casting. D. T. Lapkin and others. Lit. protv. no. 11-44-45 N '63

#### STEEL CASTINGS—STANDARDS

New All-Union State Standard for steel casting. V. I. Berlin, B. V. Zakharov. Lit. protv. no. 12 39-40 D '66

Plans of the All-Union State Standard for steel castings. I. A. Eksistatov and others. Lit. protv. no. 12 37-38 D '66

#### STEEL CASTINGS—TESTING

Effect of pressure on structure and properties of cast SKhNT die steel. A. A. Ryzhikov, L. D. Sorokin. Lit. protv. no. 12-2-3 D '66

Effect of rare-earth elements on structure and properties of KhGN25Mn5 steel. D. Ia. Vishniakov, N. A. Bystrava. Trudy NII no. 66/133-38 '66

#### STEEL CASTINGS—THERMAL PROPERTIES

Increasing the cold resistance of steel castings. I. U. A. Shul'kevich, V. V. Luneyev, I. P. Volchok. Lit. protv. no. 12 35-36 D '66

**STEEL INDUSTRY** see subdivision under Chelyabinsk; Cherepovets (Vologda Province); Zlatoust (Chelyabinsk Province)

#### STEEL INDUSTRY—MAPS

Metals of our country; with a map. D. Popov. Agitator 34 no. 1-21-22 Ja '67

#### STEEL INDUSTRY—SCHEDULING

Organization of work according to the schedule in a metallurgical plant. I. U. Bocharov. Sots. trudy 11 no. 12/77-80 D '66

#### STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovators in the steel industry of the R. S. F. S. R., 1958-1962. A. M. Katsva. Izv. SSSR 10 no. 6/92-105 N-D '66

#### STEEL INGOTS—MODELS

Electrothermal modelling of the process of solidification and heating of rimmed steel ingots in soaking pits. V. D. Maron and others. Izv. vuzov zhelez. dor. 9 no. 12/119-155 '66

#### STEEL—NICKEL ALLOYS

Photometric determination of niobium in nickel-base alloyed steels and alloys. V. F. Mol'tsov, E. N. Pashchenko, N. P. Volkova. Zhur. anal. khim. 21 no. 10/1205-1209 '66

#### STEEL PIPE

see Pipe, Steel

#### STEEL STRIP

Jaw feed with pneumatic drive for strip material. V. S. Sharshov, P. P. Shablinitskii, A. M. Kuntsevich. Nauch. trudy ENIKMASha no. 11 159-167 '66

#### STEELWORKS

see Iron and steel plants

#### STEERING GEAR

Determining the diameter of the rudder stock of ice-breakers and ships sailing in ice-infested waters. A. A. Dubitskii. Sudostroenie 28 no. 12/13-15 D '62

Effectiveness of auxiliary steering devices. A. Vasil'ev. Rech. transp. 21 no. 12/30-31 Ji '62

#### STEELMAKING, MYKHAILO PANASOVYCH, 1912-

In the creative laboratory of Mykhailo Stelmakh, Ivan Semenchuk. Sov. Ukr. 12 no. 4 118-15h Ap '62

#### STEPMOTHERS

A mother or a stepmother? E. Kotlashova. Sem'ia i shkola 21 no. 12 47 D '66

The stepmother. A. Kharitonova. Sem'ia i shkola 21 no. 11/12-11 N '66

#### STEPPE FLORA

see subdivision under Transbaikalia

#### STEREOCHEMISTRY

Stereochemistry and reactivity of unsaturated compounds. Part 2: Synthesis and reactivity of  $\gamma$ -aldehyde acids of  $\Delta^3$ -cyclohexene series. G. P. Gugatova-Shemilukina, V. M. Andriev, S. A. Kozarian. Zhur. org. khim. 2 no. 11 2065-2074 N '66

Stereochemistry of hydrogenation and hydrogenolysis. E. I. Kabanovskii. Usp. khim. 35 no. 7/1294-1323 Ji '66

#### STERILITY IN ANIMALS

Prophylaxis of sterility in herd bulls. A. M. Kuznetsov. Veterinariia 43 no. 1/53-64 Ja '67

Studying the physical, chemical, and some pharmacological properties of preparation KF. Report No. 1. E. I. Spirin. Sbor. nauch. rab. SibNII no. 11 168-173 '62

Use of pregnant mare's serum and erythrocyte mass in sterility of cows. I. L. Iakimchuk. Veterinariia 43 no. 1/59-60 Ja '67

#### STERILITY IN PLANTS

Development of lines maintaining cytoplasmic male sterility in sugar beets. A. N. Lukov, V. I. Kovalevskii. Sel'khoz. biol. 1 no. 6/801-808 '66

Effect of gamma irradiation at various periods of plant development. N. N. Koshushko. Sbor. trudy zap. i mol. nauch. soiz. VIR no. 2 317-321 '61

Studying the character of the cytoplasmic male sterility of corn and its use in hybridization. T. S. Chalyk. Gen. sel. i sem. kut. no. 1 92-139 '65

#### STERILIZATION

Sterilization of anesthetic equipment. F. N. Kazantsev, E. E. Krasnoshchikova, S. M. Gafiatullina. Eksp. khim. i med. 8 no. 5/71-76 N-D '63

#### STERILITAMAK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Iakubov, Kh. Ia. [Proud occupation] Gordaf. professin. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 34 p. (Mafiki promyshlennosti Bashkiri)

#### STERIOD HORMONES

Diuretic action of ACTH, cortisone and prednisone in patients with calculatory insufficiency. V. K. Seikova. Sov. med. 26 no. 3/131-133 Mi '63

#### STERIOD HORMONES—PHYSIOLOGICAL EFFECT

Effect of steroid hormones on biochemical and morphological changes in heart during experimental myocardial infarct. I. A. Uvatova and others. Trudy i-go MMI 43 42-53 '65

#### STERIODS

Chromatography of 3-ketosteroids in thin layer of sorbent. Report No. 2. Use of acid aluminum oxide. B. Kh. Nguyen, A. A. Chmerisskaya, Zhur. anal. khim. 21 no. 11/375-379 '66

Effect of novocaine on the excretion of 17-ketosteroids in elderly persons. N. V. Sveshnikov, N. V. Vozzhikovskaya, V. I. Bekker. Sov. med. 26 no. 3/114-116 Mi '63

Steroid compounds in the fungus *Inonotus obliquus*. E. V. Lovlagina, A. N. Shvetsina. Biokhimiia 27 no. 5/794-800 S-O '62

Steroids. Report No. 26. Synthesis of steroidal-17, 18d/19-oxosteroids. L. I. Klimova, N. N. Savoyev. Khim. prirod. sred. no. 5 325-333 '66

Thin-layer chromatographic analysis of steroids on microplates coated with silica gel. I. I. Zaitseva and others. Khim. prirod. sred. no. 5 321-325 '66

#### STILLBIRTH

Petrov-Mashkov, M. A., and I. I. Klimova. [Perinatal mortality] Perinatalna smertnost' [Leningrad] Meditsina, 1965. 217 p. (DNLM)

#### STOCHASTIC PROCESSES

Absolute continuity of measures, corresponding to Gaussian processes, in linear transformations. A. D. Shatakhvili. Trudy Vych. tsenta AN Gruz. SSR 3 211-268 '62

Akademiia nauk Gruzinskoi SSR. Institut kibernetiki. [Problems in the analysis of operations] Voprosy issledovaniia operatsii, Tbilisi, Metsnberoba, 1966. 117 p.

Average number of overshoots of a random process at the output of a receiving device. M. I. Dolman. Izv. vuzov zhelez. dor. 9 no. 6/742-750 N-D '66

Condition for correct interpolation of generalized uniform random field. O. I. Ponomarenko. Dop. AN Ukr. SSR no. 11/1400-1402 '66

Determination of the interval of independent registration of random stationary process by comparison of the distribution functions of two-dimensional probability densities. N. A. Rubichev. Radiotekh. i elektron. 11 no. 12 2220-2221 D '68

Distribution of time interval probability between zeroes of a narrow-band normal random process. A. M. Romanov, B. A. Sidorov. Radiotekh. i elektron. 11 no. 12-2222-2226 D '66

Extrapolation of one class of nonstationary random processes. V. B. Hoorhievskii, V. N. Stepanenko. Avtomatika 11 no. 6 70-71 '66

Some stochastic optimization techniques. I. U. M. Rymakova, E. V. Nekrylova. Kibernetika no. 6/66-68 N-D '66

#### STOCK AND STOCKBREEDING

(see also subdivision under Bui-Taiginskii District; Estonia; Voronezh Province)

Problems in the physiology and pathology of reproduction in farm animals. V. S. Shipilov. Veterinariia 43 no. 11/108-109 N '66

#### STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

see subdivision under Estonia

#### STOCK AND STOCKBREEDING—MANAGEMENT

(see also subdivision under Petrakov District) Use of the two-shift system on a farm is good! L. Rybakova. Sov. profsoiuzy 22 no. 23/6 D '66

#### STOIKO, ANATOLII GEORGIEVICH, 1895-1966

In memory of A. G. Stoiko. Zhur. neer. i patkh. 67 no. 1/156 '67

#### STOMACH

Anatomy of the afferent lymphatic vessels of the stomach in the adult person. V. S. Revazov. Arkh. anat. i gist. 1 emb. 44 no. 3/19-27 Mi '63

Study of the so-called absorbing function of the stomach under clinical conditions. I. A. S. Tsimmerman. Sov. med. 26 no. 12 16-21 D '66

#### STOMACH—CANCER

Combined treatment of gastric cancer and breast cancer with the use of radioactive gold. V. M. Sitenko and others. Vop. onk. 12 no. 12/10-13 '66

Complications related to the use of a permanent catheter in operations on cancer of the upper portion of the stomach and esophagus. L. G. Kharitonov, A. V. Bugdanov, A. Zh. Vostan. Khirurgia 42 no. 11 96-98 N '66

Compound diagnosis of gastric cancer. A. I. Pritsin. Zhur. Khim. onk. no. 1 201 208 '65

Electrophoretic examinations of denaturation processes of serum proteins in cancer of the stomach. Z. B. Nakhina. Lab. delo no. 1/48-49 '67

Experimental basis and clinical use of a new method for performing esophagojejunal anastomosis. K. N. Tsatsanidi. Eksp. khim. i med. 8 no. 6/19-23 N-D '63

Malignization of gastric ulcer. L. V. Loskutova. Trudy Inst. im. N. V. Sklif. 7 112-117 '63

Methodology and radiodiagnostic methods in gastric cancer. I. U. Sokolov. Vest. rent. i rad. 37 no. 3/3-13 My-Je '62

Ossesous metastases of stomach cancer: observations. V. M. Medvedinskaya. Vop. onk. 12 no. 12/56-57 '66

Pneumoperitoneum in the X-ray diagnosis of cancer of the upper parts of the stomach. I. I. Pirogov, V. I. Antafayev. Vest. rent. i rad. 37 no. 3/27-30 My-Je '62

Resection of the stomach in cancer with direct anastomosis of the gastric stump and the duodenum. B. I. Il'dasov. Vop. onk. 9 no. 7/119-123 '61

Radiogenological data on the state of the digestive tract following total gastrectomy for cancer. A. G. Nadzharov, L. A. Ramzanova. Vop. onk. 9 no. 3/74-83 '63

Role of the alimentary factor in the development of precancerous diseases and gastric cancer. A. S. Shumchuk. Khim. onk. no. 1/24-27 '65

Role of the radiography method in the diagnosis of gastric cancer. V. B. Antonovich. Vest. rent. i rad. 37 no. 3/21-27 My-Je '62

Some problems of the differential X-ray diagnosis of gastric cancer. I. A. Shekhter. Vest. rent. i rad. 37 no. 3/1-20 My-Je '62

Study of the antigens of stomach cancer in man by precipitation in agar. L. V. Shestshinskaya. Vop. onk. 9 no. 3/22-27 '63

Study of the karyotype of a monolayer culture of a human stomach cancer. L. P. Ugryumov, M. T. Tsoneva-Maneva. Biol. eksp. biol. i med. 55 no. 5/93-98 My '63

Surgical treatment of gastric cancer. M. A. Mingkhi. Khim. onk. no. 1/69-72 '65

#### STOMACH—DISEASES

Diseases of the stomach following gastrocromy and their treatment. I. K. Pipin, R. N. Kumsashvili. Trudy Inst. im. N. V. Sklif. 7 107-112 '63

Diseases of the stomach following gastrocromy for peptic ulcer. M. P. Kuzmakova, T. I. Akhmeteli. Trudy Inst. im. N. V. Sklif. 7 81-87 '63

Gastric electrothermometry in the diagnosis of different stomach diseases. Report No. 2. S. M. Guseynova. Arh. med. zhur. no. 7/17-22 Ji '62

State of the stomach in patients with pyrosis. I. U. I. Flahzon-Ryass, V. K. Kalgin. Vest. rent. i rad. 37 no. 3/23-26 Mi '63

Use of antil intestinal in plastic surgery in the treatment of gastric diseases following gastrocromy. E. I. Zakharov. Trudy Inst. im. N. V. Sklif. 7 117-123 '63

#### STOMACH—INFLAMMATION

Problem of X-ray hypodiagnostics of chronic gastritis. V. Ia. Muru. Trudy Novokuz. GIDUVA 37 84-87 '65

#### STOMACH—RADIOGRAPHY

Postoperative pseudotumors of the stomach. P. V. Vinograd. Vest. rent. i rad. 37 no. 3/31-33 My-Je '62

Radiation damage of stomach induced by radioactive cesium. G. A. Lebedeva. Radiotologiya 6 no. 5 607-699 '66

#### STOMACH—SECRECTIONS

Changes in conditioned reflex activity and gastric secretion following radiation sickness. S. R. Peropolkin. Radiobiologiya 8 no. 6/851-859 '66

Changes in the functional state of the stomach in diabetes mellitus under the effect of insulin treatment. N. A. Kalishina. Sov. med. 20 no. 12 22-26 D '66

Results of using insulin as a stimulant in examination of gastric secretion. V. A. Anabazhian. Sov. med. 20 no. 12/84-87 D '66



**STEEL CASTINGS** (Continued)  
Using internal chills in the production of steel castings, P. F. Vasilevich, G. A. Kuznetsov Lit. protzv. no. 12-7-10 D '66

**STEEL CASTINGS—COOLING**  
Internal chills in steel castings G. A. Makhimov Lit. protzv. no. 11-3-1 N '63

**STEEL CASTINGS—DEFECTS**  
Interaction of steel with the mold in precision casting, D. T. Lapkin and others Lit. protzv. no. 11-44-45 N '63

**STEEL CASTINGS—STANDARDS**  
New All-Union State Standard for steel casting V. I. Berlin, B. V. Zakharov Lit. protzv. no. 12-39-10 D '66

Plans of the All-Union State Standard for steel castings, I. U. A. Evstafiev and others Lit. protzv. no. 12-37-39 D '66

**STEEL CASTINGS—TESTING**  
Effect of pressure on structure and properties of cast steel A. A. Ryukov, I. D. Sorokin Lit. protzv. no. 12-7-10 D '66

Effect of air-carbon elements on structure and properties of Kh16N25M2B5 steel, D. I. A. Vlasnikov, N. A. Bystrova, Trudy, MATI no. 66, 33-38 '66

**STEEL CASTINGS—THERMAL PROPERTIES**  
Increasing the cold resistance of steel castings I. U. A. Shafik, V. V. Luney, I. P. Volchok Lit. protzv. no. 12-35-36 D '66

**STEEL INDUSTRY** see subdivision under Chelyabinsk; Cherepovets (Vologda Province); Zlatoust (Chelyabinsk Province)

**STEEL INDUSTRY—MAPS**  
Metals of our country; with a map, D. Popov, Agitatez 34 no. 121-27 Ja '67

**STEEL INDUSTRY—SCHEDULING**  
Organization of work according to the schedule in a metallurgical plant, I. U. Bocharov, Sots. trud 11 no. 12, 77-80 D '66

**STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
Innovators in the steel industry of the R. S. T. S. R., 1959-1962, A. M. Katsva Ist. SSSR 10 no. 6-82-105 N-D '66

**STEEL INGOTS—MODELS**  
Electrothermal modelling of the process of solidification and heating of rimmed steel ingots in casting pits, V. D. Maion and others Izv. vuz. ucheb. zav. Chern. met. 9 no. 1-119-175 '66

**STEEL-NICKEL ALLOYS**  
Photometric determination of niobium in nickel-base alloyed steels and alloys, V. F. Mal'tsev, E. N. Pashchenko, N. P. Volkova, Zhur. anal. khim. 21 no. 10 1205-1209 '66

**STEEL PIPE** see Pipe, Steel

**STEEL SHIP**  
Jaw feed with pneumatic drive for ship material, V. S. Shcheglov, E. P. Shchubnik, A. M. Kuntsevich, [Nauch. trudy] ENIKMAsha no. 11 150-167 '66

**STEELWORKS** see Iron and steel plants

**STEREINO GEAR**  
Determining the diameter of the rudder stock of ice-breakers and ships sailing in ice-infested waters A. A. Dubinskii Sudostroenie 26 no. 12, 13-15 D '62

Effectiveness of auxiliary steering devices A. Vasiliev, Rechn. transp. 21 no. 7, 30-31 Ji '62

**STEL'MAKH, MYKHAILO PANASOVYCH, 1912-**  
In the creative laboratory of Mykhailo Stel'makh Ivan Semenchuk Sov. Ukr. 12 no. 4, 118-156 Ap '62

**STEPMOTHERS**  
A mother or a stepmother? F. Kotlashova, Sem'ia i shkola 21 no. 12 47 D '66

The stepmother, A. Khaitonova, Sem'ia i shkola 21 no. 11 12-11 N '66

**STEPPE FLORA** see subdivision under Transbaikalia

**STEREOCHEMISTRY**  
Stereochemistry and reactivity of unsaturated compounds, Part 2: Synthesis and reactivity of  $\alpha$ -aldehyde acids of 2,3-cyclohexene dicarboxylic acids, G. P. Gagarina-Shemakina, V. M. Andreyev, S. A. Karavain Zhur. org. khim. 2 no. 11:2095-2074 N '66

Stereochemistry of hydrogenation and hydrogenolysis, E. I. Kabanovskii Usp. khim. 35 no. 7:1294-1323 Ji '66

**STERILITY IN ANIMALS**  
Prophylaxis of sterility in herd bulls A. M. Kuznetsov, Veterinariia 13 no. 1, 83-84 Ja '67

Studying the physical, chemical, and some pharmacological properties of preparation KI\*, Report No. 1, E. I. Spirin Shch. nauch. rab. St. NIV 11-160-173 '62

Use of pregnant mare's serum and erythrocyte mass in sterility of cows, I. L. Likhimchuk Veterinariia 43 no. 1 79-80 Ja '67

**STERILITY IN PLANTS**  
Development of lines maintaining cytoplasmic male sterility in sugar beets, A. N. Lutska, V. I. Kovalenko, Sotkhoz. biol. 1 no. 6:801-808 '66

Effect of gamma irradiation at various periods of plant development N. N. Koshulko Sbor. trud asp. i mol. nauch. sotk. VIR no. 2 317-321 '61

Studying the character of the cytoplasmic male sterility of corn and its use in hybridization T. S. Chalyk Gen. i sel. i zem. kuz. no. 1 92-130 '65

**STERILIZATION**  
Sterilization of anesthesia equipment, I. N. Kazantsev, E. D. Kabanovskiy, S. M. Gafaitulina I. kaper. khim. i anest. 8 no. 6-71-76 N-D '63

**STERILITAMAK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**  
Iakupov, Kh. Ia. (Proud occupation) Gordala professora, Ufa, Bashkirskoe knizhnoe Izd-vo, 1963, 34 p. (Malaki promyshlennosti Bashkiri)

**STERIOD HORMONES**  
Diuretic action of ACTH, cortisone and prednisone in patients with obstructive insufficiency V. K. Serkovna Sov. med. 26 no. 3:131-133 Ma '63

**STERIOD HORMONES—PHYSIOLOGICAL EFFECT**  
Effect of steroid hormones on biochemical and morphological changes in heart during experimental myocardial infarct I. A. Usvatova and others Trudy I-gu MM 13 42-53 '65

**STERIODS**  
Chromatography of 3-ketosteroids in thin layer of sorbent, Report No. 2: Use of acid aluminum oxide, B. A. N. Ngura, A. A. Chermisheva, Zhur. anal. khim. 21 no. 11:2375-1279 '66

Effect of novocaine on the excretion of 17-ketosteroids in elderly persons N. V. Sveschnikova, N. V. Verzhnevskaya, V. I. Bekko Sov. med. 26 no. 3:114-116 Ma '63

Steroid compounds in the fungus *Monascus obliquus*, L. V. Lovtagnina, A. N. Shvinnikova Biokhimiia 27 no. 5:794-800 S-O '62

Steroids, Report No. 26: Synthesis of steroids-17, 16d/16c, 16e, 16f, 16g, 16h, 16i, 16j, 16k, 16l, 16m, 16n, 16o, 16p, 16q, 16r, 16s, 16t, 16u, 16v, 16w, 16x, 16y, 16z, 16aa, 16ab, 16ac, 16ad, 16ae, 16af, 16ag, 16ah, 16ai, 16aj, 16ak, 16al, 16am, 16an, 16ao, 16ap, 16aq, 16ar, 16as, 16at, 16au, 16av, 16aw, 16ax, 16ay, 16az, 16ba, 16bb, 16bc, 16bd, 16be, 16bf, 16bg, 16bh, 16bi, 16bj, 16bk, 16bl, 16bm, 16bn, 16bo, 16bp, 16bq, 16br, 16bs, 16bt, 16bu, 16bv, 16bw, 16bx, 16by, 16bz, 16ca, 16cb, 16cc, 16cd, 16ce, 16cf, 16cg, 16ch, 16ci, 16cj, 16ck, 16cl, 16cm, 16cn, 16co, 16cp, 16cq, 16cr, 16cs, 16ct, 16cu, 16cv, 16cw, 16cx, 16cy, 16cz, 16da, 16db, 16dc, 16dd, 16de, 16df, 16dg, 16dh, 16di, 16dj, 16dk, 16dl, 16dm, 16dn, 16do, 16dp, 16dq, 16dr, 16ds, 16dt, 16du, 16dv, 16dw, 16dx, 16dy, 16dz, 16ea, 16eb, 16ec, 16ed, 16ee, 16ef, 16eg, 16eh, 16ei, 16ej, 16ek, 16el, 16em, 16en, 16eo, 16ep, 16eq, 16er, 16es, 16et, 16eu, 16ev, 16ew, 16ex, 16ey, 16ez, 16fa, 16fb, 16fc, 16fd, 16fe, 16ff, 16fg, 16fh, 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## STATE FARMS—PRODUCTION STANDARDS

Strgeeva, Z.V. [Workers' trade-union committee and establishing work norms on state farms] Rabochkom i normirovaniye truda v sovkhoozakh. [Moskva] Pizdat, 1966, 48 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 20(68))

## STATES, NEW—STATISTICS, VITAL

Notes on the demography and population policy of the developing countries. Stephen R. Dunn. Nat. A. 1. Aft. no. 6 180-181 '66  
A reply to Stephen R. Dunn. A. I. A. Kvasha. Nat. A. 1. Aft. no. 6 181-183 '66

## STATESMEN, ARGENTINE

People and events. Rodolfo Ghioldi. Nov. vrem. 25 no. 4:21 Ja '67

## STATESMEN, BARBADIAN

People and events. Errol W. Barrow; Roger Bonvin. Nov. vrem. 25 no. 2 24, 27 Ja '67.

## STATESMEN, CUBAN

People and events. Karoly Csatorday; Ricardo Alarcon de Quedada. Nov. vrem. 25 no. 8 25-27 F '67

## STATESMEN, HUNGARIAN

People and events. Karoly Csatorday; Ricardo Alarcon de Quedada. Nov. vrem. 25 no. 8 25-27 F '67

## STATESMEN, IRANIAN

People and events. Ardeshir Zahedi; Rachid Karame. Nov. vrem. 25 no. 3 10-21 Ja '67.

## STATESMEN, LEBANESE

People and events. Ardeshir Zahedi; Rachid Karame. Nov. vrem. 25 no. 3 10-21 Ja '67.

## STATESMEN, SWISS

People and events. Errol W. Barrow; Roger Bonvin. Nov. vrem. 25 no. 2, 24, 27 Ja '67.

## STATISTICAL COMMUNICATION THEORY

Significance of a statistical structure in single-determined response to signals of two types. V. A. Bodrov, A. A. Genkin, G. M. Zaslavskii. Vop. psikh. 12 no. 6, 77-86 N-D '66.

## STATISTICAL WEATHER FORECASTING

E expediency of using synoptic classification for some synoptic-statistical forecasting schemes. V. I. Kniazeva. Trudy TSIP no. 151 66-67 '66

Forecasting anomalies of mean air temperature for 5-day period using synoptic-statistical method. M. M. Fedulova. Trudy TSIP no. 154, 62-65 '66

Method for forecasting anomalies of atmospheric temperature for 10-day period. A. L. Kats, V. I. Kniazeva. Trudy TSIP no. 154 47-56 '66

Middle-range weather forecasting for mountainous countries as revealed by study made in western Georgia. D. A. Minnagadze. Meteor. tgidol. no. 12 36-40 D '66.

## STATISTICS

Indices of the gross product of the world. P. Bagrin. Vest. stat. no. 12 30-33 '66

Mean error of fraction of variant in alternative distribution. P. V. Popov. Khim. v sel' khooz. 1 no. 12-65-66 D '66

Statistics should contribute to the solution of new problems. A. Bolashki, E. I. Asin. Kommunist 43 no. 2 56-64 F '67

## STAVROPOL—LIBRARIES AND READERS

How we serve the readers of foreign literature. A. A. Kharanova. Opyt iab bibliot. i inostr. lit. no. 4 72-80 '61

## STAVROPOL TERRITORY—AGRICULTURAL CREDIT

Practice in direct credit. I. Zavallishin. Den. i kred. 24 no. 12 30-35 D '66.

## STAVROPOL TERRITORY—AGRICULTURAL WORKERS

The truth of Uncle Iakhi's. E. Losev. Agitator 34 no. 24:32-34 D '66

## STAVROPOL TERRITORY—COLLECTIVE FARMS—FINANCE

Practice in direct credit. I. Zavallishin. Den. i kred. 24 no. 12:30-35 D '66.

## STAVROPOL TERRITORY—OIL WELL CASING

Causes of failure of casing in high-temperature wells of Stavropol Territory. V. P. Banatov, A. D. Krasniuk, V. S. Suvorov. Burenie no. 12 20-24 '66.

## STEAM—THERMODYNAMICS

Thermophysical characteristics of water and steam on the saturation line (according to temperatures). Energo-mashinostroenie 8 no. 8:47 Ag '62

## STEAM BOILERS see Boilers

## STEAM BOILERS, MARINE see Boilers, Marine

## STEAM ENGINEERING

Automatic regulation of steam pressure and temperature. P. P. Patrushev, B. N. Sokolov. Bum. prom. 37 no. 4 21-23 Ap '62

## STEAM POWER PLANTS

Khasman, P. I. A. [Fundamentals of heat engineering and power systems] Osnovy teplotekhniki i silovye ustanovki. Moskva, Lesnaya promyshlennost', 1966, 310 p.

## STEAM TURBINES

Analytical method for determining economically optimum characteristics of the condensing units of turbine systems. D. M. Budnitskii. Energomashinostroenie 8 no. 8:22-26 Ag '62

Changes in the amplitude-phase characteristics of the control system of steam turbines in case of the disturbance of dynamic autonomy criteria. I. I. Khililov. Teploenergetika 8 no. 2:11-20 F '61.

Deformation of steam turbine rotors. I. M. Stepanov. Energomashinostroenie 8 no. 8 31-32 Ag '62

Determination of economical characteristics of boiler-turbine block using digital computers. E. A. I. Ikhonin. Trudy VNIIE no. 22 129-145 '65

Dynamic structure of a high-temperature gas-vapor block operating according to the TskTI-LPI system. S. A. Kantor and others. Izv. vya ucheb. zav. i nauch. issled. 9 no. 11 37-43 N '66.

## STEAM TURBINES—DESIGN AND CONSTRUCTION see subdivision under Leningrad

## STEAM TURBINES—TESTING

Determination of the internal efficiency of the regulatory stage and separate components of a turbine under field conditions. P. S. Arkinov. Energomashinostroenie 8 no. 8 36 Ag '62.

## STEAMBOATS

(see also subdivision under Great Britain)

Smansky, A. I. [Overall automation of the power plants of river steamboats] Kompleksnaya avtomatizatsiya silovykh ustanovok rechnykh parokhodov. Moskva, Transport, 1966, 144 p.

## STEAMPIPES

Effect of throttling of live steam in steam pipes on optimal distribution of loads. N. P. Viskovskii, A. N. Gerasimovich. Izv. vya ucheb. zav. i nauch. issled. 9 no. 11 14-51 N '66

Selection of material for condenser tubes with freshwater cooling. L. D. Berman, E. S. Ginzburg. Elekt. sta. 37 no. 11:23-30 N '66.

Value of the coefficients of hydraulic resistance of lense compensators. S. V. Churakova, M. P. Iliukina. Energomashinostroenie 8 no. 8:20-30 Ag '62

## STEARIC ACID

Ways of formation of carbon dioxide in oxidation of stearic acid methyl ester. N. I. Miskovich, V. A. Iashitskii, R. V. Dzhogev. Dokl. AN BSSR 10 no. 10: 752-751 O '66.

## STEEL

Enamel coatings of steel with high protective properties. I. D. Svirskii, A. D. Penomenenko. Uchi. khim. zhur. 72 no. 12:1357-1360 '66

Viscoelastic and viscoplastic waves in a material with delayed yielding. V. A. Kolifarevskii. PMTF no. 3 81-87 Mye-Je '62.

## STEEL—ANALYSIS

Spectrophotometric determination of nickel, cobalt, and chromium in steels. Report No. 1. Estimation of systematic errors arising at the expense of undetermined components. N. P. Komar, L. S. Palagina. Zhur. anal. khim. 21 no. 11:1324-1332 '66.

Use of tributyl phosphates for extraction of microgram amounts of cerium in the analysis of steels. I. U. G. Eremin, V. V. Raevskaya, P. N. Romanov. Zhur. anal. khim. 21 no. 11:1303-1306 '66.

## STEEL—BRITTLENESS

Effect of plastic deformation in the austenitic state on temper brittleness of rail steel. V. V. Druzhinin, D. I. Tarasov, I. U. V. Gordin. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12:120-121 '66.

## STEEL—CORROSION

Anticorrosive coatings in the chemical industry. I. I. Maikov, E. A. Protosavitskaya. Mont. i spets. rab. v stroi. 25 no. 10:13-16 O '63.

Effect of chlorine ions on the corrosion cracking of X18H9T austenitic steel. P. A. Akol'zin, L. V. Kornova. Teploenergetika 8 no. 2:65-60 F '61.

Studying scale formation during metal heating in continuous furnaces of light-section and wire-rod mills. E. I. Spivak and others. Stal' 26 no. 12 1130-1114 D '66

Studying the effect of some inhibitors on the ultimate strength of steel subjected to corrosion in a hydrocarbon-electrolyte system. S. A. Balczin and others. Za tekhn. prog. 8 no. 12:33-36 D '66.

## STEEL—ELECTROMETALLURGY

Effect of aluminum additions on properties of semikilled St. 5ps steel. A. F. Dolgoplov, B. I. Panich. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12:38-43 '66.

## STEEL—FATIGUE

Effect of the form of a stress cycle on the accumulation of fatigue damages. M. I. Filalov. Prikl. mekh. 2 no. 11:83-89 '66.

## STEEL—HARDENING

High temperature thermomechanical treatment of rail steel. V. V. Druzhinin, D. I. Tarasov, I. U. V. Gordin. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12:116-119 '66.

Romanov, O. M., and I. I. Cherepanova. [Thermomechanical hardening of steel] Termodinamicheskoe zmitsneniye stali. Kiyv, Naukova dumka, 1966 218 p

## STEEL—HEAT TREATMENT

New developments in research. G. M. Kompaniets, M. I. Stasovetskiy. Stal' 26 no. 12 1137-1138 D '66

## STEEL—INCLUSIONS

Nonmetallic inclusions in aluminum-alloyed steel. A. T. Pavlovskiy and others. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12:61-66 '66.

## STEEL—METALLOGRAPHY

Effect of structure-free cementite on workability of cold-rolled mild sheet steel. Kuz.-shlam. protzv. 3 no. 12:15-18 D '66

Kinetics of austenite transformation during continuous cooling. L. N. Aleksandrov, N. B. Malyshanova. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12 106-110 '66.

Process of the formation of extra-axial heterogeneity in ingots. A. A. Zharovskii, I. I. Rabinovich. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12:14-49 '66.

Speed of quenching and its influence upon structure and properties of St. 3-type steel. N. F. Legel'da and others. Stal' 26 no. 12 1131-1134 D '66.

## STEEL—METALLURGY

New developments in research. G. M. Kompaniets, M. I. Stasovetskiy. Stal' 26 no. 12 1099 D '66.

New method for the complex improvement of the machinability of steel castings. S. V. Lomuskiy. Dokl. AN BSSR 6 no. 6 360-368 Je '62

Using steel chips in steel smelting. N. A. Baitov and others. Lit. protzv. no. 12:6-7 D '66.

## STEEL—QUENCHING

Speed of quenching and its influence upon structure and properties of St. 3-type steel. N. F. Legel'da and others. Stal' 26 no. 12 1131-1134 D '66.

## STEEL—TESTING

Mathematical expression of impact toughness in low-carbon steel depending on temperature of testing and carbon content. N. G. Bukhivostova, K. V. Popov. Izv. vya ucheb. zav. i nauch. issled. 9 no. 12:111-115 '66.

Wear resistance changes in P10 steel under the effect of ultrasonic waves. V. N. Chuchin, A. I. Skritchenko. Dokl. AN BSSR 10 no. 10, 783-785 O '66.

## STEEL, EFFECT OF TEMPERATURE ON

Heat resistance of steel and practical problems of its heating and cooling solved on this basis. S. G. Gotsmanov. Kuz.-shlam. protzv. 3 no. 12:35-40 D '66.

## STEEL, HEAT RESISTANT—ELECTROMETALLURGY

Hardness of heat resistant steels at high temperatures depending on addition alloys and heat treatment. N. A. Byshova, D. I. Vishniakov. Trudy MATI no. 66:16-20 '66.

## STEEL, HEAT RESISTANT—TESTING

Boron alloying of austenitic steel and alloys for welded structures. B. I. Medvedev and others. Avtom. svar. 19 no. 12:52-57 N [i. e. D] '66.

## STEEL, STAINLESS—PICKLING see subdivision under Zaporozhye

## STEEL, STAINLESS—TESTING

Testing for hydrostatic bulging of certain stainless steels. F. I. Ruzanov. Kuz.-shlam. protzv. 3 no. 12:21-23 D '66.

## STEEL, STAINLESS—WELDING

Properties of welded joints in heat-resistant stainless steel. M. M. Shirikman. Avtom. svar. 19 no. 12:9-12 N [i. e. D] '66.

## STEEL, STRUCTURAL

The expediency of using high-strength steel rolled products in steel structural elements. V. I. Labzenko, I. U. V. Smirniagin. Prom. zdan. no. 2 31-35 '61

## STEEL, STRUCTURAL—HEAT TREATMENT

Increasing structural steel strength by heat treatment. L. I. Gladstein, D. A. Litvinenko, Kh. Sh. Levinson. Stal' 26 no. 12:1126-1131 D '66.

## STEEL ALLOYS

Extraction-photometric determination of aluminum in alloyed steels using sulfochlorophenol. S. B. Savvin, P. N. Romanov, I. U. G. Eremin. Zhur. anal. khim. 21 no. 12 1423-1426 '66.

Interaction between an Al-Pb-Sn melt and cyclically deformed steel. M. L. Chiriacovskiy, V. F. Shalynskiy. Dokl. AN URSS no. 11 1456-1460 '62.

## STEEL CASTINGS

Techniques for casting pole flanges. B. E. Duf'yan. Lit. protzv. no. 11:43 N '63.

**STEEL CASTINGS (Continued)**  
Using internal chills in the production of steel castings, P. F. Vasilievskii, G. A. Kuznetsov, Lit. proizv. no. 12, 7-10 D '66

#### STEEL CASTINGS—COOLING

Internal chills in steel castings, G. A. Maksimenko, Lit. proizv. no. 11:3-1 N '63

#### STEEL CASTINGS—DEFECTS

Interaction of steel with the mold in precision casting, D. T. Lapkin and others, Lit. proizv. no. 11:14-45 N '63

#### STEEL CASTINGS—STANDARDS

New All-Union State Standard for steel casting, V. I. Berlin, B. V. Zakharov, Lit. proizv. no. 12:39-10 D '66

Plans of the All-Union State Standard for steel castings, I. U. A. Evstafatov and others, Lit. proizv. no. 12:37-39 D '66

#### STEEL CASTINGS—TESTING

Effect of pressure on structure and properties of cast steel, A. A. Ryshkov, L. D. Sorokhin, Lit. proizv. no. 12:75 D '66

Effect of rare-earth elements on structure and properties of KhGN25A12B5 steel, D. I. A. Vinnikov, N. A. Bystrova, Trudy MATI no. 66:33-10 '66

#### STEEL CASTINGS—THERMAL PROPERTIES

Increasing the cold resistance of steel castings, I. U. A. Shal'ko, V. V. Lamer, I. P. Volchok, Lit. proizv. no. 12:35-36 D '66

**STEEL INDUSTRY** see subdivision under Chelyabinsk; Cherepovets (Vologda Province); Zlatoust (Chelyabinsk Province)

#### STEEL INDUSTRY—MAPS

Map of our country: with a map, D. Popov, Agitator 34 no. 1:24-27 Ja '67

#### STEEL INDUSTRY—SCHEDULING

Organization of work according to the schedule in a metallurgical plant, I. U. Bocharov, Sots. trud 11 no. 12:77-80 D '66

#### STEEL INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovations in the steel industry of the R. S. F. S. R., 1954-1962, A. M. Katsva, Ist. SSSR 10 no. 6:92-105 N-D '66

#### STEEL INGOTS—MODELS

Electrothermal modeling of the process of solidification and heating of rimmed steel ingots in soaking pits, V. D. Maion and others, Izv. vuz. ucheb. zav. i. zhurn. 9 no. 12:119-155 '66

#### STEEL-NICKEL ALLOYS

Photometric determination of niobium in nickel-base alloyed steels and alloys, V. F. Mal'tsev, E. N. Pashchenko, N. P. Volkova, Zhurn. anal. khim. 21 no. 10:1205-1209 '66

#### STEEL PIPE

see Pipe, Steel

#### STEEL STRIP

Jaw feed with pneumatic drive for strip material, V. S. Sharashov, E. P. Shablinshik, A. M. Kuntsevich, Nauch. trudy ENKIMASHa no. 11:159-167 '66

#### STEELWORKS

see Iron and steel plants

#### STEERING GEAR

Determining the diameter of the rudder stock of ice-breakers and ships sailing in ice-infested waters, A. A. Bublinkin, Sudostroyeniye 28 no. 12:13-15 D '62

Effectiveness of auxiliary steering device, A. Vasil'ev, Rech. transport 21 no. 7:30-31 J1 '62

#### STEL'MAKH, MYKHAILO PANASOVYCH, 1912-

In the creative laboratory of Mykhailo Stel'makh, Ivan Semenchuk, Sov. Dik. 12 no. 4:110-156 Ap '62

#### STEPMOTHERS

A mother or a stepmother? F. Kotlashova, Sem. i shkola 21 no. 12:47 D '66

The stepmother, A. Gharitonova, Sem. i shkola 21 no. 11:12-11 N '66

#### STEPPE FLORA

see subdivision under Transbaikalia

#### STEREOCHEMISTRY

Stereochemistry and reactivity of unsaturated compounds, Part 2. Synthesis and reactivity of  $\gamma$ -aldehyde acids of  $\Delta^3$ -cyclohexene series, G. P. Gagarova-Sherniakina, V. M. Andeev, S. A. Kazarlan, Zhurn. org. khim. 2 no. 11:2065-2074 N '66

Stereochemistry of hydrogenation and hydrogenolysis, E. I. Kisunovskii, Usp. khim. 35 no. 7:1204-1323 J1 '66

#### STERILITY IN ANIMALS

Prophylaxis of sterility in herd bulls, A. M. Kuznetsov, Veterinariia 43 no. 1:53-54 Ja '67

Studying the physical, chemical, and some pharmacological properties of preparation KP, Report No. 1, E. I. Spirin, Sbor. nauch. rab. SibNIVi no. 11:169-173 '62

Use of pregnant mare's serum and erythrocyte mass in sterility of cows, I. L. Akuchuk, Veterinariia 43 no. 1:79-80 Ja '67

#### STERILITY IN PLANTS

Development of lines maintaining cytoplasmic male sterility in sugar beets, A. N. Lukov, V. I. Kovalenko, Sel'khoz. biol. 1 no. 6:801-808 '66

Effect of gamma irradiation at various periods of plant development, N. N. Koshchiro, Sots. trud asp. 1 mol. nauk sot. VIR no. 2:317-321 '61

Studying the character of the cytoplasmic male sterility of corn and its use in hybridization, T. S. Chalyk, Gen. i sel. sel. kuz. no. 1:92-139 '65

#### STERILIZATION

Sterilization of anesthetic equipment, T. N. Kazantsev, E. L. Krasnoshchekova, S. M. Gafanullina, Eksp. khir. i anest. 8 no. 6:71-76 N-D '63

#### STERILITAMAK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Ialupov, Kh. Ia. [Proud occupation] Goidala professia, Ufa, Bashkirskoe knizhnoe izd-vo, 1963, 34 p. (Malaki pronyislennosti Bashkirii)

#### STEROID HORMONES

Diuretic action of ACTH, cortisone and prednisone in patients with electrolyte insufficiency, V. K. Saikova, Sov. med. 26 no. 3:131-133 M '63

#### STEROID HORMONES—PHYSIOLOGICAL EFFECT

Effect of steroid hormones on biochemical and morphological changes in heart during experimental myocardial infarct, I. A. Uvatova and others, Trudy i-go NMII 13:42-53 '65

#### STEROIDS

Chromatography of 3-ketosteroids in thin layer of solvent, Report No. 2, Use of acid aluminum oxide, B. kh. Nguen, A. A. Chemeisapala, Zhurn. anal. khim. 21 no. 11:1375-1379 '66

Effect of progesterone on the excretion of 17-ketosteroids in elderly persons, N. V. Sverchikova, N. V. Vorzhikovskaya, V. I. Bakker, Sov. med. 26 no. 3:114-116 M '63

Steroid compounds in the fungus *Monascus obliquus*, E. V. Lavtagina, A. N. Shvinnina, Biokhimiia 27 no. 5:1701-800 S-Q '62

Steroids, Report No. 26: Synthesis of steroids-17, 16d, isoxanols, I. I. Kilmova, N. N. Savorov, Khim. prirod. soed. no. 5:325-333 '66

Thin-layer chromatographic analysis of steroids on microplates coated with silica gel, I. I. Zaitseva and others, Khim. prirod. soed. no. 5:321-325 '66

#### STILLBIRTH

Pel'ov-Mashkov, M. A., and I. I. Kilmova, [Perinatal mortality] Perinatalnaya smertnost' [Leningrad] Meditsina, 1965, 217 p. (DNLM)

#### STOCHASTIC PROCESSES

Absolute continuity of measures, corresponding to Gaussian processes, in linear transformations, A. D. Shintashvili, Trudy Vych. teorii AN Gruz. SSR 3:211-260 '62

Akademii nauk Gruzinskoi SSR, Institut kibernetiki, [Problems in the analysis of operations] Voprosy issledovaniia operatsii, Tbilisi, Metsnereba, 1966, 117 p.

Average number of overshoots of a random process at the output of a receiving device, M. I. Dolman, Izv. vuz. ucheb. zav. i. radiotekh. 6 no. 6:742-750 N-D '66

Condition for correct interpolation of generalized uniform random field, O. I. Ponomarenko, Dop. AN URSS no. 11:1400-1102 '66

Determination of the interval of independent registration of random stationary process by comparison of the distribution functions of two-dimensional probability densities, N. A. Rubichev, Radiotekh. i elektron. 11 no. 12:2220-2221 D '66

Distribution of time interval probability between zeroes of a narrow-band normal random process, A. M. Romanov, B. A. Sidorov, Radiotekh. i elektron. 11 no. 12:2222-2222 D '66

Extrapolation of one class of nonstationary random processes, V. B. Il'corhleva'kyl, V. N. Stepanenko, Avtomatika 11 no. 6:70-71 '66

Some stochastic optimization techniques, I. U. M. Ermo-lev, E. V. Nekiylova, Kibernetika no. 6:95-98 N-D '66

#### STOCK AND STOCKBREEDING

(see also subdivision under Bai-Talginskiy District; Estonia; Voronezh Province)

Problems in the physiology and pathology of reproduction in farm animals, V. S. Shipilov, Veterinariia 43 no. 11:105-109 N '66

#### STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

see subdivision under Estonia

#### STOCK AND STOCKBREEDING—MANAGEMENT

(see also subdivision under Petrikov District)

Use of the two-shift system on a farm is good, L. Ermakova, Sov. prof. soluz. 22 no. 23:9 D '66

#### STOIKO, ANATOLII GEORGEVICH, 1895-1966

In memory of A. G. Stoiko, Zhurn. nekr. i psikh. 67 no. 1:156 '67

#### STOMACH

Anatomy of the efferent lymphatic vessels of the stomach in the adult person, V. S. Revorov, Arkh. anat. i gist. embr. 44 no. 3:19-27 Mr '63

Study of the so-called absorbing function of the stomach under clinical conditions, I. A. S. Tsimmerman, Sov. med. 29 no. 12:18-21 D '66

#### STOMACH—CANCER

Combined treatment of gastric cancer and breast cancer with the use of radioactive gold, V. M. Silenkov and others, Vop. onk. 12 no. 12:10-13 '66

Complications related to the use of a permanent catheter in operations on cancer of the upper portion of the stomach and esophagus, L. G. Kharitonov, A. V. Bogdanov, A. Zh. Verman, Khirurgiia 12 no. 11:36-38 N '66

Compound diagnosis of gastric cancer, A. I. Plieta-zhuk, Khir. onk. no. 1:201-208 '65

Electrophoretic examinations of denaturation processes of serum proteins in cancer of the stomach, Z. B. Norkina, Lab. delo no. 148:49 '67

Experimental basis and clinical use of a new method for performing esophagogastric anastomosis, K. N. Tsetsandil, Eksp. khir. i anest. 8 no. 6:19-23 N-D '63

Malignization of gastric ulcer, E. V. Loskutova, Trudy Inst. im. N. V. Sklif. 7:112-117 '63

Methodology and roentgenological methods in gastric cancer, I. U. N. Sokolov, Vest. rent. i rad. 37 no. 3:3-13 My-Je '62

Obscure metastases of stomach cancer; 1 observations, V. M. Medunetskaia, Vop. onk. 12 no. 12:56-57 '66

Pneumopneumothorax in the X-ray diagnosis of cancer of the upper parts of the stomach, E. F. Pirov, V. I. Astaf'ev, Vest. rent. i rad. 37 no. 3:27-30 My-Je '62

Resection of the stomach in cancer with direct anastomosis of the gastric stump and the duodenum, I. U. I. Iudakov, Vop. onk. 9 no. 3:119-123 '63

Roentgenological data on the state of the digestive tract following total gastrectomy for cancer, A. G. Nadzharov, I. A. Ramazanova, Vop. onk. 9 no. 3:74-83 '63

Role of the alimentary factor in the development of precancerous diseases and gastric cancer, A. S. Shemchuk, Khir. onk. no. 1:24-27 '65

Role of the parietography method in the diagnosis of gastric cancer, V. B. Antonovich, Vest. rent. i rad. 37 no. 3:21-27 My-Je '62

Some problems of the differential X-ray diagnosis of gastric cancer, I. A. Shekhter, Vest. rent. i rad. 37 no. 3:14-20 My-Je '62

Study of the antigens of stomach cancer in man by precipitation in agar, L. V. Shekhter, Vop. onk. 9 no. 3:22-27 '63

Study of the karyotype of a monolayer culture of a human stomach cancer, E. P. Ugrumov, M. T. Tsonova-Maneva, Biol. eksp. biol. i med. 55 no. 5:193-96 My '63

Surgical treatment of gastric cancer, M. A. Mlagkii, Khir. onk. no. 1:69-72 '65

#### STOMACH—DISEASES

Diseases of the stomach following gastrectomy and their treatment, I. K. Plieta, R. N. Kuznetsov, Trudy Inst. im. N. V. Sklif. 7:107-112 '63

Diseases of the stomach following gastrectomy for peptic ulcer, M. E. Kornakova, T. I. Akimov, Trudy Inst. im. N. V. Sklif. 7:81-87 '63

Gastric electrophoretometry in the diagnosis of different stomach diseases, Report No. 2, S. M. Guseinova, Azerb. med. zhurn. no. 7:17-22 J1 '62

State of the stomach in patients with poriasis, I. U. I. Fishon-Ryss, V. K. Kalgin, Vest. rent. i rad. 37 no. 3:23-26 Mr '63

Use of small intestine in plastic surgery in the treatment of gastric diseases following gastrectomy, E. I. Zakharov, Trudy Inst. im. N. V. Sklif. 7:117-123 '63

#### STOMACH—INFLAMMATION

Problem of X-ray hyperdiagnosis of chronic gastritis, V. I. Unru, Trudy Novokuz. GIDUVA 32:84-87 '65

#### STOMACH—RADIOGRAPHY

Postoperative pseudotumors of the stomach, P. V. Vlasov, Vest. rent. i rad. 37 no. 3:31-34 My-Je '62

Radiation damage of stomach induced by radioactive cesium, G. A. Lebedeva, Radiobiologiya 6 no. 5:597-600 '66

#### STOMACH—SECRETIONS

Changes in conditioned reflex activity and gastric secretion following radiation sickness, S. R. Potepkin, Radiobiologiya 6 no. 5:851-859 '66

Changes in the functional state of the stomach in diabetes mellitus under the effect of insulin treatment, N. A. Kalinina, Sov. med. 29 no. 12:22-26 D '66

Results of using insulin as a stimulant in examination of gastric secretion, V. A. Abadzhian, Sov. med. 29 no. 12:84-87 D '66

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## STRATIGRAPHIC PALEOBOTANY see Paleobotany, Stratigraphic

## STRAW

Effect of methods for studying changes in the properties of straw and reed culms in the process of graining  
M. M. Gumberg. *Sbornik dokl. UINIB* no. 7 81-92 '66.

## STRAW—ANALYSIS

Chemical composition of spring wheat straw. I. P. Zabolina, M. I. Gorav. *Gidroliz i tselulozn. prom.* 15 no. 4 12-13 '62.

Chemical composition of various fractions of ground straw and reed. K. A. Dolgov, D. A. Pisanenko. *Sbornik dokl. UINIB* no. 7 53-79 '66.

## STRAWBERRIES

Studying the morphogenesis of the vegetative organs of the strawberry *Fragaria vesca* L. S. P. Ponomareva. *Trudy Urdizh. inst.* 14 Ser. *Phytoph.* no. 1 182-185 '66.

## STRAWBERRIES—FERTILIZERS AND MANURES see Subdivision under Zhitomir Province

## STRAWBERRY BREEDING

Hereditary inheritance in strawberries. G. N. Shangin-Borczovskii. *Trudy Inst. gen.* no. 26 66-81 '62.

## STREAM MEASUREMENTS

(see also subdivision under Kuybyshev Reservoir)

Hydraulic calculation of flow under ice cover. V. I. Sinatkin. *Z. A. Genkin. Meteor. i gidrol.* no. 12 16-18 D '66.

Theoretical premises for studying a stream flow using radiant energy. O. K. Shonina. *Trudy Gruzinsk. shk. 3* no. 2 125-133 '67.

## STREET RAILWAYS—SAFETY MEASURES

Russia (U.S.S.R.). *Upravlenie gorodskogo elektrotansporta*. [Safety regulations for urban electric transportation] *Priavleniya lekhniki bezopasnosti na gosudarstvennom elektrotanspore*. Moskva, Stroiizdat.

Ser. 2. [Rolling stock of street car lines and trolley buses, depot, repair shops] *Podvratnyy sostav tramvaya i trolleibusa, depo, remontnyye master'skie* 1966 111 p.

## STREETCARS—MAINTENANCE AND REPAIR

[Welding and building-up operations in streetcar maintenance] *Svayozhno-raprazochnyye raboty v tramvalnom khoziaistve* [By] V. S. Naumenko i dr. Moskva, Stroiizdat, 1966. 202 p.

## STRENGTH OF MATERIALS

(see also subdivision under Ukraine)

Ilshovich, G. M. [Strength of materials] *Soprotivleniye materialov* Ed. 2., pechat. Moskva, Vysshaya shkola, 1966 511 p.

Measuring stresses and deformations at high pressures and temperatures. Z. I. Stakhovskaya, I. S. Tomashchuk. *Trudy Inst. fiz. Zem.* no. 17 160-167 '66.

Ilshikhin, V. E. [Combined resistance, manual on the course "Strength of materials" for students of the Engineering Department] *Slozhnoye soprotivleniye, posobie po kursu "Soprotivleniye materialov" dlya studentov Inzhenernogo fakul'teta*, Moskva, Vses. s.-kh. in-t zashchitnoy obratovaniya Pt. 2 1965. 30 p.

Strengthening of metals under cumulative shock waves. K. I. Kozlov. *Dokl. AN SSSR* 171 no. 2 94-126 N '66.

## STRENGTH OF MATERIALS—PROBLEMS, EXERCISES, ETC

Moskovskiy Institut narodnogo khoziaistva, Kafedra tekhnicheskoy mekhaniki. [Methods manual on the solution of problems in the strength of materials, for correspondence students of the technological department] *Metodicheskie ukazaniya k resheniyu zadach po soprotivleniyu materialov; dlya studentov zashchitnoy otdeleniya tekhnologicheskogo fakul'teta*, Dopolneniye k metodicheskim ukazaniyam i konspetsiyam zadaniyam A. V. Darkova, I. B. I. Kutukova, izd. 8., 1960 g. Moskva, 1962. 35 p.

## STREPTAMINE—PHYSIOLOGICAL EFFECT

Effect of deoxystreptamine-containing antibiotics on protein synthesis in acellular systems and on the dissociation of 70S ribosomes in the bacterial cell. I. U. Sarykin, V. I. Afonin. *Antibiotiki* 11 no. 11 987-992 N '66.

## STREPTOCOCCUS

Study of antigenic substances, parts of the composition of streptococcus allergen. N. A. Borodink, M. N. Smirnova, M. E. Prigod. *Zhur. mikrobiol. i epid. i immun.* 43 no. 1 20-24 N '66.

Various pathogenetic mechanisms of the pyretic reaction under the effect of streptococcal antigens. V. I. Pyshkii. *Biol. eksp. biol. i med.* 55 no. 5 60-73 My '63.

## STREPTOMYCES—CULTURES AND CULTURE MEDIA

Study of the ultraviolet mutant No 109 of *Act. streptomycini* which has lost the capacity to synthesize streptomycin. S. I. Akhmetan, A. F. Teleriatnik. *Mikrobiologiya* 31 no. 2 262-264 Mr.-Ap '62.

## STREPTOMYCIN

Effect of growth stimulants on streptomycin production. S. N. Ilyumeno. *Mikrobiologiya* 31 no. 5 792-795 S-O '66.

Effect of streptomycin on the oxidation-reduction process in angiotropic chlorenchyma patients. G. I. Shkhalabekov. *Arkh. med. zhur.* 10 no. 9 53-57 S '61.

Kinetics of cathodic processes in solutions of streptomycin on metals with high hydrogen overvoltages. V. V. Shumakov, N. E. Khomutov. *Trudy MKhIT* 11 no. 41 77-81 '63.

Pathomorphology of experimental plague treated with streptomycin. Report No. 2. Pathomorphology of experimental plague induced by conjunctival inoculation and treated with streptomycin. O. N. Trubchenova. *Trudy Gosnaukh. preobrazh. inst.* 16 21-31 '69.

Some physiological characteristics of streptomycin-resistant staphylococcal variants. P. V. Komarov. *Mikrobiologiya* 31 no. 2 277-281 Mr.-Ap '62.

## STRESS (PHYSIOLOGY)

Changes in higher nervous activity in students of junior classes of boarding schools during the day and the effect of active rest in form of lively play and physical exercise. A. A. Gushakovskii. *Zhur. vys. nerv. deiat.* 12 no. 3 465-171 My-Je '62.

Changes in the activity of some blood serum enzymes under the effect of strong stimuli on the body. M. L. Bekn'kii, A. P. Blinger, I. A. Shuster. *Biol. eksp. biol. i med.* 55 no. 5 67-69 My '63.

Changes in the content of blood sugar and lactic acid in the blood of athletes during standard exertion in the process of acquiring a good form. N. N. Iakovlev and others. *Fiziol. zhur.* 18 no. 10 1265-1269 O '62.

Characteristics of external respiration during muscular work under industrial conditions. B. A. Katanaev, V. V. Rozenthat. *Fiziol. zhur.* 48 no. 10 1218-1224 O '62.

Effect of physical stress on collateral lymphatic ducts. M. G. Pivovarov. *Arkh. anat. i gist. i embri.* 11 no. 3 103-107 Mr. '63.

Effect of 3,4-dinitrophenol on the resynthesis of phosphocreatine and glycogen in the muscles during the period of rest after work. N. R. Chagovaya. *Fiziol. zhur.* 48 no. 10 1260-1264 O '62.

Effect of various physical loads on gas exchange in isolated dogs. I. V. Bondarenko. *Vopr. radichiol.* 1:140-149 '61.

Excretion of catechol amines with the urine in coronary insufficiency under conditions of functional stress. I. E. Solov'eva, T. I. Belikova. *Trudy 1-go MMI* 13 31-41 '65.

Mechanism of changes in thyroid gland functions during stress. I. U. B. Skolobol'skaya, I. P. Obolendov. *gorn.* 9 no. 1 111-118 Ja-F '67.

Morphological changes in the heart and its vessels under conditions of varying physical activity of the organism of a dog. I. U. P. Antypel'm. *Dop. AN URSSR* no. 7 656-659 '63.

Physiology of higher nervous activity and work processes. S. A. Solov'ov. *Zhur. vys. nerv. deiat.* 12 no. 3 361-170 My-Je '62.

States of stress and fatigue under conditions of isolation from external stimuli. E. D. Goshov, V. I. Mironov, V. I. Izotovskii. *Zhur. vys. nerv. deiat.* 13 no. 4 585-592 Ji-Ag '63.

## STRESS WAVES—SPEED

Effect of high pressures on longitudinal wave velocities in gneiss and crystalline schist of the northeastern part of Kola Peninsula. N. E. Gaidin. *Trudy Inst. fiz. Zem.* no. 37 93-117 '66.

Longitudinal wave velocities in fluid-containing sedimentary rocks of the Carpathian Mountain region, tested under high pressures. M. P. Volnovich and others. *Trudy Inst. fiz. Zem.* no. 37 118-156 '66.

Longitudinal wave velocities in intrusive rock specimens of Central Kazakhstan under hydrostatic pressures. M. P. Volnovich and others. *Trudy Inst. fiz. Zem.* no. 37 16-51 '66.

Longitudinal wave velocities under high hydrostatic pressures in specimens of metamorphic and sedimentary rocks of central Kazakhstan. M. P. Volnovich and others. *Trudy Inst. fiz. Zem.* no. 37 52-60 '66.

Studying longitudinal wave velocities and compressive strength of rock specimens of Duzgata, under hydrostatic pressures of up to 9,000 kg/cm<sup>2</sup>. M. P. Volnovich, I. S. Tomashevskaya, I. G. Bruchev. *Trudy Inst. fiz. Zem.* no. 37 118-120 '66.

Studying longitudinal wave velocity in sedimentary rocks with a fluid filler under high hydrostatic pressures. M. P. Volnovich and others. *Trudy Inst. fiz. Zem.* no. 37 140-148 '66.

## STRIKES AND LOCKOUTS

Labor and capital in 1966. A. Borisov, I. Vnogradov. *Nov. vrem.* 25 no. 1 18-21 Ja '67.

## STRIP MINING

(see also subdivision under Dzhezkazgan region, Kazakhstan, Kuznetsk Basin, Nikopol' region, Ukraine)

Method of determining loosening coefficients of hard rock piles. I. U. I. Belikov, A. V. Rezunik. *Gor. zhur.* no. 12 16-21 D '66.

Mobile timber poles for electric transmission lines in open-pit mining. N. S. Pavlov. *Gor. zhur.* no. 12 64-65 D '66.

Stradkov, A. P. [New boring methods and equipment for strip mining] *Novaya burovaya tekhnika dlya otkrytykh rabot*. Moskva, Nedra, 1960 96 p.

Special transportation for high productivity of open pit mines located in the mountains. V. V. Rzhnevskii, I. U. I. Anisimov, S. A. Ulin. *Izv. vuz. ucheb. zav. gor. zhur.* 6 no. 5 101-106 '63.

## STRIP MINING—COSTS

Manufacture of a caving machinery and economic aspects of strip mining. I. U. I. Chetunov, V. A. Vainonenkov. *Gor. zhur.* no. 12 7-11 D '66.

## STRIP MINING—EQUIPMENT AND SUPPLIES

Determining the height of benches during mining with use of cantilever waste stacks. I. I. Ostrokhov, A. R. Gromov. *Gor. zhur.* no. 12 24-27 N '66.

Further mechanization of industrial processes in open pit mines. M. Ilshikhin. *Bezop. truda v prom.* 6 no. 3 31-32 My '62.

Increase in reliability and service life of medium-capacity open-pit excavators. P. N. Kostenko. *Ugol'* 11 no. 12 35-36 D '65.

Rzhnevskii, V. V. [Technology, mechanization and automation of open-pit mining operations] *Tekhnologiya, mekhanizatsiya i avtomatizatsiya protsessov otkrytykh gornykh razrabotok*. Moskva, Nedra, 1960. 653 p.

## STRIP MINING—MANAGEMENT

(see also subdivision under Kirghizistan)  
A method of determining losses sustained by interruptions in electric supply of mining equipment in open-pit operations. S. A. Volkovskii, V. M. Iudin. *IA S. Gromov. Gor. zhur.* no. 12 13-15 D '66.

## STRIP MINING—MECHANIZATION

Mechanization and automation of industrial processes in Kirovskiy open-pit coal mines. S. V. Khokhlov. *Ugol'* 11 no. 12 13-15 D '66.

## STRIP MINING—SAFETY MEASURES

Electrical safety in strip mining operations. G. K. Tsveleva. *Bezop. truda v prom.* 6 no. 5 27-20 My '62.

## STRONGYLOIDIASIS see Subdivision under Ukraine

## STRONTIUM

Pressure of dissociation of strontium fluoroborate. A. V. Novoselova, P. Sh. Minakov, I. P. Ruzhentnikova. *Vest. Mosk. univ. Ser. 2 Khim.* 17 no. 5 36-37 S-O '62.

## STRONTIUM ISOTOPES

Transition of Sr<sup>90</sup> into the progeny of rats following a single intra-abdominal administration. M. A. Ievchenko, I. U. D. Pavlov. *Med. rad.* 7 no. 8 71-76 Ag '62.

## STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Inhibition of calcium-90 and calcium from dog organism. I. A. Suvorova. *Radiobiologiya* 6 no. 5 701-707 '66.

Partial elimination of strontium-90 from mammalian organism. B. N. Amirov. *Radiobiologiya* 6 no. 5 753-754 '66.

Role of the hypophysis in the development of hypoglycemia following a local irradiation. E. I. Komarov, R. I. A. Keldina. *Vopr. radiobiol.* 1:33-38 '61.

Role of the suprarenal gland in the tissue respiration regulation of the intestines irradiated with radioactive strontium. Z. I. Shkova, E. I. Komarov. *Vopr. radiobiol.* 1:25-32 '61.

## STRUCTURAL ALUMINUM see Aluminum, Structural

## STRUCTURAL DYNAMICS

Buildings with yielding structure for conditions of construction on sagging soils. D. Shapoval and others. *Zh. st. i st. no. 10:13-18 '66.*

Slagov, P. P. [Statistical calculation of frame and panel multi-story apartment houses] *Staticheskii raschet kar-kano-panel'nykh zhdanil bol'shoi etazhnosti*, Leningrad, Stroiizdat, 1965. 121 p.

Study of model of large-panel residence with sagging foundation. P. Kononov. *Zh. st. i st. no. 10:24-25 '66.*

## STRUCTURAL FRAMES

Calculating rod systems for seismic stresses. R. I. Pogorelova, I. A. Eganov. *Izv. vuz. ucheb. zav., stroit. i arkhit.* 9 no. 9 43-48 '66.

Heat treating of reinforced concrete frame structural elements using induction method. N. N. Danilov, B. M. Kravonovskii. *Rat. i zh. i bet.* 12 no. 12:10-14 D '66.

Safety measures in the assembly of the framework of single-story industrial plants. S. S. Nikitin. *Mont. i spets. rab. v stroit.* 25 no. 10:22-25 O '63.

## STRUCTURAL FRAMES—MODELS

Akhangorodskii, A. G., and L. M. Bolen'kii. [Mechanical calculation of flat frames; laboratory manual for the "Shipbuilding and ship repair" major] *Mekhanicheskii raschet ploshkii ram, rukovodstvo po vypolneniyu laboratornykh i sbor dlya spetsial'nosti "Sudostroyeniye i sudoremont"*. [Kalinina] Kalininskaya knizhnoye izd-vo, 1965. 27 p.

[MICROFILM]

- STRUCTURAL GEOLOGY** see *Geology, Structural*
- STRUCTURAL STEEL** see *Steel, Structural*
- STRUMILIN, STANISLAV GUSTAVOVICH, 1877-**  
Academician Stanislav Gustavovich Strumilin on his 90th birthday. *Plan. Khim.* 43 no. 1:55-56 Jan '67
- Akademika nauk SSSR, Otdelene ekonomiki.** [Improving planning and administration of the national economy. On Academician Stanislav Gustavovich Strumilin's 90th birthday.] *Sovetskaya shkola plantovaniia i upravleniia narodnym khoziaistvom. K devyatiostiletiu akademika Stanislava Gustavovicha Strumilina.* Moskva, Nauka, 1967. 434 p
- STRUTS (ENGINEERING)—TESTING**  
Unit for testing models of suspended struts. L. M. Kolesnikov. *Pril. mekh.* 2 no. 11:118-122 '66
- STRYCHNINE**  
Method of determining strychnine nitrate and the codeine base in Di Karmanova's tablets. V. G. Lyubimova, N. S. Gorischeva. *Apt. delo* 12 no. 1:39-42 Jan '63
- STRYI REGION (UKRAINE)—WOOD-USING INDUSTRIES—EQUIPMENT AND SUPPLIES**  
Efficiency promotes proposals at the Stryi Production Association of the Furniture and Woodworking Industries. L. R. Diakon. *Lis hosp. lis. prap. del. prom.* no. 6:27-29 N-D '66
- STUDENT ACTIVITIES**  
Good initiative and useful work. *Nat. obr.* no. 12:12-13, 21 D '66
- STUDENT TEACHING**  
Practical experience in educational work. M. Chernova. *Nat. obr.* no. 12:20-22 D '66
- STUDENTS—HEALTH AND HYGIENE**  
(see also subdivision under Makeyevka)  
Change in motor chronaxia and the functional state of the cardiovascular system in students during the examination period. Report No. 2. M. M. Efendiazade, T. A. Bagdasaryova. *Jz. kib. med. zhur.* no. 7:49-55 II '62
- Physical development of students. M. M. Bukalov and others. *Teor. i prak. fiz. kul't.* 29 no. 11:57-59 N '66
- Study of an outbreak of epidemic hepatitis in school. R. S. Cherednichenko. *Zh. mikrobiol. i epid. immunit.* 43 no. 11:440 N '66
- STUDENTS—POLITICAL ACTIVITY**  
(see also subdivision under Ural Mountain region)  
A painful problem. S. Loeva. *Agitation* no. 2:42 Jan '62
- STUDENTS, FOREIGN**  
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The feeling of belonging to a single family. V. Morzin. *Agitation* no. 18:45-47 S '62
- STUDENTS' SOCIETIES**  
"Istafel" a student society. F. Shityalo. *Nat. obr.* no. 12:54-56 D '66
- STURGEON BREEDING**  
Analysis of two methods of raising young sturgeons. V. V. Mikhaiten, V. K. Kiselev. *Ryb. khoz.* 42 no. 11:34-36 '66
- TYLE, LITERARY**  
The style of present-day Soviet prose. Evgenii Stepanov. *Nauch. rab. stud. iamb. gos. ped. inst.* no. 1:11-47 '63
- STYRENE**  
Action of nitrogen oxides on bromoolefins. Part 3: Action of nitrogen tetroxide on  $\alpha$ - and  $\beta$ -bromostyrene. S. V. Vasiliev, O. T. Burdakov. *Zhur. org. khim.* 2 no. 11:1053-1059 N '66
- Gas chromatographic analysis of the products of the catalytic synthesis of divinyl benzene and styrene. T. K. Lavrovskaia, A. A. Bolandina, G. M. Yurukina. *Neftekhimika* 3 no. 5:702-705 S-O '63
- STYRENE POLYMERS**  
Composition of shock-resistant polystyrene. N. V. Galenko, A. M. Komashko, V. B. Zolina. *Plast. massy* no. 12:65-67 '66
- Copolymers of unsaturated esters of glycidol. Synthesis and analysis of the properties of the copolymers of glycidol methacrylate and styrene. I. M. Kochkov, M. F. Sokolov. *Trudy MKIITI* no. 42:97-109 '63
- Determining the gaseous products of the reaction of polystyrene with sulfur in the presence of Friedel-Crafts catalysts. A. B. Davankov, E. V. Zambrovskaya, A. V. Alfirov. *Trudy MKIITI* no. 42:174-177 '63
- Effect of electrolytes on the aggregation stability of polystyrene latexes with various stabilizer contents. L. A. Shita, E. M. Aleksandrova, I. S. Krivopalova. *Trudy MKIITI* no. 41:42-45 '63
- Effect of glass fiber on the mechanical properties of polystyrene and polymethyl methacrylate in vitreous state. V. P. Solomko, L. S. Semko. *Khim. prom. Ukr.* no. 6:17-20 N-D '66
- Effect of the copolymer of styrene and maleic anhydride on the properties of leather. L. B. San'jin, I. P. Strakhov. *Izv. vyz. ucheb. zav. i tekhn. leg. prom.* no. 4:46-53 '66
- Effect of the size of plasticizer molecules on polymer glass point. A. I. Suvorova and others. *Vysokom. soed.* 8 no. 10:1692-1697 O '66
- Mobility of polyhalogenated macromolecules. Part 1: Study of the forms of molecular motion of poly-2-thio-5-methylstyrene by the dielectric losses and polarization methods. G. P. Mikhailov, T. I. Borisova. *Vysokom. soed.* 1 no. 11:1732-1738 N '62
- Obtaining polyethylene foams with the continuous method directly from the monomer. V. A. Vorobiev, R. A. Andrianov. *Plast. massy* no. 9:6-9 '62
- Plasticization of crystalline polymers. Part 2: Effect of plasticizers on the mechanical properties of crystalline polystyrene. G. Sh. Talipov, T. I. Sogolova, V. A. Kaigin. *Vysokom. soed.* 1 no. 11:1718-1721 N '62
- Preparation of graft copolymers. Part 10: Grafting of styrene to polyethylene terephthalate (Invan). V. V. Korshak, K. K. Mozgova, S. P. Krikovskii, *Vysokom. soed.* 1 no. 11:1625-1630 N '62
- Radiation copolymerization of polyglycolmaleate esters with styrene. N. G. Videnin and others. *Plast. massy* no. 12:3-7 '66
- Reaction of polystyrene with sulfur in organic solvents in the presence of Friedel-Crafts catalysts. E. V. Zambrovskaya, A. B. Davankov. *Trudy MKIITI* no. 12:107-113 '63
- Regulating the rheological properties of polystyrene. N. N. Samosutskii, V. A. Shevchenko, N. V. Galenko. *Plast. massy* no. 12:38-10 '66
- Synthesis of homo- and isodimethylated copolymers of styrene with divinylbenzene. V. V. Korshak, S. V. Rogozhnikov, V. A. Davankov. *Vysokom. soed.* 8 no. 10:1686-1691 O '66
- Ultrasonic method to control the production of block polystyrene. I. M. Sushova, V. T. Galvan. *Plast. massy* no. 12:69-70 '66
- SUBJECT CATALOGS** see *Catalogs, Subject*
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Ways of lessening the noisiness of submarines. A. L. Piskakov. *Mos. shiz.* 49 no. 10:68-71 O '66
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- SUBMARINE DIVING** see *Diving, Submarine*
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- SUBMARINE PHOTOGRAPHY** see *Photography, Submarine*
- SUBSIDENCES (EARTH MOVEMENTS)**  
Influence of mining depth upon deformations of development workings in coal mines of Kuznetsk Basin. A. O. Spogo, I. I. Rudol. *Ugol.* 41 no. 12:26-31 D '66
- SUBSTITUTION (CHEMISTRY)**  
Substitution reactions in oxalate compounds of many of tetraacid type in the presence of thiovanate ions. R. N. Shchelokov, J. M. Shul'gin, I. I. Chernin. *Zhur. neorg. khim.* 11 no. 11:2652-2661 N '66
- SUBVERSIVE ACTIVITIES**  
Bois Savinkov case. D. Golikov. *Sov. Inst.* 30 no. 23:22-23 D '66
- SUBWAYS**  
Experimental device for the pneumatic transportation of rock in subway construction. M. I. Mlagkov. *Tranp. shiz.* 11 no. 12:22-24 D '61
- SUBWAYS—DESIGN AND CONSTRUCTION** see *subdivision under Moscow*
- SUCCINIC ACID**  
Oxidation of succinate in the structural elements of *Micrococcus lysodeikticus* in relation to deoxyribonucleic acid and magnesium ions. M. A. Lukomina, N. S. Gel'man, A. I. Oparin. *Biofizika* 28 no. 2:334-339 Mr-Apr '63
- SUCCINIC ACID—EFFECT ON PLANTS** see *Plants, Effect of succinic acid on*
- SUCCINIC DEHYDROGENASE**  
Characteristics of succinic dehydrogenase distribution in the cerebral cortex of mammals. M. M. Buzluk. *Zhur. vys. nerv. det.* 13 no. 4:731-739 Ji-Ag '63
- Hydrogenase and succinic dehydrogenase in *Azotobacter vinelandii* and their relation to nitrogen fixation. V. A. Iakovlev, L. A. Levchenko. *Dokl. AN SSSR* 171 no. 5:1224-1226 D '66
- SUCCULENT PLANTS**  
Succulent plants. A. A. Balymov. *Priroda* 55 no. 12:57-59 '66
- SUCKER RODS**  
Determining electric energy loss in friction of string of rods and tubing in crooked wells. A. G. Mair-zade. *Azerb. neft. khoz.* 45 no. 9:20-30 S '66
- SUEZ CANAL—COPEPODA**  
Copepoda in Suez Canal, Red Sea, and Gulf of Aden and their occurrence by regions. I. P. Izhabel. *Shor. at. i razr. prog. MKG* no. 15:137-140 '66
- SUGAR—ANALYSIS AND TESTING**  
Determining sugar content of defective sugar beets. S. V. Solov'eva. *Spit. prom.* 28 no. 1:15 '62
- New methods for determining sugars in the control of alcohol and liquor-and-vodka production. M. I. Sholokhet and others. *Spit. prom.* 28 no. 4:51-51 '62
- SUGAR BEETS**  
(see also subdivision under Latvia; Turva A, S, R)  
Determining sugar content of defective sugar beets. S. V. Solov'eva. *Spit. prom.* 28 no. 4:5 '62
- Experience in the processing of sugar beets in the distillation of the Kuznetsk Economic Council. A. V. Petkov. *Spit. prom.* 28 no. 1:14-14 '62
- Formation of phloem apparatus in ontogeny of sugar beet leaves under natural conditions. F. N. Gidichev, I. I. Shabel'skaya. *Dokl. AN SSSR* 19 no. 12:987-990 D '66
- SUGAR BEETS—DISEASES AND PESTS**  
(see also subdivision under Kazakhstan, Kuzbass Province; Rostov Province)  
Cultivation practices in the control of sugar beet diseases. Z. Pashin, Z. Shchelnik. *Trudy* 11 no. 11:26-27 '66
- SUGAR BEETS—FERTILIZERS AND MANURES**  
(see also subdivision under Kuznetsk, Polesye; Spitak District; Ukraine)  
Effect of fertilizers and space arrangement on productivity of sugar beets. D. A. Aldinalliev. *Izv. Kh. im. V. I. Vernadskogo* no. 2:89-93 '63
- SUGAR BEETS—GENETIC RESEARCH**  
Development of lines maintaining cytoplasmic male sterility in sugar beets. A. N. Lukov, V. I. Kovaleva, S. I. Khoch, *biol.* 1 no. 6:604-608 '66
- SUGAR BEETS—HARVESTING**  
Economic-mathematical model of the optimal schedule of sugar beet lifting. I. U. P. Chernov, A. I. Shchepanenko. *Ekon. i mat. metod.* 1 no. 6:931-931 N-D '66
- SUGAR BEETS—IRRIGATION** see *subdivision under Kazakhstan*
- SUGAR INDUSTRY—BY-PRODUCTS**  
(see also subdivision under Moldavia)  
Experience in the fermentation of the intermediate products of beet-sugar production. A. I. Mikhchenko, I. I. Krashtul, A. I. Skriatynskii. *Spit. prom.* 28 no. 1:14-16 '62
- SUGAR INDUSTRY—INDUSTRIAL CAPACITY** see *subdivision under Kuznetsk*
- SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS** see *subdivision under Zhabinka (Bel. Province)*
- SUGGESTION SYSTEMS**  
Significance of the mass invention and efficiency promotion movement in improving the technique and technology of production. R. M. Petukhov. *Kh. i zap. i del. no. 2*, 95-111 '60
- SUGGESTIVE THERAPEUTICS** see *Therapeutics, Suggestive*
- SUKHUM—GUIDEBOOKS**  
*Roznitsa, G. A., comp.* [Sukhum; a practical guide for tourists.] Sukhumi; prakticheski upravleniye turizma. Sukhumi, Abkhazskaya, 1966. 87 p.
- SULFAMETHAZINE—THERAPEUTIC USE**  
Results of using sulfamethazine for the treatment of meningococcal carriers in foci of infection. I. A. Gendrikov. *Zhur. mikrobiol. i epid. immunit.* 43 no. 11:1364-1369 N '66
- SULFAMIDE**  
Kinetics and mechanism of the reaction of ethylene oxide with sulfamides and phenols. V. F. Shvach, N. N. Lebedev. *Trudy MKIITI* no. 42:177-178 '63
- SULFANILAMIDE**  
Sensitivity of pathogenic aerobic ray fungi to antibiotics and sulfanilamides. I. S. Aganov, T. G. Suvorova. *Antibiotiki* 11 no. 11:1039-1043 N '66
- Some problems in the treatment of diabetes mellitus with sulfanilamide preparations and causes of their inefficiency. A. A. Lobanov, G. V. Bragin. *Probl. endok. i gorm.* 9 no. 1:54-59 Ja-F '63
- SULFATES**  
(see also subdivision under Dnieper-Donets Lowland)  
Study of behavior of indium in solutions containing sulfate ions by means of ion-exchange method. E. P. Tsintsovich, S. G. Stanchova, I. P. Alimov. *Vost. Mosk. un. Ser. 2: Khim.* 17 no. 6:45-48 S-O '62
- SULFONAMIDES—TOXICOLOGY**  
Evaluation of toxicity of sulfonamides BT, M, and C. G. N. Zaeva, V. I. Fodorova, N. I. Feduchkina. *Toks. nov. prom. khim. veshch.* no. 8:70-82 '66



## SULFENYL CHLORIDES

Free radical addition of trichloromethyl sulfenyl chloride to vinylaryl ethers. E. F. Kolmakova and others. Zhur. org. khim. 2 no. 11 2018-2035 N '66

## SULFIDES

Experimental data on conditions for uranium precipitation from hydrothermal solutions by metal disulfides. B. S. Osipov. Atom. energ. 21 no. 6 479-183 D '66

Rate of coprecipitation of cations with sulfides. Report No. 2 Formation of solid solutions. N. A. Rudnev, G. I. Malofeeva. Zhur. anal. khim. 21 no. 10 1161-1164 '66

## SULFONATION

New method for sulfonating aromatic petroleum hydrocarbons. I. U. G. Goshal, E. A. Rukunova, R. A. Semakulko. Izv. AN Turk. SSR, Ser. fiz.-tekhn., Khim. i geol. nauk no. 2 21-32 '61

## SULFONIC ACIDS

Colloidal properties of individual sodium alkylbenzenesulfonates. O. S. Mochalova and others. Khim. i tekhn. topl. i masel. 11 no. 12 47-20 D '66

N<sup>2</sup>-dialkylamides of alkane-sulfonic acids. L. K. Maslil, T. P. Razbegayeva. Zhur. org. khim. 2 no. 11 2011-2017 N '66

## SULFOXIMINE

Effect of oxygen under pressure and methionine sulfoximine on the activity of glutamine synthetase in the rat brain. Z. S. Gershenovitch, A. A. Kichevskaya, L. A. Kolushuk. Biokhimiya 23 no. 2 303-307 M.-Ap '63

## SULFUR

Determining the gaseous products of the reaction of polystyrene with sulfur in the presence of Friedel-Crafts catalysts. A. B. Davankov, E. V. Zambayeva, A. V. Aiferov. Tudy MKHFI no. 12 174-177 '63

Effect of sulfur on the workability, mechanical properties, and wear resistance of austenitic chromium-manganese steel. A. V. Kartyshov. Tudy LVI 11 no. 82 54-59 '63

Electrotransference of sulfur in titanium. I. T. Kononuk, M. M. Pavluchenko. Dokl. AN BSSR 6 no. 6 373-375 Je '62

Interrelation between the sulfur cycle and the production process in bodies of water. I. I. Sorokin. Vest. AN SSSR 36 no. 12 13-15 D '66

Reaction of polystyrene with sulfur in organic solvents in the presence of Friedel-Crafts catalysts. E. V. Zambayeva, A. B. Davankov. Tudy MKHFI no. 12 167-173 '63

## SULFUR—ANALYSIS

Rapid method of determining elementary sulfur content in the solid phase of a flotation pulp from native sulfur ores. V. A. Kriemert, I. A. Zatulmal, M. P. Koldazhnyi. Khim. prom. Ukr. no. 6 55-57 N-D '66

## SULFUR BACTERIA see Bacteria, Sulfur

## SULFUR ISOTOPES—PHYSIOLOGICAL EFFECT

Absorption, distribution and excretion of aminoethylisothuridium in irradiated and nonirradiated organisms. I. S. Belokonski and others. Vop. radiobiol. 4 366-391 '61

## SULFUR MINES AND MINING see subdivision under Soviet Central Asia

## SULFUR OXIDES

Chemical and biological oxidation of sulfur under laboratory conditions. G. I. Kayaiko. Mikr. obologiya 31 no. 2 328-331 M.-Ap '62

## SULFURIC ACID

Reaction of ruthenium compounds with sulfuric acid. S. I. Ginzburg, M. I. Iur'ko, T. A. Fomina. Zhur. neorg. khim. 11 no. 11 2551-2553 N '66

Study of complex formation of beryllium by means of ion exchange. Report No. 1 Behavior of beryllium in solutions of perchloric and sulfuric acids. T. A. Bel'tavskaya, I. P. Kolosova. Vest. Mosk. un. Ser. 2 Khim. 17 no. 5 55-59 S-O '62

## SULFURIC ACID INDUSTRY—COSTS see subdivision under Ukraine

## SULFURIC ACID INDUSTRY—EQUIPMENT AND SUPPLIES

Flowcharts for the regulation of operation of contact plant of sulfuric acid. N. M. Petrov. Khim. prom. 42 no. 12 300-312 D '66

## SULFUROUS ACID

Infrared absorption spectra of thorium disulfide and products of its thermal decomposition. I. U. A. Kharitonov, V. N. Tverdokhlebov, A. K. Molodkin. Zhur. neorg. khim. 11 no. 11 2008-2013 N '66

## SULTANUZDAG—RUBIDIUM

Characteristics of distribution of rubidium in metamorphic and intrusive complexes of Sultanuzdag. S. G. Shavlo, V. I. A. Kazakovich. Uzb. geol. zhur. 10 no. 5 30-39 '66

## SUMMER RESORTS—DESIGN AND CONSTRUCTION see subdivision under Ukraine

## SUMS (MATHEMATICS)

Linear methods of summing Fourier series containing rectangular matrices. Part 2. L. I. Bausov. Izv. vuz. ucheb. zav. mat. no. 6 3-17 '66

## SUN YAT-SEN, 1866-1925

In memory of Sun Yat-sen on the centenary of his birth. L. O. Leshchenko. Ukr. ist. zhur. 20 no. 11 142-145 N '66

Sun Yat-sen in reminiscences and letters. R. V. Vaitikhin. Nar. A. i. Lit. no. 6 39-51 '66

Ten years with Sun-Yat-sen (conclusion). Ma Hsiang. Vop. ist. 41 no. 12 125-138 D '66

## SUN

Effect of cosmic factors on the blood system. N. A. Shults. Probl. gemat. i perel. krovi 8 no. 3 20-26 M '63

Origin of quasi-stationary outflow of gases from active regions of Sun. Part I. E. R. Musiel. Astron. zhur. 43 no. 6 1221-1234 N-D '66

## SUN—CORONA

Coronal condensation temperature. G. M. Nikol'skii. Astron. zhur. 43 no. 6 1143-1147 N-D '66

Dynamics of the rise of a spot's magnetic field in the corona and some resonance characteristics of the coronal active region. V. E. Merkutenko. Astron. zhur. 43 no. 6 1179-1185 N-D '66

Viscosity effects in an expanding solar corona. I. U. B. Ponomarenko. Astron. zhur. 43 no. 6 1186-1193 N-D '66

## SUN—OBSERVATIONS see subdivision under Arctic regions

## SUNFISHES see subdivision under Danube Valley

## SUNFLOWER BREEDING

Breeding sunflower for high oil content. L. A. Zhdanov. Sel'khoz. biol. 1 no. 6 797-803 '66

## SUNFLOWER SEED

Effect of superphosphates and ammonium nitrate on the yield and oil content of sunflower seed in saltized soils. A. I. Asanilov. Khim. v sel'khoz. 1 no. 12 13-11 D '66

## SUNFLOWER SEED OIL

(see also subdivision under Ukraine)

Breeding sunflower for high oil content. L. A. Zhdanov. Sel'khoz. biol. 1 no. 6 797-803 '66

Effect of the cultivation practices on the accumulation of oil in sunflower seeds. D. N. Belevtsev. Masl. zhur. prom. 28 no. 6 8-10 Je '62

## SUNFLOWERS

(see also subdivision under Lugansk Province)

Effect of the cultivation practices on the accumulation of oil in sunflower seeds. D. N. Belevtsev. Masl. zhur. prom. 28 no. 6 8-10 Je '62

## SUNSPOTS

Dynamics of the rise of a spot's magnetic field in the corona and some resonance characteristics of the coronal active region. V. E. Merkutenko. Astron. zhur. 43 no. 6 1179-1185 N-D '66

Radio emission and atmospheric structure above spots. M. A. Livshits, V. N. Obrudko, S. B. Pikelner. Astron. zhur. 43 no. 6 1135-1142 N-D '66

## SUPERCARGERS

Change in control scheme of gas cocks in centrifugal supercharger manifold. V. Te, A. M. Smolnik. Gaz. prom. 11 no. 11 24-25 '66

## SUPERCONDUCTIVITY

Electrodynamics of intermediate state of superconductors. A. F. Andreev. Zhur. eksp. i teor. fiz. 51 no. 5 1510-1521 N '66

Macroscopic quantum phenomena. L. P. Pitaevskii. Usp. fiz. nauk 90 no. 4 623-629 D '66

## SUPERCONDUCTORS

Critical temperature of transition to superconducting state of beta-phase in the system niobium - tin - aluminum - germanium. N. E. Alekseevskii, N. V. Ageev, V. P. Shamrat. Izv. AN SSSR, Neorg. mat. 2 no. 12 2156-2161 O '66

Tunnel effect between superconductors in alternating field. A. I. Larkin, I. U. N. Ovechinnikov. Zhur. eksp. i teor. fiz. 51 no. 5 1535-1543 N '66

## SUPERCONDUCTORS—MAGNETIC PROPERTIES

Studying magnetic characteristics of two-band superconductors in vicinity of upper critical field. V. A. Moskatenko. Zhur. eksp. i teor. fiz. 51 no. 4 1103-1175 O '66

## SUPERFLUIDITY

Macroscopic quantum phenomena. L. P. Pitaevskii. Usp. fiz. nauk 90 no. 4 623-629 D '66

## SUPERNOVAE

Observability of light fronts due to Supernova flares. I. S. Shklovskii. Astron. istr. no. 308 2-3 O '64

## SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

## SUPPLY AND DEMAND

Criticism of the modern bourgeois theory of supply and demand. G. Abramishvili, V. Bul'bat, I. Kautikov. Vop. ekon. no. 12 96-99 I '66

Economic principle of the formation of stocks of marketable consumer goods. V. G. Zayev. Tudy INKH no. 38 10-50 '65

Influence of retail prices on the structure of the population's demand. B. I. Davidovich. Tudy INKH no. 38 17-39 '65

Methods of determining social demand for consumer goods. A. P. Rudakov. Tudy INKH no. 38 5-16 '65

## SUPPURATION

Erythromycin treatment of purulent diseases of the skin and subcutaneous tissue. V. S. Denisenko. Vest. dermat. i ven. 37 no. 3 26-31 M '63

Review of V. I. Struchkov's book "Surgery in suppurative infections." B. M. Khromov. Sov. med. 26 no. 3 154-156 M '63

Use of proteolytic enzymes in surgery on diseases of the lungs and pleura and in the treatment of suppurative wounds. N. S. Pilyuchuk, K. N. Veremeyenko. Khim. i glia 12 no. 11 92-95 N '66

## SURAKHANY OIL FIELD—OIL FIELD BRINES

Dependence of the standing water level on the lithology of the underlying rocks of the Surakhany oil field. R. L. Mustafaeva. Azeb. mft. khoz. 12 no. 3 11-15 M '63

## SURAKHANY OIL FIELD—OIL FIELD FLOODING

Experience of pumping untreated seawater into layers of Surakhany and Kachachuk oil fields. K. A. Karpapetov, V. A. Gilevian, R. I. Medvedskii. Nefteprom. stro. no. 12 11-15 '66

## SURAKHANY OIL FIELD—OIL FIELDS—FIRES AND FIRE PREVENTION

Battle for oil. G. Kiselev. Neftanik 11 no. 11 16-17 N '66

## SURFACE ACTIVE AGENTS

(see also subdivision under Boristav Oil Field)

Alkylbenzenesulfonates of naphthalene acids. P. O. Demchenko, V. I. Slovitskaya. Dop. AN URSR no. 7 901-906 '61

Colloidal-chemical properties of nonaqueous surface-active substances. A. A. Pet'kov, G. N. Poddayashov. Koll. zhur. 28 no. 6 858-865 N-D '66

Colloidal properties of individual sodium alkylbenzenesulfonates. O. S. Mochalova and others. Khim. i tekhn. topl. i masel. 11 no. 12 17-20 D '66

Effect of admixtures of surface-active substances on the forming effectiveness of solutions of pilocarpine, silver iodide, and lead iodide. T. N. Gomonova, N. V. Glikh, P. N. Krasnikov. Tudy IGO no. 18 61-65 '66

Effect of surface-active substances on stability of lyophobic sols. Part 1: Stabilization of arsenic sulfide colloidal solution as depending on the length of nonpolar radical of surface-active agent. M. E. Krasnokutskaya, I. U. M. Glazman. Koll. zhur. 28 no. 6 847-851 N-D '66

Effect of surface-active substances on the structure of paraffinizing layer of lead sulfate. I. G. Lashin'skaya and others. Elektrokhem. 2 no. 11 177-179 N '66

Effect of surface-active substances on the formation of water sol in humid hydrocarbon medium. B. V. Derjagin and others. Dokl. AN SSSR 171 no. 2 370-371 N '66

Possibility of obtaining surfactants from a paraffin filtrate. R. G. Maklira, P. D. Olesin. Nef. i gaz. prom. no. 3 61-62 JI-S '63

Seminar on problems regarding the use of surfactants. Nef. i khoz. 11 no. 8 72 S '63

Using surface-active agents for preventing wax precipitation in tank cars. G. E. Lerke, V. P. Svidlov, U. A. Skovorodnikov. Transp. i khran. nef. i nefteprod. no. 10 14-16 '66

## SURFACE CHEMISTRY

Hydrogen molecule on surface of nonmetallic crystals. M. D. Il'yashuk, V. O. Lavrenko. Ukr. fiz. zhur. 11 no. 11 1246-1258 N '66

Role of surface phenomena in the kinetics of chemical reactions, sintering, and accumulative recrystallization of refractory oxides. A. I. Leonov. Izv. AN SSSR, Neorg. mat. 2 no. 12 2168-2174 D '66

## SURFACE ENERGY

Effect of temperature and composition on density and surface energy of iron-silicon melts. E. S. Levin, P. V. Gelfand, B. A. Baum. Zhur. fiz. khim. 40 no. 11 2708-2712 N '66

## SURFACE HARDENING

Increasing the durability of parts by eliminating residual stresses in burnishing. D. D. Papshov. Vys. i masht. stroit. 10 no. 12 19-21 E '66

## SURFACE TENSION

Surface tension and adsorption in solutions of fatty acids and their esters in liquid-viscous oligomers. V. A. Sazonov, V. M. Zatkovskii, P. P. Pugachevich. Koll. zhur. 28 no. 6 866-870 N-D '66

## SURFACE TENSION (Continued)

Surface tension measurement of solid electrodes as depending on potential. A. A. Gokhshteyn. *Elektrokhimiya* 2 no 11 1318-1326 N '66

Surface tension of fused salts. I. D. Sokolova, N. A. Voskresenskaya. *Usp. khim.* 35 no 7 1082-1203 J1 '66

Surface tension of titanium tetrachloride and vanadium oxytrichloride. P. P. Pugachevich, K. V. Tsel'nikov, I. A. Nisels'yan. *Zh. fiz. khim.* 40 no 11 2997-2998 N '66

## SURFACES

Regular polyhedra on closed surface with Euler characteristic  $\chi = -3$ . A. S. Grib. *Izv. vys. ucheb. zav. mat.* no 6 50-53 '66

Surfaces in  $E_3$  space producing evolute sequences of surfaces. L. N. Krivososov. *Izv. vys. ucheb. zav. mat.* no 6 74-81 '66

Theory of  $X_1$  curvature in  $E_3$  space. K. Sh. Ramazanova. *Izv. vys. ucheb. zav. mat.* no 6 137-143 '66

## SURFACES (TECHNOLOGY)

Practicability of the anode-jet method of treating metal surfaces. S. A. Dymov. *Dokl. AN SSSR* 6 no 6 491-496 Ag '62

## SURGERY

Changes in the glyccorticoid function of the adrenal cortex and electrolyte equilibrium depending on the state of the kidneys during surgical interventions. Z. P. Udina, I. A. Usvayeva, G. S. Samoilova. *Trudy I-go MMH* 43 87-94 '65

Concerning R. Leriche's book "Fundamentals of physiological surgery" (Paris, 1955, Moscow, 1961). A. P. Polopov, T. V. Pravdich-Neminskaya. *Vopr. khir. i onkol.* 8 no 6 82-90 N-D '63

Origin and incidence of diseases calling for surgical assistance. D. K. Sokolov. *Sov. med.* 29 no 2 61-65 D '66

Results of surgical treatment in fractures. V. A. Chernyashkin. *Trudy Inst. im. N. V. Sklif.* 7 297-303 '63

Review of V. I. Stukhovich's book "Surgery in suppurative infections." B. M. Khromov. *Sov. med.* 26 no 2 155-156 Mh '63

Surgical interventions as a reanimation component in severe traumas to the extremities. M. M. Rozhinskiy, V. G. Pitlinga. *Travmatologiya* no 1 121-129 '65

Surgical interventions in hemophilia. G. M. Abdullayev. *Khirurgiya* 42 no 11 103-108 N '66

Use of proteolytic enzymes in surgery on diseases of the lungs and pleura and in the treatment of suppurative wounds. N. S. Pilipchuk, K. N. Veremeenko. *Khirurgiya* 42 no 11 92-95 N '66

## SURGERY—COMPLICATIONS AND SEQUELAE

Complications related to the use of a permanent catheter in operations on cancer of the upper portion of the stomach and esophagus. L. G. Kharchonov, A. V. Bogdanov, A. Zh. Vemlan. *Khirurgiya* 42 no 11 36-39 N '66

Diagnosis and treatment of tumors of the gastric stump following resection of the stomach. I. V. Petrov. *Vop. onkol.* 12 no 12 20-26 '66

Diseases of the stomach following gastrectomy and their treatment. I. K. Pipia, R. N. Kumsishevili. *Trudy inst. im. N. V. Sklif.* 7 107-112 '63

Effect of anesthesia and surgical trauma on the adrenocortical function: a review of literature. V. E. Volkov. *Dokl. Khir. i onkol.* 8 no 6 77-80 N-D '63

Postoperative pseudotumors of the stomach. P. V. Vlasov. *Vest. rent. i rad.* 37 no 3 31-31 M-Je '62

Prevention of suppurative complications in surgical treatment of cancer of the rectum. E. S. Smirnova, V. A. Kochetkova, I. U. L. Rozanov. *Khirurgiya* 42 no 11 73-76 N '66

Relaparotomy following resection of the stomach for peptic ulcer. N. S. Uteshev. *Trudy inst. im. N. V. Sklif.* 7 97-100 '63

Repeated resections of the lung. A. P. Kolesov, G. A. Botkov, A. V. Gidnev. *Khirurgiya* 42 no 11 76-80

Mikhailov, S. R. [Selected chapters] *Izbrannye glavy. Pod red. K. S. Mikhailovskoy. [Leningrad] Meditsina, 1966, 389 p.* (DNLM)

Resection of the carina of the tracheal bifurcation and medial walls of both main bronchi with simultaneous pneumonectomy for malignant adenoma. N. D. Gatin, I. I. Maketov. *Khirurgiya* 42 no 11 81-81 N '66

Surgical treatment of coronary insufficiency. V. I. Kozanski. *Trudy Inst. im. N. V. Sklif.* 7 195-198 '63

Use of corticosteroids in surgery. V. A. Kovanov. *Probl. endok. i gonim.* 9 no 1 74-82 Ja-F '63

## SURGERY, OPERATIVE—STUDY AND TEACHING

Present stage of the development of operative surgery: on the centennial of departments of operative surgery. A. M. Gorchich, B. V. Ognov, G. E. Ostrovichkov. *Khirurgiya* 42 no 11 137-140 N '66

## SURGERY, PLASTIC

Experimental alopecia of the renal artery. A. V. Nikolaev, A. Z. Tishin. *Trudy I-go MMH* 49 129-135 '66

Kapukhin, V. T. [Restoration of the urethra by means of homotransplant] *Vostanovleniye urety s pomoshch'yu gomotransplantata, Moskva, Meditsina, 1966, 151 p.* (DNLM)

Mikhailov, S. R. [Selected chapters] *Izbrannye glavy. Pod red. K. S. Mikhailovskoy. [Leningrad] Meditsina, 1966, 389 p.* (DNLM)

Use of collagen in plastic surgery. V. V. Kovanov and others. *Trudy I-go MMH* 49 253-255 '66

## SURGICAL AND TOPOGRAPHICAL ANATOMY see Anatomy, Surgical and Topographical

## SURGICAL DRAINAGE see Drainage, Surgical

## SURGICAL OPERATIONS see Operations, Surgical

## SURKHAN-DARYA PROVINCE—PETROGLYPHS

Petroglyphs of the Zai-nut-kamai Cave in the Zai-nut-say Gorge. A. A. Formozov. *Sov. arkheol.* 10 no 1 11-26 '66

## SURVEYING

Accuracy of the method of geodetic intersections. A. I. Durnev. *Izv. vys. ucheb. zav. geod. i aerof.* no 1 11-25 '63

Accurate superposition of extended objects. G. V. Durelo. *Izv. vys. ucheb. zav. geod. i aerof.* no 5 120-123 '62

Adjusting angles in polygonal traverses by the method of equal corrections. V. V. Kotov. *Izv. vys. ucheb. zav. geod. i aerof.* no 1 37-40 '63

Calculation method and the accuracy of geodetic work in building bridges. A. F. Luts. *Izv. vys. ucheb. zav. geod. i aerof.* no 3 3-9 '62

Concerning A. V. Butkevich's article "Balancing linear rectangles." K. N. Tepugov. *Izv. vys. ucheb. zav. geod. i aerof.* no 3 130-141 '62

Concerning the article of T. S. Danilov. *Izv. vys. ucheb. zav. geod. i aerof.* no 3 143-144 '62

Khrenov, L. S., G. E. Mopul'shvi, and L. P. Nedeshova. [Practice training in surveying] *Uchebnaia praktika po geodezii. Pod obshchey red. L. S. Khrenova, Moskva, Lesnaya promyshlennost', 1960, 223 p.*

Travel nets and the effect of the errors in them. F. I. Pavlov. *Izv. vys. ucheb. zav. geod. i aerof.* no 1 23-30 '63

## SURVEYING—INSTRUMENTS

Present-day period of the development of geodetic instrument design. S. V. Eliseev. *Izv. vys. ucheb. zav. geod. i aerof.* no 1 117-126 '63

## SUSLKS see Ground squirrels

## SUSLOV, DMITRII STEPANOVICH

Dmitrii Suslov's landscapes. A. Alakhtverdian, Gr. Anisimov. *Iakustvo* 29 no 10 34-38 '66

## SUSPENSION ROOFS see Roofs, Suspension

## SUSPENSIONS (CHEMISTRY)

Interaction of polyacrylamide with suspensions. O. D. Kurylenko, L. T. Priyloko, R. V. Mykhailuk. *Dop. AN URSR* no 11 1482-1485 '62

Use of bentonite gel for the stabilization of suspensions. D. P. Salo, Z. T. Chigirina. *Apt. delo* 12 no 1 14-20 Ja-F '63

## SUTURES

Comparative evaluation of late results of suturing and resection in perforating gastric and duodenal ulcers. E. L. Grinshteyn. *Trudy inst. im. N. V. Sklif.* 7 50-61 '63

Immediate and late results of suturing perforating gastroduodenal ulcers. Z. I. Besfamil'naya. *Trudy inst. im. N. V. Sklif.* 7 95-97 '63

Use of UKL-80 apparatus in resection of stomach. O. P. Tarasenko. *Klin. onkol.* no 1 92-94 '65

## SVERDLOVSK—CONSTRUCTION WORKERS

There is a key to each heart. I. Barkov. *Agitator* no 10 13-11 S '62

## SVERDLOVSK—MACHINERY INDUSTRY WORKERS

Innovators make a contribution to the seven-year plan. A. Troegubov. *Sov. radio i tel.* 8 no 3 1-2 '59

## SVERDLOVSK—TELEVISION AND YOUTH

For the brigades of communist labor. A. Alekseev. *Sov. radio i tel.* 8 no 3 2 '59

## SVERDLOVSK—TELEVISION IN PROPAGANDA

Innovators make a contribution to the seven-year plan. A. Troegubov. *Sov. radio i tel.* 8 no 3 1-2 '59

## SVERDLOVSK PROVINCE—FARM BUILDINGS

Construction of the "Trilak" Experimental Model Farm. N. I. Iosadov. *Sti. i stroit.* 16 no 11 6-8 N '61

## SVERDLOVSK PROVINCE—LIBRARIES

On the right road. E. Grigor'eva. *Biblioteka* 11 no 1 16-20 Ja '67

## SVIATOPOLK—LEGENDS

The death of Sviatopolk in legend and iconography. M. V. Alpatov. *Trudy ODR.* 22 18-23 '66

## SVICHIA VALLEY—GEOMORPHOLOGY

Geomorphology of the Svichia and Mitrunka Valleys within the outer anticlinal zone in the Carpathians. M. M. Bobrovnikov. *Dop. AN URSR* no 11 1492-1494 '62

## SWALLOW see subdivision under Siberia, Eastern

## SWAMPS

(see also subdivision under Dalester Valley)

Chemical composition of swamp plants. P. I. Shekhter, S. N. Timonov. *Vest. Mosk. on. Ser. 6. Biol.* 21 no 1 51-53 J1-Ag '66

## SWEDEN—COMMERCE—RUSSIA

Establishment of direct commercial contacts between Russia and Sweden after the Stolbovo Treaty of 1617. I. P. Shalkovskiy. *Sred. veka* no 20 130-158 '66

## SWEDISH NEWSPAPERS

The Swedish press. *Mezhdunar. zhurn.* 11 no 1 151-155 '67

## SWINE

(see also subdivision under Rostov Province)

Nigul, L. K. [Maintenance of meat-type swine] *Soderzhanie kholmnykh sviney, Tallin, Iluho maachino-tehnik, Informatsii M-va sel. khoz. Estoniskoi SSSR, 1960, 61 p.* (DNAL)

Producing and raising piglets free from pathogenic infectious diseases. V. I. Popov, I. A. Pavlovich, R. M. Sakhayeva. *Veterinariia* 43 no 11 95-98 N '66

## SWINE—DISEASES AND PESTS

(see also subdivision under Siberia)

Differential diagnosis of leptospirosis in swine. V. I. Popov. *Veterinariia* 43 no 12 25-27 D '66

Immunobiological reactivity and postvaccinal immunity in suckling pigs. A. I. Karetin. *Veterinariia* 43 no 12 32-34 D '66

Simultaneous immunization of swine against cholera, erysipelas, and leptospirosis. V. E. Petrov, N. S. Bezborodkin. *Veterinariia* 43 no 11 35-37 N '66

## SWINE—FEEDING AND FEEDS

(see also subdivision under Omsk Province)

Effect of the scheme of using feed terramycin and its activity in swine raising. N. I. Ovsyanov. *Shor. nauch. rab. SibNIVI* no 11 220-233 '62

For a more efficient utilization of liquid biomyces in the fattening of hogs with stillage. M. F. Gafaridunov. *Spi. i prom.* 30 no 5 25-26 '62

Problems facing a water hyacinth. E. V. Makovskii. *Veterinariia* 43 no 12 9-10 D '66

## SWINE BREEDING

(see also subdivision under Estonia)

Effect of maternal and paternal organisms on the nature of inherited characteristics in reciprocal crossing of pigs. M. M. Aslanian. *Trudy inst. gen.* no 26 141-147 '62

## SWINE HOUSES AND EQUIPMENT

(see also subdivision under Turkmenistan; Vavozh District)

Elements for the calculation of piglet loss for the conveyance of liquid feeds on farms. S. V. Mel'nikov, R. I. Vagin. *Zap. LSKHI* 00 282-285 '65

## SWINE PLAGUE—PREVENTIVE INOCULATION

Importance of short-interval vaccination against hog cholera, paratyphoid fever, and swine plague for the preservation of swine on farms with hog cholera infection and hazard. I. V. Okunov, G. F. Epifanov, G. I. Panin. *Shor. nauch. rab. SibNIVI* no 11 125-133 '63



## TALES

- Short version of the tale about Boyan Morozov's wife. A. I. Mazunin. Trudy ODRL 18 311-350 '62.
- "Traditional stable world combinations in 'Tales of the passing years.'" O. V. Tvorogov. Trudy ODRL 18 277-281 '62.
- Unknown copy of the tale "On the V'yatka country." 1725. N. A. Malovanov. Trudy ODRL 18 370-373 '62.

## TALES, TURKISH

- Dmitriyev, N. K., ed. [Turkish folk tales. Translated from Turkish] Turkiye halk hikayeleri. 2. izd. Moskva, Nauka, 1967. 478 p. (Skazki i mify narodov Vostoka).

## TALIN DISTRICT—WHEAT—FERTILIZERS AND MANURES

- Results of some practices in using fertilizers for winter and spring wheats in Talin District of Armenia. Sov. Lab. agrokhim. AN Arm. SSR no. 4:87-89 '61.

## TALLINN—ARCHITECTURE—CONSERVATION AND RESTORATION

- Rebuilding commercial network in medieval part of Tallinn. O. Bruns. Arkh. SSSR no. 12 38-41 '66.

## TALLINN—CITY PLANNING

- Rebuilding commercial network in medieval part of Tallinn. O. Bruns. Arkh. SSSR no. 12 38-41 '66.

## TALLINN—TELEVISION BROADCASTING OF NEWS

- Today's camera. Kh. Lot. Sov. radio i tel. 8 no. 3:5-6 '60.

## TALLINN—TELEVISION PROGRAMS

- In the Tallinn television studio. Sov. radio i tel. 8 no. 3:7 '59.

## TALLINN—WALLS

- Zobel, Rein. [Tallinn town walls] Tallinna linnamuur. Tallinn, Eesti Raamat, 1966. 155 p. illus. [In Estonian].

## TAMAN PENINSULA—ANTIQUITIES

- An ancient site near the village of Illichevka. N. I. Sokol'skiy. Sov. arkheol. 10 no. 4:125-140 '66.

## TAMBOV GOVERNMENT—REVOLUTION, 1917-1921

- How the masses of soldiers struggled for the Soviet regime in the Tambov Government. Lev Prokhorov. Nauch. rab. stud. Tambov. gos. ped. inst. no. 1:12-30 '63.

## TAMBOV PROVINCE—ACQUISITIONS (LIBRARIES)

- How we acquire the books and use our book collections. T. Breeva. Bibliotekar' 44 no. 1:20-22 Ja '67.

## TAMBOV PROVINCE—HEROES

- The heroes of the Soviet Union from Tambov Province. Anatoliy Zharov and others. Nauch. rab. stud. Tambov. gos. ped. inst. no. 1:3-11 '63.

## TAMBOV PROVINCE—NAMES, GEOGRAPHICAL

- The names of populated places in the Gavrilovo, Grazhdanovka, Kirsanov, and Umet Districts in Tambov Province, within the boundaries of 1959. Ruslan Gvildadov. Nauch. rab. stud. Tambov. gos. ped. inst. no. 1:48-55 '63.

## TAMBOV PROVINCE—ROTATION OF CROPS

- Crop rotations with grasses seeded every second year. D. Nosov. Zemledelie 28 no. 10:15-16 O '66.

## TAMBOV PROVINCE—RUSSIAN LANGUAGE—DIALECTS

- The dialect of the village of Gromushka in the Zhardevka District of Tambov Province. Vadim Rykovskiy. Nauch. rab. stud. Tambov. gos. ped. inst. no. 1:56-69 '63.

## TAMIL LANGUAGE—GRAMMAR

- Andronov, M. S. [Grammar of the Tamil language] Grammatika tamil'skogo yazyka. Moskva, Nauka, 1966. 269 p.

## TANGANYIKA—PRIMATES

- Discovery of the bone remains of a new representative of the Australopithecinae in eastern Africa. V. P. Ilyukhin. Vop. antropol. no. 4:151-154 '60.

## TANGERINE see subdivision under Caucasus; Georgia

## TANK CARS

- Using surface-active agents for preventing wax precipitation in tank cars. G. E. Lerke, V. P. Sviridov, R. A. Skovorodnikov. Transp. i khren. nefti i nefteprod. no. 10:14-16 '66.

## TANK CARS—WASHING

- Mechanization of outer washing of tank cars. K. V. Kazimirov. Zhel. dor. transp. 48 no. 11:46-47 N '66.

## TANK VESSELS

- Vacuum apparatus for the unloading of cargo residues. A. Borovskiy, D. Shmelev. Rech. transp. 25 no. 12:24-25 '66.

## TANKS—DESIGN AND CONSTRUCTION

- Analyzing the efficiency of various methods for assembling spherical tanks. M. L. Fretin. Mont. i spets. rab. v stroi. 25 no. 8:18-21 Ag '63.

## TANKS—FOUNDATIONS

- Determination of volume of earthwork in construction of foundations for vertical cylindrical steel tanks. Z. O. Landers. Transp. i khren. nefti i nefteprod. no. 10:12-14 '66.

## TANKS (MILITARY SCIENCE)

- Our country's shield of steel. I. Zelentsov. Igizator no. 16:21-22 Ag '62.

## TANNING

- Levenko, P. I. [Increasing the waterproofness and wear resistance of stiff leathers] Povysheniye vodostoiimosti i iznoshostkosti zhestykh kozh, uchebnoe posobie, Moskva, Legkaya industriya, 1965. 25 p. [MICROFILM]

- Levenko, P. I. [Modern synthetic tanning agents and their use in the leather industry] Sovremennye sinteticheskie dubiteli i opyt ikh ispol'zovaniya v kozhvennoy promyshlennosti, uchebnoe posobie. Moskva, Legkaya industriya, 1965. 30 p. [MICROFILM]

## TANNING MATERIALS

- Interaction of tanning polynuclear complexes of chromium (III) with the powder of polyamide AK 50/50. N. S. Utkina, N. N. Pavlov. Izv. vuz. ucheb. zav. i tekhn. leg. prom. no. 5:37-40 '66.

## TANNINS

- Bigflavonoid effect of tanning substances of oakwood. I. A. Egorov, I. M. Skurikhin, N. N. Erofeeva. Prikl. khim. i mikrobiol. 2 no. 6:591-593 N-D '66.
- Differentiation of flavone glycosides and tannic substances in Tanacetum pseudochilleana. L. T. Shipilovskaya, R. L. Khazanovich. Apt. delo 12 no. 1:31-33 Ja-F '63.

## TANNU-TUVA see Tuva A. S. S. R.

## TANSY

- Differentiation of flavone glycosides and tannic substances in Tanacetum pseudochilleana. L. T. Shipilovskaya, R. L. Khazanovich. Apt. delo 12 no. 1:31-33 Ja-F '63.

## TANTALUM see subdivision under Niuratau

## TANTALUM COMPOUNDS

- Synthesis and some properties of tantalum nitrile chloride, Ta<sub>2</sub>N<sub>2</sub>Cl<sub>4</sub> and tantalum oxynitride, TaON. Yu. A. Bugalov and others. Izv. AN SSSR. Neorg. mat. 2 no. 12:210-2124 D '66.

- Titrimetric determination of tantalum as a phosphotantalum peroxide complex. A. K. Bakko, I. G. Lukianets. Zhur. anal. khim. 21 no. 12:1430-1435 '66.

## TANTALUM COMPOUNDS—SPECTRA

- Line of X-ray fluorescence spectrum of tantalum in metal and some of its refractory compounds. I. E. O. Zhuravskaya, V. V. Hovskiy. Dop. AN URSR no. 11:123-131 '66.

## TANZANIA—POLITICS

- The Arusha Declaration. A. Dolgov. Nov. vrem. 25 no. 8:21-25 F '67.

## TAPESTRY see subdivision under Baltic States

## TAPEWORMS

- (see also subdivision under Chukchi Peninsula)
- Case of discovery of an egg of a dwarf tapeworm with two oncospheres. N. P. Rodionova, A. A. Namitkov. Med. paraz. i paraz. bol. 31 no. 5:61, S-O '62.

## TAPKJANAKOV, GRIGORIY MATVEEVICH, 1904-1961

- In memory of G. M. Tapkjanakov. Uch. zap. Tav. nauch.-issl. inst. iaz. i lit. i ist. no. 20:305-306 '63.

## TAREEV, BORIS MIKHAILOVICH, 1906-

- Professor B. M. Tareev; on his 60th birthday. N. V. Aleksandrov and others. Elek. ikh. i svet. no. 12:81 D '66.

## TARKHANKUT PENINSULA—CHLORITES

- Sedimentary magnesium chlorite from Sarmatian of Tarkhankut Peninsula (Crimea). L. S. Belokrysa, V. N. Makarov. Lit. i pol. iskop. no. 6:101-108 N-D '66.

## TARTARIC ACID

- Initial stage of bulk crystallization in supersaturated solution of tartaric acid. Part I: Kinetics of crystallization in latent period. R. A. Lanchuk, Kol. zhur. 20 no. 6:910-914 N-D '66.

## TASHKENT—ARCHITECTURE AND CLIMATE

- Practice of building microdistricts in Tashkent. A. Esenov, A. Apayim. Arkh. SSSR no. 12:1-6 '66.

## TASHKENT—CABLE INDUSTRY—MANAGEMENT

- Forms of the dissemination of progressive practice. B. M. Fofanov. Uch. zap. Kaf. sov. ekon. Vys. part, shkoly no. 3:97-101 '64.

## TASHKENT—CITY PLANNING

- "Moscow Microdistrict" in Chirchik. I. Karnaukhov. Arkh. SSSR no. 12:7-8 '66.

- Problems of rebuilding Tashkent. Arkh. SSSR no. 12:1-3 '66.

## TASHKENT—COMMUNIST PARTY OF THE SOVIET UNION

- Communists of Tashkent. Georgiy Vorobiev. Part. zhizn' no. 1:53-60 Ja '67.

## TASHKENT—EXCAVATING MACHINERY

- Thermally treated gray cast iron as a substitute for bronze. V. D. Avagimov, I. M. Lomonosov. Stroi. i dor. mash. 8 no. 6:17 Je '61.

## TASHKENT—INDUSTRIAL SAFETY—STUDY AND TEACHING

- Training of safety engineers. V. Ishimbaev, M. Kevakchuk. Okh. truda i sans. stroit. 9 no. 12:15 D '66.

## TASHKENT PROVINCE—ABORTION IN ANIMALS

- Abortions of paratyphoid ulcers in a huffer head. N. O. Belousov. Veterinarn. 15 no. 12:31-32 D '66.

## TATAR A. S. S. R.—AMPHIBOLES

- Amphiboles and amphibolites of the crystalline basement of Tataria. B. G. Iakovlev. Dokl. AN SSSR 171 no. 5:1171-1174 D '66.

## TATAR A. S. S. R.—AMPHIBOLITE

- Amphiboles and amphibolites of the crystalline basement of Tataria. B. G. Iakovlev. Dokl. AN SSSR 171 no. 5:1171-1174 D '66.

## TATAR A. S. S. R.—COMMUNICATION AND TRAFFIC—ACCOUNTING

- Centralization of accounting in communications enterprises. P. Slobozhanukh. Bukh. uch. no. 1:15-17 N '66.

## TATAR A. S. S. R.—CONSTRUCTION INDUSTRY

- Before carrying out great new undertakings. V. Shtachenko. Sel. stroi. 16 no. 11:10-12 N '61.

## TATAR A. S. S. R.—EDUCATION

- When no one is indifferent. M. Makhmutov. Shkola i shkola 21 no. 11:32-33 N '66.

## TATAR A. S. S. R.—FINANCE

- Economic work in the financial organs of Tataria. K. Alupov. Fin. SSSR 40 no. 11:69-72 N '66.

## TATAR A. S. S. R.—FUMIGATION

- Fumigation unit. P. Pivovarov. Zashch. rast. 11 no. 12:48-19 '66.

## TATAR A. S. S. R.—GEOLOGY, STRATIGRAPHIC

- Types of Lower Carboniferous coals sections developed in Tatar A. S. S. R. A. K. Shul'nova, A. N. Zhetkov, E. A. Bludova. Dokl. AN SSSR 171 no. 2:145-148 N '66.

## TATAR A. S. S. R.—PETROLEUM GEOLOGY

- New data on oil potential of Devonian terrigenous deposits in northern dome of Tatar A. S. S. R. D. Volkovich, A. I. Aliev, G. F. Busei. Geol. nefti i gaza 10 no. 11:21-22 N '66.

- Oil potential of carbonaceous deposits of Carboniferous system in southern dome of Tatar A. S. S. R. N. Sh. Khudolnov. Geol. nefti i gaza 10 no. 11:22-26 N '66.

## TATAR A. S. S. R.—PETROLEUM PRODUCTION

- Competition of petroleum workers of Tatar A. S. S. R. is expanding. A. Malakhov. Neftianik 11 no. 11:3-11 '66.

## TATAR A. S. S. R.—PUBLIC ADMINISTRATION

- Burganova, F., and R. Gataullin. [On the principles of control in action, sketch of the history of popular control in the Tatar Republic] Leningo. gos. printsipy kontrolya v delateli. ocherk po istorii narodnogo kontrolya v Tatarii. Kazan', Tatarskoe kul'turnoe izd-vo, 1960. 131 p. (MH-L)

## TATAR A. S. S. R.—RECLAMATION OF LAND

- Specialists in reclamation of land are realizing the decisions of the Plenum held in May 1966. Part. zhizn' no. 1:49 Ja '67.

## TATAR A. S. S. R.—SOCIALIST COMPETITION

- Competition of petroleum workers of Tatar A. S. S. R. is expanding. A. Malakhov. Neftianik 11 no. 11:3-11 '66.

## TATARINOV, VLADIMIR VASIL'EVICH, 1878-1941

- V. V. Tatarinov; obituary. Radiotekhn. i elektron. 11 no. 11:2102-2103 N '66.

## TAUTOMERISM

- Calculations based on the MO LCAO method and acidity of diketone and enol forms of various β-dicarbonyl compounds. E. I. Gien, G. I. Vann, Zhur. org. khim. 2 no. 11:1906-1911 N '66.

- TAXIL, LEO, pseud., see Jogand-Pagos, Gabriel Antoine, 1854-1907

## TAYMYR NATIONAL AREA—COLLECTIVE FARMS—MANAGEMENT

- They are waiting in Taymyr. . . . G. Shcheglov. Sov. profsoyuzy 25 no. 24:13 D '66.

**TAYMYR NATIONAL AREA—TRADE UNIONS**  
They are waiting in Taymyr... G Shcheglov, Sov.  
profsoyuz 22 no.2113 D '66

#### TAYMYR PENINSULA—BIRDS

Birds of western Taymyr Peninsula. A. V. Korchun  
Trudy Zool inst 39:185-312 '66

#### TAYMYR PENINSULA—GEOLOGY, STRUCTURAL

Experience in using quantitative characteristics in tectonics  
Iu. E. Pogrebetskii, Zap LGI 50 no.2:32-38 '66

#### TAZ PENINSULA—MOLLUSKS

Some data on mollusks of Yamal and Taz Peninsulas,  
I. M. Khokhlov, Trudy Inst. biol. URAN SSSR no. 49  
65-66 '66

#### TIBETI see TIBET

#### TEA

(see also subdivision under: Lenkoran Lowland)

Study of essential oil during the production and storage of  
black tea V. T. Goglia, Biokhimiia 28 no.2:308-311  
Mikrop '63

**TEA—COSTS** see subdivision under: Makharadze  
District

#### TEA—DISEASES AND PESTS

Home land of Parameliotus theae Kusan, E. M. Stepanov,  
Subtrop. kult. no.3:160 '66.

#### TEA—FERTILIZERS AND MANURES

(see also subdivision under: Georgia)

Development of the root system of tea plants as related to  
fertilizers, M. L. Brilava, Subtrop. kult. no.3:13-17 '66  
Fertilizers for tea in various tea growing countries,  
Subtrop. kult. no.3:157-160 '66

#### TEA—HARVESTING

Effect of mechanized plucking of tea leaves on the vital  
processes of a tea plant, A. D. Mikheev, Trudy  
GRUZHIMFSKIIA 8 no.2:177-193 '62.

**TEA—VARIETIES** see subdivision under: Georgia

#### TEA MACHINERY

Economic effectiveness of a cleaning and grading machine  
for green tea leaves, O. D. Popkhadze, Trudy  
GRUZHIMFSKIIA 8 no.2:194-204 '62.

Effect of mechanized plucking of tea leaves on the vital  
processes of a tea plant, A. D. Mikheev, Trudy  
GRUZHIMFSKIIA 8 no.2:177-193 '62

Machine for grading mechanically plucked tea leaves,  
N. L. Kibakulov, Subtrop. kult. no.3:35-42 '66

Some problems of the dynamical calculation of the pro-  
cess of the bending and in curling of tea shoots on two  
supports, L. M. Kaidanov, Trudy GRUZHIMFSKIIA  
8 no.2:205-210 '62

#### TEACHERS

A kind mind and a wise heart, S. Shipovskii, Sem'ia i  
shkola 21 no.12:33-34 D '66

Seeing the past year, I. Gogoleva, Sem'ia i shkola  
21 no.12:1 D '66.

A teacher from Lyubertsk, A. Belov, Sem'ia i shkola  
21 no.12:28-29 N '66.

The teacher is the central figure in the educational pro-  
cess, Vech. sred. shkola 9 no.6:3-5 N-D '66.

Their minds and hearts personified, Ing. Blinkina,  
Vostre knig 6 no.12:6-7 D '66

Through the decades, N. V. Bogomolova, Vech. sred.  
shkola 9 no.6:6-9 N-D '66.

#### TEACHERS, TRAINING OF

(see also subdivision under: Chernigov; Lithuania;  
Odessa; Tula; Uzbekistan)

Let us intensify study the theory of education, A. Z.  
Nasyrov, Vest. vys. shkoly 21 no.12:14-17 D '66.

Practical experience in educational work, M. Chernova,  
Nar. obr. no.12:20-22 D '66

Preparing the future teacher for the work with senior  
students, L. Sergeeva, Nar. obr. no.12:113-115 D  
'66.

Solution of problems as an educational method, F. F.  
Ragibin, Vest. vys. shkoly 24 no.12:17-19 D '66.

Urgent problems in the training of primary school teach-  
ers, A. A. Liubinskaya, Sov. pedagog. 30 no.8:81-88  
Ag '66.

#### TEACHING

Afterword to "An interview with a young school principal,"  
Nar. obr. no.12:28-34 D '66

The attitude of a teacher toward the children and the  
development of their morality, O. S. Bogdan, V. I.  
Petrova, Sov. pedagog. 30 no.12:34-42 D '66.

Discussions about love for children, Nar. obr. no.12:  
Insert: 1-15 D '66.

Interview with a young school principal (conclusion),  
B. Sukhomlinskii, Nar. obr. no.12:23-29 D '66

Main trends in research on didactics, M. N. Skatkin,  
Sov. pedagog. 30 no.8:21-34 Ag '66.

Some problems in the scientific organization of the  
teachers' work, N. V. Cherpinskii, Sov. pedagog. 30  
no.12:78-88 D '66.

#### TADERA PRESERVE

Kalmykov, G. T., and V. K. Filipenko, [The transformed  
land, sketches on the Khachay-Cherkess Autonomous  
Province] Probi azhennaya zemlia, cherkhi o Kal-  
chayev-Cherkessii, Cherkessk, Stavropol'skoe knizhnoe  
izd-vo, 1966. 36 p.

**TECHNICAL ASSISTANCE, RUSSIAN** see subdivision  
under: Cambodia, Guinea, Somalia

**TECHNICAL CHEMISTRY** see Chemistry, Technical

#### TECHNICAL EDUCATION

(see also subdivision under: Cambodia, Leningrad  
Province)

It should help their studies, B. I. Kissin, N. N. Teplov-  
skii, Vest. vys. shkoly 21 no.12:29-32 D '66.

Let us develop the cooperation of institutions of higher  
education with industry, I. A. Gribanov, L. S.  
Gileman, Vest. vys. shkoly 21 no.12:3-6 D '66.

Reorganization of the secondary and higher schools of  
technical education and increased attention to the train-  
ing of technicians and engineers during the first five-  
year plan, L. I. Brodskii, Trudy IPI no.261:49-61 '66

#### TECHNICAL SOCIETIES

Anniversary of the scientific technological societies  
S. P. Loginov, Sudostroenie 56 no.11:79-81 '66

Centennial of scientific and technical societies, N. V.  
Iakusheva, I. L. Cherniak, Gaz. prom. 11 no.11:51-52  
'66.

Centennial of scientific research societies in the  
U.S.S.R. A. Borov and others, Mekh. relez. prom.  
32 no.11:8-11 N '66

Centennial of the scientific and technological societies  
of the U.S.S.R., Za tekhn. prog. 6 no.12:1-3 D '66

For Russia, A. Cherniak, V. mire knig 6 no.12:12-13  
D '66

100th anniversary of the scientific technological soci-  
eties, N. V. Iakusheva, I. L. Cherniak, Khim. i tekhn.  
1 masel, 11 no.11:5-8 N '66

A road a hundred years long, I. I. Fedotov, Prom.  
Bud. 9 no.12:52-54 D '66

Science, community and production, V. T. Fedotov,  
Avi. dok. 29 no.11:4-5 N '66

#### TECHNOLOGICAL INNOVATIONS

(see also subdivision under: Armenia; Azerbaijan;  
Leningrad; Leningrad Economic Region; Lvov  
Economic Region; Moscow Economic Region; White  
Russia)

Advertising board, Izobr. i rats. no.12:26-27 '66.

At the Exhibition of the Achievements of the National  
Economy, M. A. Sivorta, Vest. mashinosti, 46  
no.12:78 D '66.

Conceived-accepted, Izobr. i rats. no.12:7 '66.

Exchange of experience, Avi. transp. 41 no.12:50-51  
D '66.

In your lawyer's office, A. Kissin, Izobr. i rats. no.12:  
37-38 '66.

Introduced in the national economy all that is advanced and  
progressive at the Exhibition of Achievements of the  
National Economy of the U.S.S.R., Inform. biul. VDNKH  
no.01-2 S '62

Learn to find solutions, L. Teplov, Izobr. i rats.  
no.12:17-21 '66.

Methods for determining the economic efficiency of  
capital investments and new equipment, Sbor. nauch.  
inform. Nauch. sov. po eff. otn. fond. kap. vlozh. i nov. tekhn.  
AN SSSR no.2:144-159 '62.

New developments in science and technology, Prom.  
Aim. 9 no.10:70-80 '66

Notebook of the technologist of "Izobitstat" i. natsional-  
izator, Izobr. i rats. no.12:24-25 '66.

Novgorodskii, Iu. F., [Technological progress and the  
labor supply] Tekhnicheski progress i rabochie kadry,  
Moskva, Znaniye, 1967. 31 p. (Novoe v zhizni, nauka,  
tekhnika, III Seriya; Ekonomika, no.2)

Planning the efficiency of the introduction of inventions  
and innovations, A. G. Banistov, F. A. Ptashin, Vop.  
izobr. no.8:3-6 Ag '66.

Priority of an innovation suggestion, I. A. D. Polinn,  
Vop. izobr. no.8:34 Ag '66.

Readers' letters, Izobr. i rats. no.12:6 '66.

Significance of the mass invention and efficiency promotion  
movement in improving the technique and technology of  
production, R. M. Pershanov, Uchi. zap. LGU no.294:  
95-114 '60.

Study patent documentation and speed up technological  
progress, Kh. Askani, Avi. transp. 41 no.7:41-45  
D '63.

Technical information, Prom. Bud. 9 no.12:63 D '66.

Uniform state policy in the field of technological progress,  
S. Khelman, Kommunist 43 no.2:45-54 F '67.

Use in enterprises, Otkr. truda i sots. strakh. 6 no.12:  
10-19 D '66.

Work of the Scientific Council on the Efficiency of Cap-  
ital Investments in Fixed Assets and New Equipment in  
1961, Sbor. nauch. inform. Nauch. sov. po eff. otn. fond.  
kap. vlozh. i nov. tekhn. AN SSSR no.2:118-128 '62

The year 1966, A. Umanakii, Izobr. i rats. no.12:1-  
4 '66.

#### TECHNOLOGISTS

Ideological and political training of the technicians and  
engineers educated in pre-revolutionary schools during  
the first five-year plan, L. I. Brodskii, Trudy IPI  
no.261:65-76 '66.

#### TECHNOLOGISTS, ARMENIAN

Attaching the old-time specialists in technology of the  
building of socialism in Soviet Armenia, A. K. Grigor'yan,  
Vost. obshtestv. nauk AN Arm. SSR no.5:28-  
41 Ag '66

**TECHNOLOGISTS, WEST EUROPEAN** see subdivision under:  
United States

#### TECHNOLOGY

(see also subdivision under: Europe, Eastern, Leningrad)

Dolgoplov, N. N. (Modern physics is for builders)

Sovremennaya fizika i stroitel'stvo, Moskva, Stroifzdat,  
1966. 217 p. (Nauchno-popularnaya seriya.)

**TECHNOLOGY—BIBLIOGRAPHY** see Bibliography—  
Technology

#### TECHNOLOGY—INFORMATION SERVICES

(see also subdivision under: Poland)

Activities in scientific and technical information, Inform.  
biul. VDNKH no.9:5-9 S '62

Conference on the problems of scientific and technologi-  
cal information, Z. I. Sokolova, Plani. massy no.9:74-  
75 '62

#### U

sti tekhnicheskoi informatsii, Kiev, 1965. 20 p.  
[MICROFILM]

#### TECHNOLOGY—POPULAR WORKS

Library of skilled craftsmen, V. Mikhailov, V. mire  
knig 6 no.12:15 D '66.

#### TEDZHEN RIVER—SEDIMENTATION AND DEPOSITION

Regime of the Tedzhen River drift below the first and  
second Tedzhen reservoirs, B. K. Balakaev, Izv. AN  
Turk. SSR, Ser. fiz.-tekhn. i geol. nauk no.5:59-  
62.

#### TEDZHEN VALLEY—GEOLOGY, STRATIGRAPHIC

Middle and Upper Pliocene sediments in the southern part  
of the Tedzhen-Murgab interfluvium, M. I. Raevskii, Izv.  
AN Turk. SSR, Ser. fiz.-tekhn. i geol. nauk no.4:  
75-81 '62.

#### TEETH

Effect of the total-body functional X-ray irradiation on  
the processes of absorption of radioactive phosphorus  
by the hard tooth tissues of white rats, Iu. A. Fedorov,  
Vop. radiobiol. 4:189-198 '61.

#### TEETH—DISEASES

Methodology of rendering first aid in stomatological dis-  
eases, A. A. Akhmedov, Azerb. med. zhur., 40 no.4:  
110-115 Ag '63.

#### TEETH—RADIOGRAPHY

Lowered radiation doses in intra-oral roentgenography  
Iu. I. Vozhikov, A. A. Kizlik, Vest. rent. i rad. 37  
no.3:83-91 My-Je '62.

Ways to improve radiation protection in dental radio-  
graphy, P. A. Kaniukhev, A. S. Rikhsaev, Sov. med. 29  
no.12:80-83 D '66

#### TEETH, FOSSIL

First find a tooth of Archideodon cf. meridionalis  
(Nostr.) in White Russia, V. V. Scheglova, Dokl. AN  
SSSR 6 no.8:383-384 Jo '62

#### TECHNOIC ACIDS

Ribitol-containing telcholic acid from cell wall of Actinomy-  
ces, product of antibiotic aureatin, I. R. Naumova,  
AN Dzhuzerskii Biokhimiia 31 no.6:1276-1282 N-  
D '66.

#### TELECOMMUNICATION

(see also subdivision under: Moldavia)

Characteristic of recommendations of the International  
Consultative Committee on Telephony and Telegraphy,  
G. A. Shigin, Elektrosvaz' 20 no.12:61-69 D '66.

Evaluation of phase distortions using the pulse response  
of a communication channel, E. A. Sukachev, Elek-  
trosvaz' 20 no.12:77-78 D '66.

Features of multichannel communication in the optical  
band with frequency division of channels, I. A. Dorgi-  
gin, V. N. Kurashov, Radiotekhn. i elektron. 11 no.12:  
2147-2152 D '66.

Honoring the glorious 50th anniversary, Vest. svlazi  
26 no.11:1-3 N '66.

Interference rejection of a two-channel communication  
system with stable difference frequency during ampli-  
tude keying, P. A. Konstantinov, Elektrosvaz' 20  
no.12:70-73 D '66.

"Interorgtehnika-66," Vest. svlazi 26 no.11:30-32  
N '66.



**TELECOMMUNICATIONS—(Continued)**  
Parametric transformation of spectrum of video pulses in the B V column. Izv. v. s. ucheb. zav. radiofiz. 9 no. 6:1277-1279 '66.  
We are preparing for the new system of management. N. A. Strel'ov. Vest. svyazi 26 no. 11:12-13 N '66.

**TELECOMMUNICATIONS—DICTIONARIES—POLYGLOT**  
[Telecommunications dictionary in seven languages, English-Russian-French-Spanish-Italian-German-Dutch. 9,000 terms] Smilazhchyni slovar' po elektrostizl, anglo-russko-frantsuzsko-ispansko-ital'-fiansko-nemetsko-gollandskii, 9000 terminov. Moskva, Sov. Entsiklopediya, 1966. 708 p.

**TELECOMMUNICATIONS—EMPLOYEES**  
(see also subdivision under Vybory, White Russia)  
Workers of the red banner trust and their achievements. N. M. Shmel'ov. Vest. svyazi 26 no. 11:17-19 N '66.

**TELEGRAPH**  
Construction of telegraph apparatus in APS stations using voice-frequency carrier channels without terminal subscriber panels. G. V. Radutskii. Vest. svyazi 26 no. 11:57 N '66.  
Interference rejection and relative efficiency of multipositional frequency telegraph in intermittent communication channels. A. L. Piskunov. Elektr. svyazi 20 no. 12:23-28 D '66.

Interference rejection of relative phase telegraph. P. A. Gerasimovskii. Izv. v. s. ucheb. zav. radiofiz. 9 no. 6:751-757 N-D '66.

**TELEGRAPH—MAINTENANCE AND REPAIR**  
Optimal technical maintenance in telegraph equipment rooms. R. A. Strel'ova. Elektr. svyazi 20 no. 12:79-80 D '66.

**TELETYPE**  
Accurate superposition of extended objects. G. V. Durel'ko. Izv. v. s. ucheb. zav. radiofiz. 9 no. 6:129-133 '62.

**TELETYPE (PHYSIOLOGICAL APPARATUS)**  
Radiotelemetry in basketball. T. A. I. piak, fiz. kul't. 29 no. 11:46-17 N '66.

**TELEPHONE—EMPLOYEES** see subdivision under Kiev

**TELEPHONE—EQUIPMENT AND SUPPLIES**  
Equipment for additional multiplexing of telephone channels. N. S. Poznyakov. Vest. svyazi 26 no. 11:11 N '66.

**TELEPHONE—NOISE**  
Impulse noise and short-term interruptions in telephone channels. R. G. Zhitkovich, M. L. Shpil'skii. Vest. svyazi 26 no. 11:1-3 N '66.

**TELEPHONE LINES—MAINTENANCE AND REPAIR**  
[Operation of the cable lines of a rural telephone exchange] Eksploataatsia kabel'nykh lini sel'skol. telefonnoi svyazi. [By] L. D. Marlman i dr. Moskva, Svyaz', 1966. 86 p. (Biblioteka sel'skogo svyaztsia)

**TELEPHONE STATIONS—ELECTRONIC EQUIPMENT**  
Kharkevich, A. D. [Problems of the construction of switching circuits in crossbar automatic telephone exchanges] Zadachi postroeniia kommutatsionnykh skhem v krossbarnykh ATS. Moskva, Red. izd. oldel VZES, 1964. 78 p.

[MICROFILM]

**TELEPHOTOGRAPHY—ELECTROMECHANICAL ANALOGIES**  
Using electric analogy in a telephoto lens with changing focus. N. P. Zakaznov. Izv. v. s. ucheb. zav. radiofiz. 9 no. 6:125-128 '62.

**TELETYPE**  
Effect of the contactor system of a teletype transmitter on a law governing the distribution of boundary distortions. N. V. Zakharov. Elektr. svyazi 20 no. 12:48-53 D '66.

**TELEVISION**  
(see also subdivision under Kamchatka; Kazakhstan)  
Information approach to the evaluation of sensitivity in photography and television. Part 1. Shortcomings of the existing systems of sensitivity evaluation and the information criterion of sensitivity. S. B. Gurevich. Zhur. nauch. i prikl. 7 no. 2:133-140 Mr-Apr '62.

**TELEVISION—PRODUCTION AND DIRECTION**  
Art is born in work. Dm. Sitnikov. Sov. radio i tel. 12 no. 8:7-9 Je '63.  
Letter to a colleague. I. Vorob'ev. Sov. radio i tel. 12 no. 6:4-6 Je '63.

**TELEVISION—RECEIVERS AND RECEPTION**  
Kizillo, L. R. [Television receivers; construction and operation] Televizionnye priemniki; ustroistvo i ekspluatatsia. Minsk, Belarus', 1968. 135 p. (Biblioteka po radioelektrike)

**TELEVISION—STAGE-SETTING AND SCENERY**  
(see also subdivision under Kharkov)  
Photographic scenery. I. Belova. Sov. radio i tel. 12 no. 8:33-35 Je '63.

**TELEVISION STATIONS—DESIGN AND CONSTRUCTION**  
see subdivision under Leningrad

**TELEVISION ADAPTATIONS**  
From the pages of a book to the screen. G. Greshnev, V. Gerasimov. Sov. radio i tel. 12 no. 3:33-34 My '63.  
A novel by Jules Verne on the television screen. N. Ignatova. Sov. radio i tel. 8 no. 3:11-15 '59.

Transmission of a theater play. I. Vorob'ev. Sov. radio i tel. 8 no. 3:17 '59.

**TELEVISION AND CHILDREN**  
(see also subdivision under Erivan, North'sk, Krasnoyarsk Territory; Omsk)  
School and life. D. Shengulevich. Sov. radio i tel. 8 no. 3:9 '56.

**TELEVISION AND MUSIC**  
Propaganda of symphonic music. Sov. radio i tel. 8 no. 3:15 '59.  
The television opera "Katerina." G. Kravtsov. Sov. radio i tel. 8 no. 3:16 '59.

**TELEVISION AND SCIENCE** see subdivision under Tomsk

**TELEVISION AND YOUTH** see subdivision under Sverdlovsk

**TELEVISION BROADCASTING**  
(see also subdivision under Leningrad, Perm Province)  
International relations of the Soviet radio and television. Kh. Sarkisov. Sov. radio i tel. 12 no. 3:38 My '63.

A press conference of the Central Television, the Office of the Public Prosecutor of the U.S.S.R., and the Supreme Court of the U.S.S.R. Soiz zakon. no. 11:31-35 N '66.  
Sincerity and loftiness. M. Genina. Sov. radio i tel. 12 no. 6:26-27 Je '61.

**TELEVISION BROADCASTING—COMPETITIONS**  
All-Union competition for the best broadcasting. L. Kaitsev, N. Sakentilov. Sov. radio i tel. 8 no. 3:20-22 '59.

**TELEVISION BROADCASTING OF FILMS**  
Television story. I. Belacv. Sov. radio i tel. 8 no. 3:12-13 '59.

**TELEVISION BROADCASTING OF NEWS**  
(see also subdivision under Riga, Rostov Province, Tallinn)  
"Hungry, our friend." R. Strel'nikov. Sov. radio i tel. 12 no. 6:38 Je '63.

Television report. A. Zelenov. Sov. radio i tel. 8 no. 3:34-36 '59.

**TELEVISION CIRCUITS**  
Nelman, V. E., and I. M. Pevzner. [Stages of the "Signal" television receiver in amateur radio designs] Bloki televizora "Signal" v radioamatorskikh konstruktsiakh. Moskva, Energiia, 1965. 109 p. (Massovaya radio-biblioteka, no. 568)

**TELEVISION IN AGRICULTURE**  
(see also subdivision under Kharkov; Lithuania)  
Where is "the root of evil"? A. Fedotov. Sov. radio i tel. 12 no. 6:2-4 Je '61.

**TELEVISION IN EDUCATION**  
(see also subdivision under Poland)  
Educational requirements for instructional television. L. P. Priesman. Sov. pedag. 30 no. 6:31-32 Je '66.

**TELEVISION IN PROPAGANDA**  
(see also subdivision under Minsk; Sverdlovsk)  
For lofty ideology and creative boldness! Sov. radio i tel. 12 no. 6:11 Je '63.

**TELEVISION PLAYS**  
(see also subdivision under Tokyo)  
Attempt at Anna Pavlova. And. D'Inkonov. Teatr 21 no. 7:107-108 Ji '63.

For them the war has not yet ended. L. Zolotarevskii. Sov. radio i tel. 12 no. 6:30-32 Je '63.

Smoktunovskii plays Mozart. G. Troitskii. Teatr 24 no. 7:106-107 Ji '63.

Writers and television. Sov. radio i tel. 8 no. 3:10 '59.

**TELEVISION PLAYS—STATISTICS**  
Television theaters in figures. V. Serebrennikova. Teatr 24 no. 7:103-105 Ji '63.

**TELEVISION PROGRAMS**  
(see also subdivision under Moscow; Tallinn)  
A question worrying everybody. B. Stepanov. Sov. radio i tel. 12 no. 5:20-21 My '63.

We favor exchange! S. Lagutin. Sov. radio i tel. 12 no. 5:26 My '63.

**TELEVISION STATIONS**  
Eight television stations receive their programming from Moscow. Sov. radio i tel. 8 no. 3:6 '59.

**TELEVISION STATIONS—DESIGN AND CONSTRUCTION**  
see subdivision under Leningrad

**TELEVISION STUDIOS** see subdivision under Dnepropetrovsk

**TELLURIDES**  
New phase in rare earth tellurides of cerium subgroup. A. V. Efremov and others. Izv. AN SSSR. Neorg. khim. 12 no. 12:2211-2215 D '66.

**TELLURITES**  
Cathodic pulse polarography with storage. Determination of tellurite and selenosulfate. B. A. Kaplan, A. S. Il'ina. Zhur. anal. khim. 21 no. 10:1670-1671 '66.

**TELLURIUM**  
(see also subdivision under Transcaucasia)  
Selenium-tellurium electrophotographic layer. S. G. Gritsinin, I. A. Cherkasov. Zhur. nauch. i prikl. fiz. i khim. 7 no. 2:121-127 Mr-Apr '62.

**TELLURIUM—ELECTRIC PROPERTIES**  
Electric characteristics of tellurium doped with tellurine. G. B. Bogdnev, S. A. Abekimov. Fiz. tverd. tela 8 no. 7:2234-2237 Ji '66.

**TELLURIUM-BISMUTH-SELENIUM ALLOYS** see Bismuth-tellurium-selenium alloys

**TELLURIUM COMPOUNDS**  
Interaction of the thionrea complex of tellurium with Reincke salt. I. L. Ingbarly, I. K. Guseinov. Dokl. AN Azerb. SSR 18 no. 1:27-28 '62.

**TELLURIUM ISOTOPES**  
Ob'edinennyi institut iadernykh issledovani. [Laboratory of nuclear reactions]. [Identification of Tellurium by daughter isotopes of proton decay] Identifikatsiia dte po dochernim produktam protonnogo raspada. [By] D. D. Bogdanov i dr. Dubna, 1967. 12 p.

**TELLUROMETRY**  
Processing tellurium alloys using the method of true clipping. G. N. Tkachev. Geol. i geofiz. no. 11:111-121 '67.

**TEMPERATURE** see subdivision under Ivan'kovo Reservoir, Rybinsk Reservoir; Uglich Reservoir, Varvar Reservoir

**TEMPERATURE—EFFECT ON ACETONE** see Acetone, Effect of temperature on

**TEMPERATURE—EFFECT ON ALKALI METAL ALUMINATES** see Alkali metal aluminates, Effect of temperature on

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## TEXTILE FIBERS, SYNTHETIC (Continued)

Modification of synthetic fabrics A. A. Konkin, G. I. Kudrjavtsev Zhur VKHO II no 6:637-647 '66

**Pakshver, A. B., ed.** [Carbon chain fibers] Karbosepynye volokna. Moskva, Khimika, 1966. 285 p.

Physical and hygienic properties of fabrics made from voluminous acrylic yarn M. I. Sukharev, P. S. Levitan Izv vys ucheb. zav. tekhn. leg. prom. no 5:12-18 '66

Some basic directions of the technological development of the synthetic fiber industry Z. A. Rogovin Zhur VKHO II no 6:602-611 '66

Study in the field of the modification of synthetic fibers by forming them from the melts of polymer mixtures F. V. Nestukh, A. V. Rudin Izv vys ucheb. zav. tekhn. leg. prom. no 5:31-39 '66

Synthetic fibers with special properties A. D. Vitrnik, L. S. Galbraikh, P. M. Litashits Zhur VKHO II no 6:657-664 '66

Technical and economic indices of the production and use of synthetic fibers in the national economy E. P. Lyanova, G. A. Kirsanova Zhur VKHO II no 6:677-682 '66

Use of tissues with synthetic fibers in the manufacture of upholstered furniture N. A. Morozov, K. A. Kostlichenko, Z. M. Genkina, Der. prom. 15 no 12:3-4 D '66.

Vinyl alcohol polymer fibers with special properties L. A. Volkov and others Zhur VKHO II no 6:651-656 '66

**Zernov, E. V.** [Organization and planning of the production of synthetic fibers] Organizatsiya i planirovaniye proizvodstva khimicheskikh volokon. Moskva, Khimika, 1966. 305 p.

## TEXTILE FIBERS, SYNTHETIC—RESEARCH see subdivision under Ukraine

## TEXTILE FIBERS, SYNTHETIC—TABLES, CALCULATIONS, ETC.

**Pakshver, A. B., and A. I. Mees.** [Technological calculations in the production of synthetic fibers] Tekhnologicheskiye raschety v proizvodstve khimicheskikh volokon. Izd. 2, pererabot. Moskva, Khimika, 1966. 322 p.

## TEXTILE FIBERS, SYNTHETIC—TECHNOLOGICAL INNOVATIONS see subdivision under Mogilev

## TEXTILE FINISHING

Measuring the transverse shift of the fabric during its longitudinal movement on the machines of the dyeing and finishing departments A. I. Soldatov, Izv. vys. ucheb. zav. tekhn. tekst. prom. no 5:142-145 '66

## TEXTILE INDUSTRY

(see also subdivision under Gorno-Altai Autonomous Province; Tajikistan)

In the Ministry of the Light Industry of the R. S. F. S. R. Tekst. prom. 26 no 12:74-75 D '66.

Results of some studies of air ionization in industrial premises. E. V. Gortunova, A. E. Solodikhin, Izv. vys. ucheb. zav. tekhn. tekst. prom. no 5:130-135 '66

**Rudenko, I. E.** [Organization of economic work in textile enterprises] Organizatsiya ekonomicheskoy raboty na tekstil'nykh predpriyatiyakh. Moskva, Legkaya Industriya, 1965. 275 p. (CAOTU)

Under the banner of socialist competition. Tekst. prom. 26 no 12:1-4 D '66.

## TEXTILE INDUSTRY—ACCOUNTING

Business accounting within individual production units and the mobilization of potentialities of production. A. A. Tishina, Uch. zap. Kai. sov. ekon. Vys. shkoly no 3:80-91 '66

## TEXTILE INDUSTRY—MANAGEMENT

Choose an expedient system. N. M. Antipova Tekst. prom. 26 no 12:60-61 D '66.

Introduce scientifically based work organization in industry. Tekst. prom. 26 no 12:8-9 D '66.

**Zernov, E. V.** [Organization and planning of the production of synthetic fibers] Organizatsiya i planirovaniye proizvodstva khimicheskikh volokon. Moskva, Khimika, 1966. 305 p.

## TEXTILE INDUSTRY—PERIODICALS

Conferences of the readers of "Tekstil'naya promyshlennost'" V. N. Popova, A. A. Razumeeva, S. I. Kugel Tekst. prom. 26 no 12:61-62 D '66.

## TEXTILE INDUSTRY—QUALITY CONTROL

Classification of flaws in nonwoven stitched fabrics. A. M. Boitsova, M. I. Sukharev, Izv. vys. ucheb. zav. tekhn. leg. prom. no 6:8-11 '66

## TEXTILE MACHINERY

Automatic straightening of wools. O. Voskanyan, M. Arutunian Prom. Arm. 9 no 10:68 '66.

Effect of the composition of the sprayed fluids on their properties and the effectiveness of action. V. V. Podgorkov, V. N. Latyshev, Izv. vys. ucheb. zav. tekhn. tekst. prom. no 6:157-159 '66.

Electric phenomena during the deterioration of yarn-guiding machine parts P. T. Basko Izv. vys. ucheb. zav. tekhn. leg. prom. no 5:162-167 '66

Increasing the wear resistance of steel yarn guides of textile machines by enameling. T. A. Nimvinskaya and others Tekst. prom. 26 no 12:53-54 D '66

New appliance for the detection of metallic parts in the folds of the cloth or on the rolls of the calendar A. K. Rastorguev Izv. vys. ucheb. zav. tekhn. tekst. prom. no 5:120-123 '66

The new V-180-Sh napping machine R. G. Kropachev, Tekst. prom. 26 no 12:52-53 D '66.

Study of loads in a dyeing and stitching machine during steady motion A. I. Tatarsenko, V. P. Serdyuk, Izv. vys. ucheb. zav. tekhn. leg. prom. no 5:153-161 '66

Unwinding yarn from a cylindrical packing unit in the direction of the axis. G. K. Popova, Izv. vys. ucheb. zav. tekhn. tekst. prom. no 5:146-151 '66

## TEXTILE MACHINERY—TRANSMISSION DEVICES

Some problems of studying and calculating the drive of the twisting parts of textile machines I. S. Privalov Izv. vys. ucheb. zav. tekhn. tekst. prom. no 5:152-156 '66

## TEXTILE PRINTING

Choice of the concentration of the oil phase of a water-oil type emulsion for printing with vat dyes A. V. Senakhov, V. V. Koval' Izv. vys. ucheb. zav. tekhn. tekst. prom. no 5:95-98 '66

## TEXTILE PRINTING—EQUIPMENT AND SUPPLIES

Use of a spherical cylinder viscosimeter for measuring the viscosity of pastes for printing with vat dyes L. M. Holomb, Leh. prom. no 2:31-38 Ap-Je '62

## TEXTILE WORKERS see subdivision under Kiev

## TEXTOLITE

Effect of the mechanical properties of adhesives on the strength of glass textolites R. A. Kiselev, I. A. Stepanov Plast. massy no 12:43-45 '66

Glass textolites with a base of nitrogen-containing formaldehyde resins. A. L. Poshchekonova and others, Trudy MKHIT no 42:140-150 '63

## THALLIUM SELENIDE CRYSTALS

Thin plate diodes G. A. Akimov, G. B. Abdullayev Dokl. AN Azerb. SSR 18 no 1:11-13 '62

## THALLIUM SELENIDES

Evaporation rate of thallium selenide (q1 Se), L. Kh. Genov, A. N. Nosmetanov, IU. A. Prielkhov, Vest. Mosk. un. Ser. 2 Khim. 17 no 5:34-35 S-O '62.

## THEATER

(see also subdivision under Berlin, East; Brest; Estonia; Ivanovo; Kirov; Komi A. S. S. R.; Kursk; Lvov; Moscow; New York (City); Pskov)

Mainovskii's theatricality, K. Rudnikskii, Teatr 24 no 7:23-30 Ji '63.

New correspondents of "Teatr." Teatr 24 no 7:132-139 Ji '63.

Obstacles. IU. M. Id. Teatr 24 no 7:98-102 Ji '63.

Seriously and responsibly. Teatr 24 no 7:128 Ji '63.

## THEATERS

Concerning the contractual system and other questions. F. Evseev, Teatr 24 no 7:55-65 Ji '63.

## THEATERS—DESIGN AND CONSTRUCTION

(see also subdivision under Budapest)

Design principles of theater halls abroad. IU. Onedovskii, Arkhitekt. SSSR no 12:23-28 '66

Problems of designing theaters. Arkhitekt. SSSR no 12:9-10 '66.

Some problems of designing theaters. V. Bykov, Arkhitekt. SSSR no 12:18-22 '66.

Type of new theater buildings and some standard requirements. B. Shchepetov Arkhitekt. SSSR no 12:11-17 '66

## THELERIASIS

Ticks Ixodes ricinus and Rhipicephalus bursa as carriers of theleriasis of cattle. V. D. Meshcheriakova, Veterinaria 43 no 1:50-62 Ja '67.

## THEODOLITES

Using small optical theodolite A. F. Kotlov Avi. dor. 20 no 12:24 D '66

## THEOPHANES, The Greek, ca 1330-ca. 1409

Some remarks on the art of Theophanes, the Greek. A. N. Grabar, Trudy ODRL 22:83-90 '66

## THEORY OF ERRORS see Errors, Theory of

## THEORY OF GROUPS see Groups, Theory of

## THEORY OF KNOWLEDGE see Knowledge, Theory of

## THEORY OF NUMBERS see Numbers, Theory of

## THEORY OF POTENTIAL see Potential, Theory of

## THEORY OF SIMILITUDE see Similitude, Theory of

## THERAPEUTICS

(see also subdivision under Bulgaria)

Combined treatment of cancer of cervix uteri based on materials of Crimea Province Oncological Dispensary during 1953-1960 M. P. Skorobogatov Khim. med. no 1:60-63 '65

Some combined methods for treating schizophrenia resistant to amphetamine. V. P. Buzanov, R. P. Kopylov, P. A. Khichov, Zhur. nevrol. i psikh. 67 no 1:115-116 '67

Treatment of exsudative-catarrhal diathesis in newborn infants A. N. Gaidarov Azerb. med. zhur. 40 no 1:47-69 S '63

Use of desoxyribonucleic acid, amino acids, vitamins of the "B" group, and ATP for the stimulation of restorative processes in animals with myocardial lesions. IU. S. Chechulin Trudy Inst. im. N. V. Sklif. 7:254-260 '63

## THERAPEUTICS, SUGGESTIVE

**Gerke, R. P.** [Hypnosis and suggestion] Ogluzov i vnusheniye, Rig, Zinatne, 1966. 74 p. (DNLMI)

## THERMAL ANALYSIS

Current state of thermography and its use in petrographic studies V. P. Ivanova Min. s'ye. no 12:51 d '66.

Phase diagram of the praseodymium-selenium system V. I. Kalitin, E. I. Larentash, N. P. Luchmal, Izv. AN SSSR Neorg. mat. 2 no 11:1930-1930 N '66

System Mg<sub>2</sub>Sn-Mg<sub>2</sub>Ge. E. S. Makarov and others, Izv. AN SSSR Neorg. mat. 2 no 12:216-219 N '66

System titanium-iron-silicon V. A. Markiv, I. A. Lysenko, C. I. Gladyshevskii, Izv. AN SSSR Neorg. mat. 2 no 11:1940-1944 N '66.

Thermal analysis of germanium-barium fusibility diagram V. G. Andrianov and others, Izv. AN SSSR, Neorg. mat. 2 no 11:2064-2066 N '66

Thermogravimetric study of complex compounds of berberine alkaloid bases. D. D. Dikandi and others, Dokl. AN Tadzh. SSR 9 no 12:21-27 '66

## THERMAL PETROLEUM PRODUCTION see Petroleum production, Thermal

## THERMAL STRESSES

Mechanism of the origination of temperature stresses in deformations in castings L. S. Konstantinov, Izv. prom. no 11:25-32 N '63.

Thermal stresses in thin plates with reinforced edges. IU. M. Koltano, Konts. naprav. no 1:111 '66.

## THERMAL WATERS see subdivision under Khukhuy Valley; Puzhetha Valley, Uzbekistan

## THERMIONIC EMISSION

Emission of hot electrons from polar semiconductor with nonparabolic dispersion. N. N. Gligolev, I. M. Dykman, P. M. Tomchuk Izv. AN SSSR, Ser. fiz. 40 no 12:1927-1930 D '66.

Emission parameters of faces of tungsten, molybdenum, and tantalum single crystals (pure and impure). G. N. Shuppe, Izv. AN SSSR, Ser. fiz. 30 no 12:1915-1917 D '66.

Thermionic emission from hafnium and zirconium cathodes. N. A. Gorbatsky and others, Izv. AN SSSR, Ser. fiz. 30 no 12:1942-1949 D '66.

Thermionic emission of some borides of yttrium and gadolinium R. M. Manelis, L. P. Gribina, A. B. Ivanov, Radiotekh. i elektron. 11 no 11:2094-2096 N '66.

## THERMISTORS

Analytical calculation of direct and reverse voltages across with circuits with thermistors. L. M. Rogatina, Tekhn. elektron. no 1:102-107 '66.

Approximation and properties of the volt-ampere characteristics of a thermistor. L. M. Rogatina, Tekhn. elektron. no 1:95-101 '66.

Scope of errors in temperature measurement in automatic control of heating. P. G. Bazanovskii, Izv. vys. ucheb. zav. tekhn. met. 8 no 12:150-163 '66.

## THERMOCHEMISTRY

Mechanism of reactions involved in the thermal decomposition of methane under homogeneous conditions. I. G. Petrenko, Trudy IGI 18:21-28 '62

Temperature coefficient of combustion velocity of condensed mixtures at various component ratios. G. V. Lukashenko and others, Fiz. gor. i vzryva no 3:1-6 '66 '66.

## THERMOCOUPLES

Calibration of thermocouples under dynamic conditions V. Pak, Izv. tekhn. no 6:23-28 Je '62.

Scope of errors in temperature measurement in automatic control of heating. P. G. Baranovskii, Izv. vys. ucheb. zav. tekhn. met. 8 no 12:150-162 '66.

Study of the efficiency of materials for thermocouples. Kh. M. Kullov, Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no 6:9-12 '62.

## THERMODYNAMICS

**Astazhenskii, A. S.** [Thermodynamics and the history of its development.] *Termodinamika i istoriya ee razvitiya* Moskva, Energiya, 1966 686 p

Steady laminar flow of an incompressible fluid in a plane channel and in a circular cylindrical tube, allowing for the heat of friction and the temperature dependence of the viscosity. S. A. Kaganov. *PMTF* no. 3 96-99 My-Je '62.

Studying the effect of weight velocity, underheating and pressure on the critical thermal load. A. P. Onitskii, I. M. Kichigin. *Teploenergetika* 8 no. 2, 75-79 F '61. Thermodynamics of new phase formation by transformation in the solid state under hydrostatic pressure. D. E. Temkin. *Dokl. AN SSSR* 171 no. 7 1086-1088 D '66.

## THERMOELASTICITY

Random thermoelastic stresses in wall caused by temperature fluctuations. M. Kh. Ibragimov, V. I. Meshukov, V. I. Sukhotin. *Atom energ.* 21 no. 6 513-511 D '66.

## THERMOELECTRIC CRYSTALS

Structural mechanism underlying the electro-optical and thermoelectric effects in thin molecular crystals of the triglycine sulfate type. N. B. Ivanov, L. A. Smulov, I. B. Kislovskii. *Dokl. AN SSSR* 171 no. 5 1002-1005 F '66.

## THERMOELECTRICITY

Estimation of the energy characteristics of current carriers in metals by the temperature dependence of the thermal electromotive force. M. D. Smolin. *Dop. AN URSS* no. 7 893-895 '63.

Thermoelectric deformation. N. S. Akulov, A. A. Lukivich. *Dokl. AN BSSR* 10 no. 9 632-635 S '66.

Thermoelectric properties of the system CdSe - Bi and CdSe - Sn. D. P. Bilotsky, M. S. Dundich, M. P. Kostomarov. *Dop. AN URSS* no. 7 889-892 '63. Thermoelectric water effect. T. S. Bibikov, V. I. Tsuk. *Priroda* 55 no. 12 59-60 '66.

## THERMOMETERS

Dynamic characteristics of the sensitive elements for temperature measurements. A. P. Kopelovich, M. D. Klimovitskii. *Teploenergetika* 8 no. 2 92-94 F '61.

## THERMOMETERS AND THERMOMETRY, MEDICAL

Gastric electrophormetry in the diagnosis of different stomach diseases. Report No. 2. S. M. Guseinova. *Vest. med. znan.* no. 7, 17-22 JI '62.

## THERMOMETRY

Industrial measurement of copper temperature. B. Stepanov. *Prum. Atom.* no. 10 52-54 '66.

## THERMOPILES

Use of thermopiles at subsonic frequencies. O. N. Gravin, O. P. Galakhova, E. D. Koltir. *Izvestiya* no. 6 31-34 Je '62.

## THERMOPLASTICS

High-speed screw-type machinery for the extrusion of thermoplastics. D. D. Rabinin. *Khim. prom. [Ukr.]* no. 3 49-52 JI-S '62.

## THIAMINE

Effect of B<sub>1</sub> hyper- and avitaminosis on structural and ultrastructural reorganization in *Endomyces magnusii*. T. V. Volkova. *Mikrobiologiya* 35 no. 5 817-823 S-O '66.

Effect of vitamin B<sub>1</sub> on production of immune antibodies in mice following levomycesin injection. M. V. Kiyovskiy, A. M. Kozlov, Zhur. 26 no. 6 76-78 '66.

Effect of X-ray irradiation on biosynthesis processes and decay of phosphoric esters of vitamin B<sub>1</sub>. I. V. Savitskii, N. F. Lens. *Radioobiologiya* 6 no. 6 807-811 '66.

## THIAMINE METABOLISM

Effect of acute poisoning with sodium fluoride on the accumulation of radioactive vitamin B<sub>1</sub> in the body. I. U. P. Nikitin. *Trudy Novokuz. GIDUVA* 32:140-142 '65.

## THIAZOLIDINEACETIC ACID

Quantitative determination of ancolysine, leucogen and ancoysine. I. A. M. Perelman, K. I. Evstafyeva. *Apt. dete* 12 no. 1 45-49 Ja-F '63.

## THIOCYANATES

Cation thiocyanate complexes of mercury. E. A. Giumer, N. D. Boltykh, Ukr. khim. zhur. 32 no. 12 1270-1272 '66.

Substitution reactions in oxalate compounds of uranyl of tetravalent type in the presence of thiocyanate ions. R. N. Shechelkov, I. M. Shulgina, I. I. Cherniaev. *Zhur. neorg. khim.* 11 no. 11 2652-2661 N '66.

## THIOCYANATION

Thiocyanation of phenol derivatives and quantitative determination of m- and p-isomers present together. A. A. Zelenetskaya, N. N. Nikitina, G. P. Borodina. *Trudy VNIISNDV* no. 7 175-180 '65.

## THIOLS

Acid hydration and nucleophilic addition of alcohols and mercaptans to arylalkylthioacetates. I. U. A. Bolko, B. S. Kupin, A. A. Petrov. *Zhur. org. khim.* 2 no. 11: 1823-1828 N '66.

Effect of thiole on free amino acid accumulation in cultures of micro-organisms. T. L. Ruban, L. B. Lobryeva. *Mikrobiologiya* 35 no. 5 781-786 S-O '66.

$\alpha$ ,  $\beta$ -Unsaturated thiol acetates. Part 1: Vinylthiol acetate in hemolytic addition reactions. N. P. Petukhova, T. N. Pritcheva. *Zhur. org. khim.* 2 no. 11 1917-1951 N '66.

$\alpha$ ,  $\beta$ -Unsaturated thiol acetates. Part 2: Vinylthiol acetate in dimeric condensation. N. P. Petukhova, T. N. Pritcheva. *Zhur. org. khim.* 2 no. 11 1954-1961 N '66.

## THIOSULFATES

Catalytic action of titanium (IV) in oxidation of thiosulfate with hydrogen peroxide. V. A. Litvinenko. *Ukr. khim. zhur.* 32 no. 12 1338-1342 '66.

## THORACIC DUCT

Methodology for postmortem cytologic examination of washings of the thoracic duct in malignant abdominal tumors. V. A. Babayeva. *Izvestiya* 8 no. 6, 17-19 N-D '61.

## THORIUM

Angular distribution of fragments of <sup>232</sup>Th<sup>232</sup> fission by 1.8 Mev neutrons. S. B. Ruzanovskiy and others. Pis'ma v red. Zhur. eksp. i teo. fiz. 5 no. 1 39-44 Ja '67.

Radiochemistry of thorium in the hypergenous zone. V. A. Kovalev. *Dokl. AN BSSR* 4 no. 6 370-382 Je '62.

## THORIUM COMPOUNDS

Coordination potentialities of thorium. A. K. Molodkin, O. M. Ivanova. *Zhur. neorg. khim.* 11 no. 11 2156-2177 N '66.

## THORIUM COMPOUNDS—SPECTRA

Infrared absorption spectra of thorium disulfate and products of its thermal decomposition. I. U. A. Khimichonov, V. N. Tsvetkovskiy, A. K. Molodkin. *Zhur. neorg. khim.* 11 no. 11 2608-2613 N '66.

## THOUGHT AND THINKING

Some trends in foreign research of thinking. D. N. Zavalishina. *Vop. psikh.* 12 no. 6 176-182 N-D '66.

## THROAT—DISEASES

Logopedic work and its significance for the method of comprehensive therapy of voice disorders due to organic diseases of the larynx. F. S. Atmazova. *Uch. zap. MGPI* no. 210:77-79 '64.

## THROMBELASTOGRAPHY

Normal indices of thrombelastogram and calibration of the thrombelastograph. G. A. Iakimov. *Lith. dete* no. 1 34-37 '67.

## THROMBIN

Adiponitrile lipase as a humoral agent of the physiological anticoagulating system. B. A. Kuchashov and others. *Bull. eksp. biol. i med.* 55 no. 5 20-25 My '63.

## THROMBOSIS

Mitral commissure in the embolism of the left auricular appendage. I. M. Meshchik and others. *Khirurgiya* 36 no. 2 84-89 F '63.

Prophylactic effect of the most stable products of fibrinogen resolution during experimental thrombogenesis. B. A. Kudryashov, I. P. Baskova, T. B. Kovaleva. *Vop. med. khim.* 12 no. 6 641-593 N-D '66.

Treatment of embolisms and thromboses of the pulmonary artery. N. M. Rzaev. *Khirurgiya* 12 no. 11 109-114 N '66.

Vascular thrombosis in fractures of the hip. E. V. Volchok. *Trudy inst. im. N. V. Sklif.* 7 392-396 '63.

Venous thrombosis and embolism of the pulmonary artery as complications in fractures. N. I. Bganitsyev. *Trudy inst. im. N. V. Sklif.* 7 398-392 '63.

## THRUSHES

Forest tick thrushes. I. A. Nefedov. *Trudy Zool. inst.* 30:120-184 '66.

## TIUMB—WOUNDS AND INJURIES

Replantation of severed and simultaneous restoration of injured first fingers. P. D. Topolov. *Travmatologiya* no. 1 271-277 '63.

## THYMINE

Diurnal fluctuations of <sup>3</sup>H-thymidine incorporation into interphase primary spermatocytes of mice. G. P. Makedonov. *TSitologiya* 8 no. 5 652-654 S-O '66.

Excitation and biosynthesis of pseudouridine and thymidine following irradiation. A. S. Kosenko, N. A. Fedorov. *Radioobiologiya* 6 no. 5 682-686 '66.

## THYMOLSULFONEPHTHALEIN

Spectrophotometric study of complexes of some elements with methylthymol blue. V. N. Tikhonov. *Zhur. anal. khim.* 21 no. 10 1173-1176 '66.

## THYMUS GLAND

Thymus gland in animals of different age following X-ray irradiation in relatively small doses. V. V. Khodun. *Vop. radiobiol.* 4:10-24 '61.

## THYROID GLAND

Effect of radioactive iodine on the thyroid gland tissue following single and fractional injections. I. A. Koshchenko and others. *Vop. radiobiol.* 4:212-251 '61.

Functional activity of the thyroid gland in feeding bulbs of various breeds. T. T. Mliner, L. P. Reznichenko, V. P. Pliginskii. *Sel'khoz. biol.* 1 no. 6 901-910 '66.

Mechanism of changes in thyroid gland functions during stress. I. B. Skelchinskaya. *Probl. endok. i gorm.* 9 no. 1 111-118 Ja-F '63.

Radioactive iodine and scintigraphy test for the determination of the functional state of the thyroid gland in oncological patients. T. N. Khrushchikova. *Klin. onk.* no. 1 209-214 '65.

Reaction of the thyroid gland to immobilization. V. M. Gaidenko. *Travmatologiya* no. 1 141-148 '65.

Some problems of histology and thyroid gland regulation. A. A. Vankovskiy, A. V. Tchernev. *Usp. sov. biol.* 62 no. 3 440-445 N-D '66.

State of the hypophysis-thyroid gland system in rats in the process of inducing liver tumors by means of p-aminomethylaminobenzene. V. P. Grinchishin. *Vop. onk.* 12 no. 11 99-113 '66.

## THYROID GLAND—CANCER

Malignant adenoma of the thyroid gland in an 8-year-old child. A. P. Bogdanova. *Probl. endok. i gorm.* 9 no. 1 106-108 Ja-F '63.

## THYROID GLAND—DISEASES

Dynamics of changes in the electrocardiogram in thyrotoxicosis treated with radioactive iodine. M. V. Spivakovskiy. *Med. rad.* 7 no. 8 22-29 Ag '62.

Interrelational relations in various functional conditions of the thyroid gland. G. A. Korneev. *Zhur. vys. nauch. detat.* 12 no. 3 443-448 My-Je '62.

Role of the nervous system in the processes of thyroid gland hypoplasia. M. E. Skatkov. *Probl. endok. i gorm.* 9 no. 1, 11-23 Ja-F '63.

State of the secretory and excretory function of the stomach in thyrotoxicosis and hypothyroidism before and following treatment. A. I. Pirolova. *Trudy t-g. MGMI* 43, 152-157 '63.

## THYROID GLANDS—SURGERY

Current methods in the treatment of thyrotoxicosis. Z. M. Mamedov, M. M. Alkhalikov. *Azerb. med. zhur.* 40 no. 2 8-12 F '63.

Dynamics of the accumulation of <sup>131</sup>I in an early date following the operation on the thyroid gland. I. S. Mashtum. *Med. rad.* 7 no. 8 18-22 Ag '62.

Effect of thyroidectomy on the contractile function of the uterus in dogs. I. S. Kur'nenko. *Probl. endok. i gorm.* 9 no. 1 10-34 Ja-F '63.

Preoperative preparation of thyrotoxicosis patients with reserpine. G. M. Gurevich. I. S. Mashtum. *Probl. endok. i gorm.* 9 no. 1 60-62 Ja-F '63.

## THYROID HORMONES

Effect of thyroid hormones on the content of individual protein fractions in the structural elements of rat liver cells. S. A. Kaplanskii, S. A. Usupova. *Biokhimiya* 27 no. 5 907-911 S-O '62.

## TIBIA—FRACTURE

Fractures of femoral condyle and of tibia and their treatment. A. I. Surzhik. *Travmatologiya* no. 1 199-208 '65.

Methodology of metallic osteosynthesis of closed diaphyseal fractures of the shin using K. M. Klimov's modified nail. V. I. Kravchuk. *Travmatologiya* no. 1 221-221 '65.

## TIBIA—TUMORS

Approach for the removal of tumors of the external epimetaphysis of the tibia: 3 observations. V. P. Selivanov. *Vop. onk.* 12 no. 12 64-66 '66.

TICKS see subdivision under Nakhichevan A. S. S. R.

## TICKS—EXTERMINATION

Repellent and toxic effect of chlorophos, chlorfen, polychlorophene, MGU-22, RP-1, RP-50 and dimethylphthalate on the tick *Dermacentor marginatus* Sulz.; an abstract. E. I. Pokrovskaya. *Mod. paraz. i paraz. bol.* 31 no. 5 622 S-O '62.

TICKS—PARASITES see Parasites—Ticks

TICKS AS CARRIERS OF DISEASE (see also subdivision under Biryuchiy Island; White Russia)

Identification of the virus of Kemerovo tick-borne fever. Evidence of the antigenic independence of this virus. M. P. Chumakov and others. *Vop. virus.* 8 no. 4 440-444 JI-Ag '63.

Ticks *Ixodes ricinus* and *Rhipicephalus bursa* as carriers of theileriasis of cattle. V. D. Meshcheriakova. *Veterinaria* 43 no. 5 59-62 Ja '67.

## TIDAL WAVES

[Semiannual catalog of data on seismology, tsunamis, and gravity received by the World Data Center B1] *Shestimes, kat. dan. po seism., tsun., i grav.* July-Dec. 1965, publ. '66.

Tsunami problem in heterogeneous sea. L. V. Churkayev. *Okeanologiya* 6 no. 5 752-759 '66.





# ISSUES (Continued)

Use of calorimetry in studying orifices in biological systems. D. A. Kuznetsov, V. I. Andriyashin, G. M. Mironovskii, P. L. Privalov. Dokl. AN SSSR 171 no. 5 1199-1200 D '66

# TISSUES—PRESERVATION

Changes in the protein-electrolyte equilibrium in dogs following replantation of extremities preserved during 24 hours under  $t = +2 \text{--} +4^\circ\text{C}$ . L. M. Saburova, G. L. Lipoetskii. Trudy I-go MMI 49 186-195 '66

Simple method of preserving transplantable cells by freezing. V. I. Malchenko, S. N. Rudnova, L. N. Porudv-sheva. Vop virus 11 no. 6 761-773 N-D '66

# TITANIUM

(See also subdivision under Donets Basin; Mediterranean Sea, West Siberian Plain)

Electro-transfer of sulfur in titanium. I. F. Kononuk, M. M. Pavlichenko. Dokl. AN BSSR 6 no. 6 373-375 Je '62

# TITANIUM—ANALYSIS

Extraction of titanium with 2-ethylhexylphosphoric acids. Report No. 2. Complete chemical determination of titanium in extraction solution. I. B. Kleimik, I. A. Bykhovskaya, Zhur. anal. khim. 21 no. 12 1499-1501 '66

# TITANIUM—BRITTLENESS

High-temperature plasticity loss in titanium. B. A. Kolachev and others. Trudy MATI no. 66:80-102 '66

# TITANIUM—ELECTROMETALLURGY

Optimum structural thickness in titanium melting. A. A. Neustuev, G. L. Khodovskii. Trudy MATI no. 66:111-122 '66

# TITANIUM—NITROGEN CONTENT

Determination of nitrogen in titanium by isotope dilution method. K. B. Orlova, E. N. Vitol', Zhur. anal. khim. 21 no. 10 1263-1266 '66

# TITANIUM—WELDING

Certain peculiarities of titanium welding by nonconsumable electrodes with use of fluxes. S. M. Gusevich, V. N. Zamkov, Avtom. svai. 19 no. 12 13-16 N [i.e.D] '66

# TITANIUM ALLOYS—HYDROGEN CONTENT

Hydrogen distribution between phases in  $(\alpha + \beta)$ -titanium alloys. B. A. Kolachev, V. A. Livanov, A. A. Bukhanov. Trudy MATI no. 66:76-86 '66

# TITANIUM ALLOYS—METALLOGRAPHY

Kinetics of  $\beta$ -grain growth in commercial titanium alloys. B. A. Kolachev, V. V. Shevchenko. Trudy MATI no. 66: 63-75 '66

# TITANIUM CATALYSTS

Catalytic action of titanium (IV) in oxidation of thiosulfate with hydrogen peroxide. V. A. Litvinenko, Ukr. khim. zhur., 32 no. 12 1378-1342 '66

# TITANIUM-CHROMIUM ALLOYS—METALLOGRAPHY

Isothermal transformation in titanium-chromium alloys. O. I. Vishniakov and others. Trudy MATI no. 66:63-62 '66

# TITANIUM COMPOUNDS

Orbital-graphite polarography of fluorido-chloride metals containing soluble compounds of titanium. I. U. K. Delimuratov, R. V. Chernov, Ukr. khim. zhur., 32 no. 12 1286-1291 '66

# TITANIUM CRYSTALS—DEFECTS

Effect of deformation rate on structural changes in titanium. V. P. Sevidenko, M. I. Kalachev, P. P. Ankut. Dokl. AN BSSR 10 no. 12:941-944 D '66

# TITANIUM-IRON-SILICON ALLOYS

System titanium-iron-silicon. V. I. Markiv, L. A. Lysonko, E. I. Gladyshevskii. Izv. AN SSSR, Noorg. mat. 2 no. 11:1990-1994 N '66

# TITANIUM-MOLYBDENUM ALLOYS—METALLOGRAPHY

Isothermal transformations in titanium-molybdenum alloys. B. A. Kolachev and others. Trudy MATI no. 66: 39-52 '66

# TITANIUM ORES

(See also subdivision under Irkutsk Basin)

Behavior of titanium bearing minerals during hydrothermal alteration of amphibolites at Darnau gold ore deposit, Transbaikalia. E. M. Strelok. Geol. rud. mestoz. 8 no. 6:97-101 N-D '66

# TITANIUM-VANADIUM-ALUMINUM ALLOYS—HARDENING

Effect of hardening from  $\alpha$ -field and subsequent tempering on mechanical properties of the VT3-1 alloy. B. A. Kolachev, S. M. Palmbron. Trudy MATI no. 66:103-113 '66

# TITANIUM-VANADIUM-ALUMINUM ALLOYS—HYDROGEN CONTENT

Effect of hydrogen on processes taking place in VT3-1 alloy during aging. B. A. Kolachev, V. S. Liasotskaya. Trudy MATI no. 66:87-95 '66

# TITANOMAGNETITE

See subdivision under Soviet Far East

# TITRATION

Determination of complex antigenic mixture using Ouchterlony's method of antigen and antiserum titration in a single test. V. S. Apokin. Lab. delo no. 1 11-13 '67

Thermoelectric determination of sodium by means of anion exchangers. A. I. Rabinin, I. A. Afanasiev, I. A. Afanov. Zhur. anal. khim., 21 no. 10 1256-1260 '66

# TOBACCO

Sketches from the history of the use of tobacco and mahoeika. I. A. Mukovichev. Trudy Un. druzh. nar., 19 Sankh., nauki no. 171-86 '66

# TOBACCO MOSAIC VIRUS

Effect of the respiration of infected tobacco leaves on the accumulation of tobacco mosaic viruses. L. I. Mukozhova. Trudy Inst. gen. no. 26 189-191 '63

# TOBAGO AND TRINIDAD

See Trinidad-Tobago

# TOBOL'SK (TYUMEN PROVINCE)—COMMERCE

Transfer of "Russian" goods from Tobol'sk to Siberia in the 17th century. O. N. Vilkov. Izv. SO AN SSSR no. 9 Ser. obshchestv. nauk no. 3 117-125 '66

# TOCOPHEROL

Determination of vitamin E in the oil of Schizandra chinensis. M. N. Kichevskova. Apt. delo 12 no. 133-36 Jan. '63

# TOGO—POLITICS AND GOVERNMENT

New regime in Togo. M. Klemm. Nov. vietn., 25 no. 4:16-17 Jan. '67

# TOILET PREPARATIONS

Behavior of odorous substances in toilet soap. V. P. Ostrova and others. Trudy VNISNDV no. 7 90-95 '65

# TOKA, SALCHAK

Techniques of the portrayal of characters in "The story of a common man." M. A. Lyneva. Uch. zap. Tav. nauch.-issl. inst. fiz.-mat. 101:180-185 '63

# TOKYO—TELEVISION PLAYS

Enemies and friends of the "only son." I. Ull. Vdovin. Teatr 24 no. 7:153-154 Ji. '63

# TOLERANCE (ENGINEERING)

Determination of diameter tolerance of three-cone bit. S. G. Sultanov, P. A. Glazdunov. Azerb. neft. khoz. 45 no. 12 43-46 D '66

Forging accuracy and rigidity of multiple-position automatic machines for cold forging. E. D. Bledskii and others. Kuz.-stalm. protov. 8 no. 12:24-28 D '66

# TOLSTOI, LEV NIKOLAEVICH, 1828-1910

The element of parody as reflected in the style of L. N. Tolstoy (War and Peace). I. E. Grineva. Uch. zap. Kol. gos. ped. inst. 43:3-21 '63

Forgotten interview with Lev Tolstoy. Nov. mir 39 no. 3:235-238 Mr. '64

L. N. Tolstoy's "War and peace." V. mire knig. 8 no. 10: 41 O '66

Lev Tolstoy's unpublished letters. Nov. mir 39 no. 3: 231-235 Mr. '63

Lomachov, K. N. [Face to face with Tolstoy; L. N. Tolstoy and our time]. Litsem. k. Hleu. s. Tolstoy; L. N. Tolstoy i nasha sovremennost'. Tula, Priokskoe knizhnoe izd-vo, 1966. 39 p.

Tolstoy lectures in Tula. M. P. Nikolsky. Uch. zap. Kol. gos. ped. inst. 43:181-189 '65

Zhislin, S. S. [Kind light from afar, true stories about L. N. Tolstoy]. Dobryi svet izdaleka; novymyslennoye rasskazy o L. N. Tolstoy, Moskva, Sovetskii pisatel', 1966. 254 p.

# TOLUENE

Determination of butylhydroxytoluene in nystatin. V. B. Kochagin, G. B. Loshin, V. I. Nirenberchik. Antibiotiki 11 no. 11 1047-1010 N '66

Determination of 2, 4- and 2, 6-dinitrotoluenes in a mixture. A. I. Kaminski, Z. A. Kazina, S. S. Gitis. Zhur. anal. khim., 21 no. 11 1389-1394 '66

Effect of surface-active substances on the formation of water sol. in humid hydrocarbon medium. B. V. Derlagin and others. Dokl. AN SSSR 171 no. 2:370-373 N '66

Quality and stability of toluol. L. I. Kollandr, G. M. Pomenko, L. S. Tsebril. Koka i khm. no. 10:38-40 '66

# TOLUENEDIAMINE—TOXICOLOGY

Toxicity of orthotoluidine and toluenediamine, the basic components of sewage resulting from the production of toluenediamine. P. S. Kralzman, N. S. Gorbani'. Vod., kan., gidr., soor. no. 1:108-115 '66

# TOLUIDINE

Sex differences in O-aminooctoluenes excretion in the mouse. G. A. Belitskii. Bih. okup. biol. i med. 55 no. 5:98-100 My. '63

# TOLUIDINE—TOXICOLOGY

Toxicity of N,N-dimethoxy-m-toluidine; short toxicological characteristics. G. N. Zueva, M. S. Tolgskan. Toks. nov. prom. khim. veshch. no. 8 147-151 '66

Toxicity of orthotoluidine and toluenediamine, the basic components of sewage resulting from the production of toluenediamine. P. S. Kralzman, N. S. Gorbani'. Vod., kan., gidr., soor. no. 1:108-115 '66

# TOL'YATTI (KUYBYSHEV PROVINCE)—AUTOMOBILE INDUSTRY

A new automobile plant on the Volga. V. Poliakov. Agitator 34 no. 21 50 D '66

# TOM' VALLEY—PETROGLYPHS

Maitynov, A. I. [Canoeing to the land of our forefathers]. Lokki - v strann. predkov [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1966. 35 p. illus

# TOMATO BREEDING

Effect of preliminary grafting on the growth of pollen tubes in crossing tomato with the black nightshade. L. A. Samsonova. Trudy Inst. gen. no. 26 93-97 '62

Investigation of the characters of two pollinizers in tomatoes pollinated with mixed pollen. M. R. Makhlova. Trudy Inst. gen. no. 26 53-61 '62

Principles of selecting parent material in breeding early tomato hybrids. O. I. Elna. Trudy Inst. gen. no. 26 117-122 '62

# TOMATOES

Effect of trichloroacetic acid on the development and absorptive capacity of tomato roots. L. P. Moskalenko. Khim. v sel. khoz. 4 no. 12 13-39 D '66

Microflora in hydroponic and soil cultures of tomatoes. R. M. Uliashova. Mikrobiologiya 35 no. 5:871-877 S-O '66

Studying the progeny grown from seeds of tomato grafted on Cyphonandria. V. A. Vavchova. Trudy Inst. gen. no. 26 85-92 '62

# TOMATOES—DISEASES AND PESTS

(See also subdivision under Uzbekistan)

Effect of antifungal substances on the tomato tumors caused by Pseudomonas tumefaciens. A. D. Govesnikov. Mikrobiologiya 31 no. 5:827-831 S-O '62

# TOMATOES—FERTILIZERS AND MANURES

Effect of the forms of nitrogen fertilizers on the yield of tomatoes in bog and Sierozem-brown soils. A. A. Guseinov. Agrokhimia no. 12:15-17 D '66

# TOMATOES—VARIETIES

Some characteristics of the tetraploid forms of common tomato (Lycopersicon esculentum Mill.). T. I. Solov'eva. Sbor. trud. asp. inol. nauch. sotr. VUr no. 2 188-208 '61

# TOMIN, NIKOLAI DMITRIYEVICH, 1886-1924

N. D. Tomin. V. Dushen'kin. Voenn. ist. zhur. 8 no. 12: 119-123 D '66

Plushchev, V. A. Nikolai Tomin, Moskva, Voenizdat, 1960. 146 p. (Sovetskoe polkovoditay i voennachal'niki)

# TOMSK—TELEVISION AND SCIENCE

Propaganda of scientific knowledge. G. Pytlakov. Sov. radio i tel. 8 no. 3:13 '59

# TOMSK PROVINCE—LOAM SOILS

Using loam soils of Tomsk Province for making kaolinit. A. V. Petrov. Izv. vye. ucheb. zav., stroit. i akh. 9 no. 9:57-61 '66

# TOMSK PROVINCE—PETROLEUM INDUSTRY—CONGRESSES

Conference on the winning and utilization of petroleum and gas in Tomsk Province. G. I. Kaz'min. Khim. i tekhn. topl. i masel 11 no. 12:57-58 D '66

# TONGUE—CANCER

Balmukanova, S. Sh., and M. K. Musagaliyev. [Prevention of cancer of the oral cavity and tongue]. Profilaktika raka polosti rta i iazyka, Alma-Ata, "Kazakhstan," 1966. 20 p.

(DNLM) Results of treating cancer of the tongue and the mucous cavity of the mouth by a combined method with the use of radioactive cobalt. I. M. Votavtsov. Khim. onk. no. 1 34-39 '65

# TONGUE—DISEASES

State of the nervous system in glossodynia. R. Kh. Maksudova, E. I. Gohova, Zhur. nevro-i psikh. 83 no. 1: 27-30 '63

# TONGUE—SURGERY

Significance of the extraorganic portion of the lingual artery in surgery for tumors of the tongue. P. A. Ezau. Khirurgiya 42 no. 11:129-130 N '66

# TONGUE—TUMORS

Significance of the extraorganic portion of the lingual artery in surgery for tumors of the tongue. P. A. Ezau. Khirurgiya 42 no. 11:129-130 N '66

## TONSILS—DISEASES

Diagnostic and prognostic value of the urine color sedimentation test and the reaction of comparative leukocytosis of the blood in the treatment of chronic tonsillitis in children. L. V. Shakhmurov. *Archieb med zhur* 40 no 1 93-96 Ap '63

Effectiveness of roentgenotherapy of chronic tonsillitis based on data of cytological contents of lacunae and allergic skin reactions. R. A. Gritul', I. A. D. Iussionzhnik. *Vestnik i med* 37 no 3 72-73 My-Je '62

## TOOL AND DIE INDUSTRY—MANAGEMENT

A branch of industry enters the field of the economic reform. K. V. Rodnev. *Kommunist* 49 no 1 7-13 Ja '67

## TOOLS

Blin, B., and N. Dobrzinskii. [Diamond abrasive tools in the machinery industry]. *Almazno-abrazivnyi Institut v mashinostroenii*. Riga, Latvian SSR, in-t nauchno-tekhn. informatsii i propagandy, 1966. 58 p.

## TOPATA REGION (KAMCHATKA)—HERRING

The Fopita herring stock. V. G. Prokhorov. *Vop geog Kanch* no 3 115-116 '65

## TOPOGRAPHIC MAPS

Using topographic maps on a scale of 1:10,000 for calculating work plans on irrigated land. I. K. Neumyvakin. *Izv vys ucheb zav. geod i aerof.* no. 3:21-27 '62

## TOPOGRAPHICAL SURVEYING

Theorem in error adjustment. E. V. Popova. *Izv. vys. ucheb zav. geod i aerof.* no. 3:29-33 '62

## TOPOGRAPHICAL SURVEYING—EQUIPMENT AND SUPPLIES

Modernizing the processes and design of the S7D-2 topographic stenciler. G. D. Fedoruk. *Izv. vys. ucheb zav. geod i aerof.* no 1 97-107 '63

## TOPOGRAPHY

Voronov, A. A. [Topographical manual for tourists]. *Spravochnik turistov po topografi*. Minsk, Adveleskoe knizhnoe izd-vo, 1963. 108 p. [MICROFILM]

## TOPOLOGY

Limits of molecular measures in certain spaces. I. A. Buzanskii. *Dokl AN SSSR* 171 no 2 231-253 N '66

Methods for introducing topology into random metric spaces. D. Kh. Mushtari, A. N. Shernstev. *Izv. vys. ucheb zav. mat* no 6 99-106 '66

## TORQUE—MEASUREMENT

Measuring crankshaft torque of a heavy machine with a branched force flux. V. A. Zdobych. *Vest mashinost.* 16 no 12 35-36 D '66

## TORSION

Gorelov, L. K. [Torsion, theory and problems. Methods manual on the strength of materials]. *Krucheniye, teoriya i zadachi*. Uchebno-metodicheskoe posobie po soprotivleniyu materialov. Moskva, Mosk. slankoinstrumental'nyi in-t, 1964. 39 p. [MICROFILM]

## TORTOISE BEETLES—EXTERMINATION

Sugar beet tortoise beetle. E. Mats. *Zashch rast* 11 no 12 28 '66

## TOTINA (VOLOGDA PROVINCE)—MANUSCRIPTS

Report on the archival expedition to the Krasnohorst District, Archangel Province and the city of Totina, Vologda Province in 1960. A. M. Panchenko. *Trudy ODRL* 18, 426-431 '62

## TOURISM

(see also subdivision under Caucasus)

Organizing tourist excursion transportation. A. A. Chernysh, N. V. Pravdin. *Zhel. dor. transp.* 48 no 7: 34-36 Ji '66

Outside the red borders. A. Igiltsev. *V mire knig* 5 no 10:23 O '66

## TOWING

Approximate determination of the drift angle of cargo motor ships and pusher tug trains. P. V. Malyi. *Trudy LVT* no 81 135-139 '65

## TOXEMIA

Role of the reactivity of the organism in the development and characteristics of the course of chronic intoxications in children. R. A. Koluzhnia. *Vest AMN SSSR* 17 no 10:59-67 '62

## TOXINS AND ANTITOXINS

Constants of the rate of erythrocyte lysis by the toxin of *Clostridium perfringens* type A in various animals. N. E. Sinadskii, I. G. Polozova. *Zhur. mikrobiol., epid. i immun* 33 no 6:115-117 Je '62

Effect of oxidation and phosphorylation processes disturbance on sensitivity of irradiated animals to microbial toxins. P. N. Kiselev, V. N. Sivertseva. *Radioobiologiya* 6 no 5 763-765 '66

Effect of Pasteurella pestis toxin on the histaminopeptic effect of the blood in white rats and guinea pigs. I. V. Domatadskii, V. I. Kuzmina. *Bull ekp biol i med* 75 no 5 48-51 My '63

Intensification of therapy of staphylococcal infections. S. I. Dan. *Zhur. mikrobiol., epid i immun* 33 no 6: 111-115 Je '62

Study on some factors influencing the authenticity of botulin and tetanus antitoxin titers following the flocculation reaction. A. A. Vorob'ev, Z. A. Voronova. *Zhur. mikrobiol., epid i immun* 33 no 6:77-81 Je '62

## TOXOPLASMOSIS

(see also subdivision under Bukovina)

Echthyma syndrome in a patient with toxoplasmosis. B. I. Krasnov, I. S. Kamenetskii. *Vest derm i ven* 37 no 3:56-58 Mi '63

Epidemiological characteristics of toxoplasmosis. S. I. Komalova. *Zhur. mikrobiol., epid i immun* 43 no 11: 111-143 N '66

Experimental toxoplasmosis in reindeer. V. V. Kilychev, G. I. Kuznetsov, E. S. Karanovskii. *Veterinariia* 43 no 11:43-45 N '66

Incidence of toxoplasmosis in congenital human deformities. O. A. Svatukhina. *Sov med* 29 no 12 111-111 D '66

Infection of animals with toxoplasmosis. I. G. Galuzo. *Veterinariia* 43 no 11:10-12 N '66

Review of the book "Problems of toxoplasmosis". S. P. Knopov. *Med paraz i parazitobol.* 32 no 2:228-229 Mi-Ap '63

Role of toxoplasmosis in changes in the nervous system in congenital defects of the heart and large vessels in children. R. A. Kovaneva, M. A. Pionina, N. A. Bykova. *Vest AMN SSSR* 17 no 10:40-44 '62

Study of toxoplasmosis, review of literature. A. N. Guseinov, T. G. Shinnova. *Azerb. med. zhur.* 10 no 2 3-7 F '63

Znaukhin, D. N., ed. [Diagnosis of toxoplasmosis]. *Diagnosifika toksoplazmoza*. Moskva, Meditsina, 1966. 180 p. (Biblioteka prakticheskogo vracha) (DNLN)

## TOYS

(see also subdivision under Dymkovo, Khov Province)

Rattles. I. U. Maksimov. *Doshk. voap.* 30 no 12:89-90 D '66

## TRACE ELEMENTS

(see also subdivision under Black Sea; Polesye, Ural Mountains)

Study of some representatives of the genus *Pulmonaria* for their content of trace elements. N. I. G. Inkevich. *Apt delo* 12 no 1:27-30 Ja-F '63

TRACE ELEMENTS—EFFECT ON PLANTS see Plants, Effect of trace elements on

## TRACE ELEMENTS—PHYSIOLOGICAL EFFECT

Effect of complex compounds of microelements on intensity of C<sup>14</sup>-glycine inclusion into gamma globulin and antibodies of nonirradiated and irradiated rats. A. I. Nikolaev, S. M. Khalifaev, Kh. R. Mukhammedzhanov. *Radiobiologiya* 6 no 6:802-803 '66

Effect of nonspecific gamma globulin and trace elements on reserve alkalinity in the blood of calves. M. E. Kondrat'ev. *Veterinariia* 43 no 12:58-60 D '66

Effect of trace elements on the course of brucellosis. K. V. Shumilov. *Veterinariia* 43 no 1:34-36 Ja '67

## TRACERS (BIOLOGY)

Radionuclide investigation of salivary glands with the aid of radioactive iodine. L. A. Iudin. *Med. rad.* 7 no 8: 3-11 Ag '62

## TRACHEA—CANCER

Resection of the carina of the tracheal bifurcation and medial walls of both main bronchi with subtototracheal pneumoectomy for malignant adenoma. N. D. Garin, I. A. Maksimov. *Khirurgiya* 40 no 11:81-84 N '66

## TRACTION ENGINES

D. C. traction motors without commutators. B. K. Baranov, B. R. Bondarenko. *Zhel. dor. transp.* 48 no 10: 51-54 O '66

TRACTOR INDUSTRY see subdivision under Leningrad

TRACTOR INDUSTRY—COSTS see subdivision under Kharkov

TRACTOR INDUSTRY—FINANCE see subdivision under Gomei

## TRACTORS

Advanced design of tractors; seminar. Inform. blul. VDNKH no 8:10-11 Ag '62

Features of surface tillage and tractor work. Kh. Pechonyi. *Ekon. sel'khoz.* 42 no 11:60-70 N '66

[A manual for the tractorist]. *Posobie traktoristu*. Izd. 3, perer. i dop. Moskva, Mashinostroenie, 1966. 614 p. (DNA)

Operational reliability indices of the "Kirovets" K-700 tractor. M. A. Khalifa, G. G. Gerasimov. *Trakt. i sel'khoz. mash.* no 12 1-4 D '66

Power supply for reclaiming new areas in the Kolchikh Lowland. G. V. Kvitshnash. *Subst. op. kul'* no 3: 145-156 '66

Some characteristics of traction calculations for a timber-splidding tractor. S. P. Zolot. *Trakt i sel'khoz. mash.* no 12 10-11 D '66

Some requirements for a self-propelled chassis used on irrigated cotton farms. S. V. Ampievskii, M. S. Pak. *Nauch. trudy UZNIIM* no 5 3-7 '60

Use of speed reducers on foreign tractors. M. I. Vinnik. *Stroitel. doimash.* 8 no 6:19-20 Ju '63

## TRACTORS—DYNAMICS

Distribution of torque among axles of a tractor of increased loadability. V. E. Gorodkov. *Zap. LSKH* 96:26-32 '66

Effect of the frontal driving axle on the dynamics of the turning of a tractor. M. S. Gorbunov, V. I. Ivanov. *Zap. LSKH* 96:62-68 '65

## TRACTORS—ENGINES

Apparatus for the automatic control of the speed system of a tractor engine and mechanical calculation of its operation. P. E. Avsyan. *Zap. LSKH* 96:129-136 '65

Determining the load of a tractor engine on the tilted pressure. A. S. Rehtin. *Zap. LSKH* 96:39-41 '65

## TRACTORS—FUEL SYSTEMS

Causes of the coking of the nozzle orifices of the fuel injectors of the engines designed by the Vladimir Tractor Plant (A. I. Edel'man and others). *Trakt. i sel'khoz. mash.* no 12 4-7 D '66

## TRACTORS—HYDRAULIC EQUIPMENT

Dynamics of the automatic hydraulic amplifier of adhesion weight. A. A. Grombchevskii. *Zap. LSKH* 96:117-124 '65

## TRACTORS—TESTING

Studying a transistorized integrator for agricultural electric measurement devices. A. L. Melin. *Trudy GRUZNIMFSA* 8 no 2 98-106 '62

## TRACTORS—TRANSMISSION DEVICES

Automatic control of the progressive friction transmission of a wheeled tractor. A. I. Litvinov. *Zap. LSKH* 96:113-116 '65

TRADE UNION LIBRARIES see Libraries, Trade union

## TRADE UNIONS

(see also subdivision under Caribbean Area; Central America, Kalach District; Kazakhstan; Maritime Territory, Minsk Province; South America; Taimyr National Area, Tuva A. S. S. R.; Ukraine; United States)

Bochkova, I. N., and M. I. Tsvetov. [Rights and duties of the trade union committee]. *Pravny i obiazannosti komiteta profsoyuzov*. [Moskva] Profizdat, 1966. 78 p. (Biblioteka sel'skogo profsoyuznogo aktivista, 12(60))

The construction committee of trade union takes care of that. A. Borisov. *Sov. profsoyuzy* 22 no 2:25-26 D '66

[Decisions of the All-Union Central Council of Trade Unions]. *Sbor. post. VTSSPS* Ap-Je '66

Grazdov, V. P. [Trade-union committee and collective farm management]. *Komit profsoyuzov i pravleniye kol'khozov*. [Moskva] Profizdat, 1966. 37 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no 17(55))

Kovtun, P. I. [We have rich harvests every year]. *U nas kazhdyi god vysokie urozhai*. [Moskva] Profizdat, 1966. 40 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no 21(60))

Our support. I. Besedn. *Sov. shakht.* 12 no 4:21 Ap '63

Ovsyov, A. Ia. [Housing and service industries on a state farm]. *Zhukhshchno-bytovaya rabota v sovkhooze*. [Moskva] Profizdat, 1966. 60 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no 24(72))

[Participation of trade unions in land improvement]. *Uchaschiye profsoyuzov v melioratsii zemel'*. [Moskva] Profizdat, 1966. 46 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no 18(53))

Participation of trade unions in the review of judicial decisions by reason of newly discovered circumstances. M. I. Shchepin. *Pravovaya voyna* no 1 103-109 '65

Point of the application of efforts. I. Melenevskii. *Sov. profsoyuzy* 22 no 23:15-17 D '66

Regulation on the technical inspector of trade unions. *Okhr. tuda i sots. strakh.* 8 no 12:20-23 D '66

Reports and elections of trade-union organs. *Sov. profsoyuzy* 22 no 23:2-7 D '66

Self-will. M. Shapiro. *Sov. shakht.* 12 no 4:25 Ap '63

Sergeeva, Z. V. [Workers' trade union committee and establishing work norms on state farms]. *Rabochkom i normirovaniye trudn v sovkhoozakh*. [Moskva] Profizdat, 1966. 46 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no 20(59))

Trade-union cultural organs on the eve of the 50th anniversary of the Great October. *Neflanik* 11 no 11:10-19 N '66

Trade unions are active participants in the national struggle for the further upsurge in agriculture. *Temel' No. 4*. *Sov. profsoyuzy* 22 no 24:20-33 D '66

**TRADE UNIONS—CONGRESSES**  
Fourth Plenum of the Central Committee of the Trade Union Sovshakht 12 no 132 Ap '63

**Results of the 3d International Conference of Trade Unions of Workers of the Textile, Clothing, Leather, and Footwear Industries A.L. Vainskaya Tekst. prom 26 no 12 69-70 D '66.**

**TRADE UNIONS—RECORDS**  
Karelnia, R.N. [Trade-union documentation of the workers' committee] Profsojuznoe khozjalstvo rabochkoma. [Moskva] Profizdat, 1966. 29 p. (Biblioteka selskogo profsojuznogo aktivista, no. 10(58))

**TRADEMARKS**  
Firms and trademarks G Rubtsov Sots. zakon 43 no. 12-41-42 D '66.  
Inventions, industrial samples, trademarks Izobr., izобр., izобр., izобр., nos. 1-2 '87.

**TRAFFIC ENGINEERING** see subdivision under Leningrad, Moscow

**TRAFFIC SAFETY**  
Poliev, M.K. [Ways for increasing traffic safety in automotive transportation] Puti povysheniya bezopasnosti dvizheniya avtomobil'nogo transporta, Moskva, Vysshaya shkola, 1965. 83 p. [MICROFILM]  
Traffic organization and safety Avi transp. 11 no 7 47-50 31 '63

**TRAINING OF EMPLOYEES** see Employees, Training of

**TRAINING OF TEACHERS** see Teachers, Training of

**TRANQUILIZING DRUGS**  
Treatment of schizophrenia with galomolozon (20-28 MD) G.I.A. Avrutskii, I.A. Gurovich, I.I. A. Aleksandrovskii Zhur. nerv. i psikh. 63 no 1:87-91 '63

**TRANSAMINASES**  
Activity of serum transaminases in epidemic hepatitis in children K.A. Amudzhanov, Azerb. med. zhur. no 3 60-65 Ag '62  
Changes in the activity of some blood serum enzymes under the effect of strong stimuli on the body M.L. Belen'kii, A.P. Bliguz, I.A. Ia, Shuster. Zh. eksp. biol. i med. 55 no. 5:67-69 My '63.  
Clinical significance of transaminase and phosphatase enzymes in Bick's disease. N.B. Tuglieva, Azerb. med. zhur. 40 no 1:32-38 Ap '63  
Comparative study of aspartate aminotransferase in mitochondria and in soluble part of liver cells of mice and some mouse hepatomas T.N. Kopylova-Svidova, V.L. Nemchinskaya Tsitol. 6 no 5:672-675 S-O '66.  
Interrelations between the enzyme catalyzing direct amination of pyruvic acid and the transaminase in the structural elements of cells of the rat myocardium M.A. Davtian. Biokhimiia 27 no 5:899-903 S-O '62.  
Possible significance of the inhibition of pyruvate carboxylase in the mechanism of apomorphine effect M.L. Belen'kii, M. Vitolina, R. Vitolina, Trudy LPMI no 32 15-21 '65  
Substrate specificity of dextin 1-glycosyl-transferase. A.N. Petrova. Biokhimiia 27 no 5:897-898 S-O '62.

**TRANSAIKALIA—ADMINISTRATIVE AND POLITICAL DIVISIONS**  
Some problems in establishing local administrative and economic regions in northern Transbaikalia, IU P. Mikhailov. Dokl. Inst. geog. Sib. i Dal', Vost. no 9 41-52 '65.

**TRANSAIKALIA—COMMUNIST YOUTH LEAGUE**  
[Millant youth; articles, sketches, and recollections about Transbaikalian Komsomols of the twenties] Dvoina molodost'; shtat', ocherk, vospominaniia o zabavnoi skoi komsomol't dvadtsiatykh godov. [Irkutsk] Vostochno-Sibirskoe knizhnoe izd-vo, 1965. 109 p. (III)

**TRANSAIKALIA—CORDIERITE**  
Quartz-cordierite symplectites in Archean rocks of northeastern Transbaikalia V.I. Shul'giner Izv. AN SSSR, Ser. geol. 31 no 12:60-73 D '66

**TRANSAIKALIA—ECONOMIC GEOGRAPHY**  
Some problems in establishing local administrative and economic regions in northern Transbaikalia, IU P. Mikhailov. Dokl. Inst. geog. Sib. i Dal', Vost. no 9 41-52 '65

**TRANSAIKALIA—FLUORSPAR**  
Some characteristics of formation of Solnechnoye fluorite deposit (eastern Transbaikalia) A.A. Cherepanov, G.G. Grushkin Geol. i geofiz. no 9:83-93 '66

**TRANSAIKALIA—GEOLOGY, STRATIGRAPHIC**  
New data on stratigraphic position of Zun-Murim series (western Transbaikalia) V.G. Belichenko and others Geol. i geofiz. no 9:130-133 '66

**TRANSAIKALIA—GEOLOGY, STRUCTURAL**  
Tectonic characteristics of Upper Mesozoic troughs in eastern Transbaikalia IU P. Pletsov Geol. i geofiz. no 9:72-65 '63

**TRANSAIKALIA—GRANITE**  
Petrographic and mineralogical characteristics of the hybridism in the granite of the Uda Massif (eastern Transbaikalia) V.B. Vasil'ko Geol. i geofiz. no 11 58-70 '63

**TRANSAIKALIA—HEMIPTERA, FOSSIL**  
New Mesozoic aquatic bugs (Heteroptera, Coreidae) from Transbaikalia IU A. Popov Paleont. zhur. no 4 97-101 '66

**TRANSAIKALIA—LEGENDS**  
Archeol. Avvakum in oral legends of Transbaikalia. I.E. Eliseev. Trudy ODRL 18 351-352 '62

**TRANSAIKALIA—MAPS, PHYSICAL**  
General landscape mapping based on the integration of elementary geographical systems. V.B. Sechina, V.S. Mikhuev, V.A. Riasnin. Dokl. Inst. geog. Sib. i Dal' Vost. no. 10, 9-22 '65.  
Methods and results of mapping the seasonal dynamics of the landscapes of Transbaikalia. L.N. Gvozdek, IU P. Mikhailov. Dokl. Inst. geog. Sib. i Dal' Vost. no. 10:23-31 '65

**TRANSAIKALIA—QUARTZ**  
Quartz-cordierite symplectites in Archean rocks of northeastern Transbaikalia V.I. Shul'giner Izv. AN SSSR, Ser. geol. 31 no 12:60-73 D '66

**TRANSAIKALIA—ROCKS, IGNEOUS—ANALYSIS**  
Possible parent average composition of magma in southwestern Transbaikalia V.I. Saltykovskii Izv. AN SSSR, Ser. geol. 31 no 12:53-59 D '66

**TRANSAIKALIA—STEPPE FLORA**  
Gorskova, A.A. [Biology of steppe pasture plants in Transbaikalia] Biologiya stepnykh pastbishchnykh rastenii Zabaikalia Moskva, Nauka, 1966. 271 p. (DNL)

**TRANSCARPATIA—GEOLOGY, STRUCTURAL**  
New data on basement of Neogene Trough in Transcarpathia M.I. Petrashevskiy, I.A. V. Sovchik, O.V. Shakin Dop. AN URSR no 11 1481-1483 '66  
Tectonic zoning of Transcarpathia on basis of rated values of magnetization intensity V.I. Khomenko Nauch. zap. LPI no 80:163-170 '62

**TRANSCARPATIA—GEOLOGY, STRUCTURAL—MAPS**  
Using geophysical methods for geologic mapping in Transcarpathia V.G. Lizanets Nauch. zap. LPI no 80:139-147 '62

**TRANSCARPATIA—PETROLEUM GEOLOGY**  
New data on basement of Neogene Trough in Transcarpathia M.I. Petrashevskiy, I.A. V. Sovchik, O.V. Shakin Dop. AN URSR no 11:1481-1483 '66

**TRANSCARPATIA—ROCK SALT**  
New data on rock salt flow in Transcarpathia. V.I. Kityk. Dop. AN URSR no 11:1489-1492 '62

**TRANSCARPATIA—RURAL CONSTRUCTION**  
Rural construction in Transcarpathia. V. Zapol'skii, Stroi. i arkh. 14 no 11:25-26 N '66.

**TRANSCAUCASIA—ALGAE, FOSSIL**  
Morphology and systematic situation of Paleozoic alga Pseudovetmiporella K.B. Korde, Paleont. zhur. no. 4:86-91 '66

**TRANSCAUCASIA—ARCHITECTURE AND CLIMATE**  
Open spaces in residences in Transcaucasia, K. Murkova. Zh. strel. no. 10 22-21 '66.

**TRANSCAUCASIA—ATMOSPHERE**  
Relationship between atmospheric processes in Transcaucasia and planetary upper front zones in Northern Hemisphere. K.I. Poplavskii Trudy ZaknigMI no 11: 3-41 '63

**TRANSCAUCASIA—AVALANCHES**  
Meteorological conditions governing formation of snow avalanches in mountains of Transcaucasia V.Sh. TSomalia Trudy ZaknigMI no 11:112-123 '63.

**TRANSCAUCASIA—COMMUNISM**  
Galolov, Galust. [Against the falsification of the history of the socialist revolution and the building of communism in Transcaucasia. P. otv. fa'sifikatsii istorii socialisticheskoi revoliutsii i kommunistscheskogo stroitel'stva v Zakavkaz'e. Erevan, Armjanskoe gos. izd-vo] 1961 404 p. [In Armenian]

**TRANSCAUCASIA—ELECTRIC LINES**  
Investigating automatic nonsynchronous reclosing of a 330 kw. electric transmission line of the Transcaucasian power system. F.G. Guseinov. Za tekhn. prog. 6 no. 12:16-23 D '66.

**TRANSCAUCASIA—FLOOD FORECASTING**  
Short-range forecast for discharge of water in period of spring floods for rivers in eastern regions of Transcaucasia V.F. Potlepa Trudy ZaknigMI no 11:124-131 '63

**TRANSCAUCASIA—ICE ON RIVERS, LAKES, ETC.**  
Conditions governing formation of frazil on rivers of Transcaucasia and methodology of forecasting it V.Sh. TSomalia Trudy ZaknigMI no 11:132-140 '63

**TRANSCAUCASIA—LABOR AND LABORING CLASSES**  
History of the Soviet laboring classes of Transcaucasia and Daghestan N.G. Kadyrova Ist. SSSR 10 no 6 208-210 N-D '66

**TRANSCAUCASIA—RIVERS**  
Short-range forecast for discharge of water in period of spring floods for rivers in eastern regions of Transcaucasia V.F. Potlepa Trudy ZaknigMI no 11:124-131 '63

**TRANSCAUCASIA—SURGEY—CONGRESSES**  
Results of the Sixth Conference of surgeons of the Transcaucasian Republics Z.M. Mamedov, G.F. Aliev, G.A. Tagiev, Azerb. med. zhur. 10 no 3:88-100 M Mr '63.

**TRANSCAUCASIA—TELLURIUM**  
New data on tellurium minerals in a copper pyrite deposit in Transcaucasia, E.I. Vlasovskaya, A.K. Avgitov, Izv. vys. ucheb. zav. geol. i razv. 6 no 1:51-60 Ja '63

**TRANSDUCERS**  
Analysis of composite electromechanical transducers. A.S. Pizlo Teor. i ekspt. tekhn. no 1:59-66 '66  
Capacitive transducer-micromanometer, V.B. Kasimov, L.I. Kul'min, S.S. Shushkevich Avtomat. no 5 71-75 '66.  
Forgett, Jindrich. [Capacitive transducers of nonelectrical values. Translation from the Czech] Emkostnye datchiki neelektricheskikh velichin. Moskva, Energiia, 1966. 159 p. (Biblioteka po avtomatike, no. 213)  
New strain-gauge-type pressure transducers. R.I. Vinogradov Izv. tekhn. no. 6 20-25 Je '62.  
Use of an electromechanical registration technique in the study of internal processes in automatic brake air distributors D.E. Karimovskii, V.I. Roznikov Izv. vys. ucheb. zav. tekhn. i mekh. 9 no. 11:1288-1290 '66.

**TRANSFERASES** see Transaminases

**TRANSFORMATIONS (MATHEMATICS)**  
Absolute continuity of measures, corresponding to Gaussian processes in linear transformations A.D. Shatashvili Trudy Vych. isesti a AN Gruz. SSR 3 211-268 '62

**TRANSIENTS (DYNAMICS)**  
Rozenfeld, A.S., and D.L. Akhinson. [Transient and generalized functions] Pei ekhodnye p'otsesty i obobshchennyye funktsii. Moskva, Nauka, 1966. 440 p

**TRANSIENTS (ELECTRICITY)**  
Mathematical modeling of electromechanical transition of a synchronous generator with rectifier load A.P. Tzipkin, Izv. vys. ucheb. zav. elektromekh. 9 no 11 1246-1253 '66.  
Simplification of complex electric systems for the analysis of transient processes N.D. Ishdarov Za tekhn. prog. 6 no 12:23-26 D '66

**TRANSIENTS (ELECTRICITY)—MATHEMATICAL MODELS**  
Mathematical model studies of transient processes in a electric propelling machinery B.S. Rumiantsev Sudostroenie 28 no 12:33-38 D '62

**TRANSISTOR AMPLIFIERS**  
Calculation of the thermal operation of power transistors in a push-pull class-B transistor amplifier IU L. Neiman, Izv. vys. ucheb. zav. radiotekh. 9 no 5:656-664 S-O '65  
Transistorized reproducing preamplifier for FM channels of video tape recorders. L.G. Lishin Trudy VNIIT no. 1:97-99 '61.

**TRANSISTOR AMPLIFIERS—NOISE**  
Effect of the frequency characteristics form on the noise of the reproducing amplifier of a tape recorder. L.G. Lishin. Trudy VNIIT no. 1:100-108 '61.

**TRANSISTOR CIRCUITS**  
Reactive methods for analyzing d.c. transistor circuits, V.M. Bundarenko Teor. elektrotekh. no. 1:80-91 '66.  
Parallel operation of thyristors. R.O. Zahrodskii, IU. M. Bykov Elektrotehnika 37 no. 12:32-34 D '66.  
[Semiconductor devices and their applications] Poluprovodnikovyye pribory i ikh primeneniye; sbornik statei. Pod red. I.A.A. Fedotova, Moskva, Sovetskoe radio. No. 16. 1966. 263 p.  
Study of overload carrying capacity of VDKU-series thyristors. I.S. Efremov and others Elektrotehnika 37 no 12:31-36 D '66.  
Transistor model of nonlinear capacitance IU. P. Rodionov, I. P. Stepanenko, V. P. Tarasov Izv. vys. ucheb. zav. radiotekh. 9 no 6:735-741 N-D '66

TRANSISTOR OSCILLATORS see Oscillators, Transistor

## TRANSISTORS

Formal approximation of voltammetric characteristic of field-effect transistors. V. P. Popov. Radiotekhnika i elektronika 11 no. 11:2089-2089 N '66

Gavrilov, S. A., and I. D. Abuzgauz. [Semiconductor devices with negative impedance] Poluprovodnikovye pribory s otritsatel'nym soprotivleniem. Moskva, Energiya, 1966, 239 p.

Picots. Determination of the basic characteristics of low-power regulated silicon rectifiers. S. A. Nacharian, Zap. LSKH 96:147-149 '63

## TRANSISTORS—SAFETY MEASURES

High-speed fuses with liquid cooling. R. S. Khmel'nitskii. Elektrotehnika 37 no. 12:42-45 D '66

## TRANSITION METAL CARBIDES

Formation of stable electronic configurations and some physical properties of carbides and nitrides of transition metals in the region of their homogeneity. A. I. A. Kuchma, G. V. Samsonov. Izv. AN SSSR. Neorg. mat. 2 no. 11:1970-1974 N '66

## TRANSITION METAL COMPOUNDS

Electric properties and microhardness of some transition metal germanides. V. S. Neshpor, S. M. L'vov. Dop. AN URSR no. 11:1451-1453 '62

Energy of complex compounds of transition metals from the standpoint of the theory of ligands. K. B. Iatsimskii. Zhur. neorg. khim. 11 no. 11:2420-2436 N '66

## TRANSITION METAL NITRIDES

Formation of stable electronic configurations and some physical properties of carbides and nitrides of transition metals in the region of their homogeneity. A. I. A. Kuchma, G. V. Samsonov. Izv. AN SSSR. Neorg. mat. 2 no. 11:1970-1974 N '66

## TRANSITION METAL OXIDES—THERMAL PROPERTIES

Regularities in changes of some thermal properties of oxides. I. A. S. Malakhov, G. V. Samsonov. Izv. AN SSSR. Neorg. mat. 2 no. 12:2162-2167 D '66

## TRANSITION METALS

Effect of transition elements of Fourth Period and Cu on structure and physical properties of alloys based on NiMn compound. I. A. Bokshitskii and others. Dokl. AN SSSR 171 no. 2:320-323 N '66

## TRANSPLANTATION OF ORGANS, TISSUES, ETC.

Role of nerve elements in restoration of functions. V. V. Shvachov, V. A. Poliansov, M. A. Shuster. Trudy i-go MMI 40:246-250 '66

## TRANSPLANTATION OF ORGANS, TISSUES, ETC.—COMPLICATIONS AND SEQUELAE

Morphological characteristics of homotransplants of small intestine in dogs. N. A. Bykova, V. P. Kulik. Trudy i-go MMI 40:145-152 '66

Some problems in the clinical course of the syndrome of extremity replantation. G. S. Lipovetskii and others. Trudy i-go MMI 40:171-177 '66

Some problems of the pathogenesis of the syndrome of extremity replantation: preliminary report. G. S. Lipovetskii. Trudy i-go MMI 40:178-185 '66

## TRANSPORT WORKERS see subdivision under Chuvashia

## TRANSPORTATION

(see also subdivision under Caucasus; Northern, Germany; East, Siberia; Eastern; Ukraine; White Russia)

Developing combined rail and water transportation. V. N. Vorob'ev. Zhel. dor. transp. 49 no. 7:33-34 J1 '66

## TRANSPORTATION—BUILDINGS AND STRUCTURES

Let's improve the construction of large-panel buildings for the construction industry. Transp. stroi. 11 no. 12:1-3 D '61

## TRANSPORTATION—COST OF OPERATION

Economic problems in the development of transportation. L. Chertkov. Kommunist 43 no. 1:47-50 Ja '67

## TRANSPORTATION—FINANCE

Significance of economic analysis in the approximate solution of some problems in optimal planning. F. F. Diderikha. Ekon. i mat. metod. 2 no. 6:808-822 N-D '65

## TRANSPORTATION—MANAGEMENT

Institut kompleksnykh transportnykh problem. [Problems in the improvement of overall operation of transportation] Voprosy sovershenstvovaniia kompleksnoi ekspluatatsii transporta. Pod red. A. V. Komarova, Moskva, Transport, 1966, 316 p. (Ita, Trudy) Skalov, K. Yu. ed. [Transportation junctions] Transportnye uzly. Moskva, Transport, 1966, 507 p.

## TRANSPORTATION, AUTOMOTIVE

(see also subdivision under Dneprodzerzhinsk; Georgia)

A great power. A. Krylov. Avi. transp. 41 no. 7:12-13 J1 '63

High awards to automotive transportation workers.

Avi. transp. 41 no. 12:4 D '66

Information. Avi. transp. 41 no. 7:59-60 J1 '63

Initiative, creative activity, knowledge. A. Lomanov, P. Podol'shnyi. Avi. transp. 41 no. 7:8-9 J1 '63

Moscow festival of motor-vehicle drivers. O. Chirkhin, Avi. transp. 44 no. 12:52-54 D '66

Readers' letters. Avi. transp. 41 no. 7:54-55 J1 '63

Some operating indices for automotive transportation units, repair enterprises and motor vehicle plants, B. Levinson. Avi. transp. 41 no. 7:42-43 J1 '63

Work and education are inseparable. Avi. transp. 41 no. 7:1-3 J1 '63

Work should be a source of joy. Avi. transp. 41 no. 7:6-7 J1 '63

## TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

(see also subdivision under Donetsk Basin; Odessa; White Russia)

New system of planning and economic stimulation introduced in enterprises of automotive transportation.

I. Verkhovskii. Avi. transp. 41 no. 12:1-3 D '66

Once more about central dispatcher station and self-financing. B. Geronimus. Avi. transp. 44 no. 12:22-23 D '66

Poltev, M. K. [Ways for increasing traffic safety in automotive transportation] Puti povysheniia bezopasnosti dvizheniia avtomobil'nogo transporta. Moskva, Vysshnia shkola, 1965, 83 p.

[MICROFILM]

Scientific organization of labor in automotive transportation. Avi. transp. 41 no. 12:51 D '66

## TRANSPORTATION, AUTOMOTIVE—PASSENGER

### TRAFFIC

Secure the safety of passenger traffic. D. Dudnev. Avi. transp. 44 no. 12:5-7 D '66

## TRANSPORTER BRIDGES

Efficient flow sheets for waste stacking and parameters of mining systems during the operation of hauling and stacking machine complex. M. G. Novozhilov and others. Izv. vye uchob. zav. i gor. zhur. 6 no. 5:20-38 '63

## TRANSPORTER BRIDGES—DESIGN AND CONSTRUCTION

see subdivision under Dnepropetrovsk Province

## TRAUMATISM

Analysis of the causes of industrial traumatism in I vov-Volyn' mines. V. G. Diapin. Bezop. i zdav. v prom. 6 no. 5:10-12 My '62

## TRAUMATISM—CONGRESSES

Gor'kovskii nauchno-issledovatel'skii institut travmatologii i ortopedii. [Problems of Traumatology and orthopedics, materials for an out-of-town scientific conference] Voprosy travmatologii i ortopedii, materialy k vyvezdniu nauchnoi konferentsii Gor'kii, 1963, 238 p. (DNLM)

Ukrainskaia nauchno-prakticheskaia konferentsiia khirurgov det'skogo vozrasta, 2d. [Surgery, traumatology and orthopedics in childhood, transactions] Khirurgiia, travmatologiya i ortopediia det'skogo vozrasta, trudy, Kiev, Zdorov'ia, 1965, 272 p. (DNLM)

## TRAVELING-WAVE TUBES

Ostapenko, A. M. [Calculation and design of traveling-wave tubes, manual for course projects on superhigh frequency devices] Raschet i konstruirovaniye lamp besuchetnoy volny; posobie k kursovomu proektirovaniu po priboram sverkhvysokichk chasti. Red. I. V. Lebedev. Moskva, Mosk. energ. in-t, 1966, 112 p.

Saturation power and efficiency of a tube with composite delay system. M. I. Polgina. Izv. vye uchob. zav., radiotekh. 9 no. 5:676-678 S-O '66

Selection of optimum diameter of the transit channel of a traveling-wave tube. V. P. Taranenko, V. I. Shevchenko. Radiotekh. i elektronika 11 no. 11:1988-1993 N '66

## TRAWLS AND TRAWLING

(see also subdivision under Black Sea)

Comparing device for determining ship angles in the process of directed trawling at various depths. P. A. Starovolov. Trudy PINRO no. 13:26-56 '62

Pair-trawling in deep waters. I. P. Vorob'ev. Ryb. khoz. 42 no. 11:46-48 '66

Possibilities for the improvement of heating systems of steam power units on trawlers. L. P. Korshunov. Trudy Kal. tekhn. inst. ryb. prom. 15:119-128 '62

Stopping block of a new PSB-2 construction. B. U. Ukhvachov. Trudy PINRO no. 13:26-32 '62

## TRAWLS AND TRAWLING—EQUIPMENT AND SUPPLIES

Device for measuring horizontal opening of a trawl. O. R. Baibakov. Ryb. khoz. 42 no. 11:55-56 '66

## TREE FELLING

Pobeditskii, A. V. [Organization of tree felling in cuttings with young growth] Organizatsiia lesosochnykh rabot na lesosochkakh i podrostom. [Moskva] Vses. nauchno-issl. in-t lesosovetstva i mekhanizatsii lesnoy zhivl'stva, 1958, 16 p. (OrCS)

TREE PLANTING see subdivision under Soviet Central Asia

## TREE TOMATOES

Studying the progeny grown from seeds of tomato grafted on Cythomandra. V. A. Vnuchkova. Trudy Inst. gen. no. 26:85-92 '62

## TREES

Growth of Pinus pumila and Liriodendron tulipifera. A. G. Ostoumov. Vop. geog. Kameh. no. 3:129 '65

[Trees and shrubs of U.S.S.R.] Dorey'ia i kustarniki SSSR. [By] N. A. Borodina i dr. Moskva, Mysl', 1966, 637 p. (Spravochnik-opredelitel' geografa i puteshestvennika)

## TREHALOSE

Study of trehalose metabolism in the Chinese oak silkworm (Antheraea pernyi G.). T. A. Egorov, A. N. Smolna. Biokhimiia 27 no. 5:822-827 S-O '62

## TREMATODA

(see also subdivision under Georgia; Moldavia; Uzbekistan)

Development cycle of Gasithoxya crumenifer and prophylaxis of its infestation. V. F. Nikitin. Veterinaria 43 no. 12:37-39 D '66

Purified bithionol as effective anthelmintic in paramphistomatosis. N. G. Fedorenko, Veterinaria 43 no. 12:39-40 D '66

Some problems of the pathogenesis of dirocoeliasis. S. I. U. Aliev. Veterinaria 43 no. 12:41-42 D '66

Utilization of methods proposed by Chubb (in 1963) for making whole preparations from trematodes. I. A. Khilenovskii. Zool. zhur. 45 no. 11:1720-1721 '66

## TREMOR

Effect of substances interacting with cholinergic and adrenergic structures on nambul tremor in guinea pigs. N. V. Usakova. Trudy LPMI no. 32:150-164 '65

## TRENCHING MACHINERY

Work practices of machinery operators on power systems construction sites. G. A. Efremov, G. B. Rubberg. Energ. stroi. no. 3:71-79 '66

## TRET'IAKOV FAMILY

Magid, A. [History of a family; the Tret'iakov dynasty] Istoriia odnoi sem'i; dinastiia Tret'iakovykh. Moskva, Znaniia, 1964, 143 p. (Prochiti, tovarishchi)

## TRIALS (POLITICAL CRIMES AND OFFENSES) see subdivision under Ukraine, Western

## TRIALS (SABOTAGE)

Ideological and political training of the technicians and engineers educated in pre-revolutionary schools during the first five-year plan. L. I. Brodskii. Trudy LPI no. 261:65-79 '66

## TRIANGULATION

Certain technical and economic indices for triangulation. V. F. Pavlov. Izv. vye uchob. zav. i geod. i aerof. no. 1:127-133 '63

Evaluating the accuracy of planned triangulation nets. V. P. Kozlov. Izv. vye uchob. zav. i geod. i aerof. no. 1:31-36 '63

Using the Francis-Prianevich method for adjusting triangulation according to directions. B. B. Serapinas. Izv. vye uchob. zav. i geod. i aerof. no. 1:51-54 '63

## TRIAZINE

Study of triazine derivatives as plant growth regulators. Report No. 2. Effect of simazine and atrazine on the chlorophyll content in the leaves of field crops. S. M. Mashtakov, R. A. Prokhorchik. Dokl. AN BSSR 6 no. 5:517-520 Ag '62

TRIAZINE—EFFECT ON PLANTS see Plants, Effect of triazine on

## TRICHINA AND TRICHINOSIS

(see also subdivision under Komi A. S. S. R.; Kursk Province; Ternopol' Province)

New data on the study of migration and encapsulation of trichinella larvae in the host organisms. I. A. Berezantsev. Med. paraz. i paraz. bol. 32 no. 2:171-176 Mr-Apr '63

## TRICHOCEPHALIASIS

Results of treating trichocephalasis with heptylresorcinol, heptylresorcinol combined with methylone blue, and heptylresorcinol with oxygen; an abstract. E. I. Agnashvili, G. T. Loladze. Med. paraz. i paraz. bol. 31 no. 5:514 S-O '62

Search for new methods of treating trichocephalasis. N. P. Kravtsov. Med. paraz. i paraz. bol. 31 no. 5:524-528 S-O '62

Therapeutic activity of dithiazanine and its tolerance in trichocephalasis. N. N. Plotnikov, N. N. Ozeretskovskaya. Med. paraz. i paraz. bol. 31 no. 5:515-521 S-O '62

Treatment of trichocephalasis with naphthamone. N. S. Zait'ova, E. A. Zhitnikata, V. K. Karnaukhov. Med. paraz. i paraz. bol. 31 no. 5:522-524 S-O '62

## TRICHOGRAMMA see subdivision under Latvia

## TRICHOMONAS

Survival of *Trichomonas fetus* in frozen bull sperm.  
V. P. Parukov. Veterinarika 43 no. 11:77-78 N '66.

## TRICONTINENTAL SOLIDARITY CONFERENCE, HAVANA, 1966

Pan-Americanism and the "Tricontinental" IU Gvozdev. Nov. vrem. 25 no. 3:9-10 Ja '67  
Solidarity of three continents. Nov. vrem. 25 no. 2:1-2 Ja '67.

## TRIETHYLENE GLYCOL

Antioxidant additives to triethylene glycol. L. I. U. Zhafo and others. Khim. i tekhn. topl. i masel 11 no. 12:27-28 D '66

## TRILOBITES see subdivision under Siberian Platform; Tuva A. S. S. R.

## TRINIDAD-TOBAGO—POLITICS AND GOVERNMENT

Trinidad and Tobago. Agitator no. 10.22 S '62

## TRUPOLI (MINERAL)

Obtaining lightweight aggregates from Shadrinskii trypolite and using them in the manufacture of concrete  
B. S. Zaidenberg, E. S. Kizakovich. Sbor. trud. ROSNIIMS no. 24:81-86 '62

## TRITICUM-AGROPYRON HYBRIDS

Quality of catalysis in studying Triticum-Agropyron hybrids V. N. Mel'nikhii. Biol. Glav. bol. sada no. 63:53-61 '66

## TROITSKAIA, VALERIA ALEKSEEVNA

The myth of the "Soviet Maia Harl." V. Rozen. Nov. vrem. 25 no. 8:31-32 I '67

## TRONDHEIM-SHIP MODELS—TESTING

Norwegian model basin L. S. Artyushkov. Sudostroenie 28 no. 12:64-66 D '62

## TROPOMYOSINS

Species specificity of primary structure of mammalian tropomyosins N. V. Sadikova, V. B. Matushchev. Ukr. biokhim. zhur. 30 no. 6:619-621 '66.

## TROUT see subdivision under Kunashir Island

## TRUBEZH VALLEY—DRAINAGE—ECONOMIC ASPECTS

Economic effectiveness of the drainage of lands in the floodplain of the Trubezh River. I. A. N. Lisovskii. Vod. khoz. no. 4:204-210 '66.

## TRUCK TRAILERS

The CHMZAP-5505 trailer for prefabricated room transportation A. A. Urupov. Stroitel. mash. 8 no. 8:10-11 Ag '63

The CHMZAP-5530 heavy trailer. IU, Sokolov, A. Khorin, A. I. G. n. sp. 41 no. 12:42-43 D '66.

The M-630 combined semitrailer V. Rimmin, T. Shulman. Avi. transp. 11 no. 7:45-46 Ji '63

## TRUSSES

Measures for guaranteeing stability of trusses. G. A. Zykov. Mont. i spets. rab. v stroit. 28 no. 12:15 D '66

Technical and economic effect of using prestressed steel trusses in industrial buildings B. A. Speranskii. Prom. zdan. no. 2:18-25 '61

A truss with a wire for roofs of wide-span industrial buildings. IU. V. Smirniagin. Prom. zdan. no. 2:26-30 '61.

## TRYPSIN

Effect of amino acids on the proteolytic activity of trypsin and chymotrypsin. M. P. Chernikov. Biokhimiia 28 no. 2:285-297 kh.-Ap '63.

Representative activity of trypsin preparations for obtaining monostable tissue cultures Report No. 1; Comparative study of dispersing properties and proteolytic activity of trypsin determinable by gelatin and casein proteolysis on film T. G. Metelina. Trudy Mosk. nauch.-issl. inst. virus prep. no. 3:270-271 '66

Representative activity of trypsin preparations for obtaining monostable tissue cultures Report No. 2; Some comparative data on activity and enzyme composition of Difko commercial preparations T. G. Metelina. N. I. Solov'eva. Trudy Mosk. nauch.-issl. inst. virus prep. no. 3:275-288 '66

Intermolecular reactions in thermal inactivation of irradiated trypsin solutions V. N. Luzikov, T. V. Troshkina. Radiobiologiya 6 no. 5:641-645 '66.

## TRYPTAMINE—PHYSIOLOGICAL EFFECT

Mechanism of the action of indopan. E. N. Popova. Zhur. nevro. i psikh. 67 no. 1:125-131 '67.

Pharmacological properties of indopan (n-methyltryptamine hydrochloride). M. D. Masukovskii, T. K. Trubitsyna. Zhur. nevro. i psikh. 63 no. 1:72-70 '63

## TRYPTOPHAN

Decarboxylation of 5-hydroxytryptophan in tissues of the adrenal cortex in Ilsonko-Cushing disease and in tissues of adrenocortical tumors. G. A. Shapiro, S. S. Burdolina, T. T. Beizev. Vop. med. khim. 12 no. 6:574-577 N-D '66.

Effect of medium composition on L-tryptophan accumulation in Hansenula anomala strain 315-21. Yeast. I. E. Lobryeva. Prikl. biokhim. i mikrobiol. 2 no. 6:632-634 N-D '66

Energy production by radioluminescence of tryptophan G. M. Barenholm, A. I. Mochalkin. Radiobiologiya 6 no. 5:671-674 '66

Quantitative determination of tryptophan by diffusion method with help of indicator cultures of Escherichia coli and Bacillus subtilis. I. V. Konova, N. M. Verblina. Mikrobiologiya 35 no. 5:906-911 S-O '66

Stimulation of tryptophan accumulation in fodder yeast by anthranilic acid I. I. Kereva, Z. S. Kagan, V. L. Kretovich. Prikl. biokhim. i mikrobiol. 2 no. 6:625-631 N-D '66

## TSALKA DISTRICT—CALVES—DISEASES AND PESTS

Treating dyspepsia in calves. V. G. Muradov. Veterinarika 13 no. 12:58-59 D '66

## TSELINYY KRAY see Virgin Territory

## TSELINOGRAD PROVINCE—GRAIN

Sow high quality seeds R. Shalekhetov. Zernedelite 26 no. 11:30 N '66.

## TSENTRAL'NO-CHERNOZEM ZAPOVEDNIK see Central Chernozem Preserve

## TSOLKOVSKI, KONSTANTIN EDUARDOVICH, 1857-1935

Guides of the father of astronautics. A. Erekhin. V. mire knig 6 no. 12:35 D '66

"The Tsiolkovskii effect." A. Chizhevskii. Nov. mir 30 no. 3:201-207 Mr '63

## TSKHAKAIA, MIKHAIL GRIGOR'EVICH, 1805-1850

Beizko, S. D. [Mikhail Tskhakala; biographical sketch] Mikha Tskhakala; biografičeskii očerok. Tbilisi, Sabchota Sakartvelo, 1965 113 p. (NIC)

## TUBERCULIN

History of the discovery of tuberculin and mallein in Russia V. I. Kalugin. Veterinarika 13 no. 11:115-117 N '66.

## TUBERCULOSIS

Anesthesia and the loss of blood in operations on the lungs in tuberculous R. G. Mamedova, IU. N. Zhilin. Azerb. med. zhur. no. 7:10-17 Ji '62

Atherosclerosis in tuberculosis of the lungs (pathological-anatomical data) V. I. Bravde. Sov. med. 26 no. 3:55-58 Mr '63.

Bryzgalova, O. K. [Tuberculosis is curable] Tuberkulez. Lzhechm. Moskva, Meditsina, 1966, 22 p. (Nauchno-popularnaya meditsinskaya literatura) (DNLM)

Changes in the gaseous metabolism and hemodynamics following resection of the lungs in tuberculous. R. D. Zislis, V. V. Suvorov, N. G. Suvorova. Khirurgiya 42 no. 11:98-100 N '66.

Comparative evaluation of broncho- and angiographic data in the diagnosis of tuberculosis N. V. Sakhina. Trudy Novokuz. GIDUYA 32:42-48 '65

Effect of phthalazide on the excretion of uronic acids with the urtic tuberculous children. V. G. G. G. G. G. I. Z. Kiroshka. Vop. med. khim. 12 no. 8:609-611 N-D '66.

Effectiveness of fluorescence and phase contrast bacterioscopic diagnosis of tuberculosis I. K. T. Sollarus, K. V. Shmidt. Zhur. mikrobiol., epid. i imm. 33 no. 6:103-107 Je '62

Effectiveness of thoracoplasty in association with antibacterial preparations in the treatment of cavernous forms of tuberculosis of the lungs A. D. Nurmamedov. Azerb. med. zhur. 40 no. 2:39-43 P '63

Electron microscopic study of the effect of antibacterial preparations on tuberculosis mycobacteria. T. N. Chaikina, H. A. Krasnikov. Mikrobiol. zhur. 28 no. 6:62-68 '66.

Puzik, V. L. [Immunomorphological problems in tuberculosis] Problemy immunomorfologii tuberkuleza, Moskva, Meditsina, 1966, 170 p. (DNLM)

State of the blood circulation system in some active forms of pulmonary tuberculosis V. I. Kolodinov. Trudy Novokuz. GIDUYA 32:33-38 '65.

Treatment of patients with pulmonary tuberculosis associated with alcoholism A. I. Ershov. Sov. med. 26 no. 3:89-94 Mr '63

## TUBERCULOSIS—CONGRESSES see subdivision under Azerbaijan

## TUBERCULOSIS—DIAGNOSIS

Changes in the composition of newly diagnosed patients with pulmonary tuberculosis. M. A. Volkova, F. A. Drita. Sov. med. 29 no. 12:100-104 D '66.

Evaluation of the effectiveness of the flotation method of gastric and bronchial lavage in the diagnosis of pulmonary tuberculosis. B. A. Safarov, A. M. Agadzhanova. Azerb. med. zhur. 40 no. 9:44-47 S '63.

## TUBERCULOSIS IN POULTRY see subdivision under Siberia

## TUCHNIN, ALEKSANDR NIKOLAEVICH, 1889-1966

Aleksandr Nikolaevich Tuchnin, obituary. Tranep. I. Khraun. nefti i nefteprod. no. 10:2 of cover '66.

## TUGBOATS see subdivision under Baltic, Lake

## TUGUR VALLEY—PALEONTOLOGY, STRATIGRAPHIC

Finds of Devonian and Cambrian fossil fauna in Tugur region in western part of region of Sea of Okhotsk V. B. Karaulov. Dokl. AN SSSR 171 no. 2:418-420 N '66.

## TUGUSKA BASIN—SAPROPELITES

Sapropelites of eastern margin of Tunguska syncline E. S. Bartolominskii. Geol. i geofiz. no. 9:148-149 '66

## TULA—AGRICULTURAL MACHINERY INDUSTRY

To guide means to educate. D. Derlabin. Agitator no. 16:15-18 Ag '62.

## TULA—FOOD INDUSTRY—MANAGEMENT

Trade organization works in a new way. B. Plotkin. Sov. tovg. 40 no. 1:15-17 Ja '67.

## TULA—SIEGE, 1941

October 30, 1941 in Tula. I. G. Boloznev. Vop. ist. 41 no. 12:203-206 D '66

## TULA—TEACHERS, TRAINING OF

Young teachers are learning to teach. V. A. Gofurvin. A. E. Petov. Vest. vys. shkoly 24 no. 12:41-43 D '66.

## TULA PROVINCE—AGRICULTURE

Closer to the people. V. Evstafiev, N. Il'ina. Agitator 34 no. 23:34-36 D '66

## TULA PROVINCE—MOOSE

Moose in Tula preserves in 1935-1951. G. N. Ikhachev. Biol. i prom. kusta no. 2:66-80 '65.

## TULA PROVINCE—SOILS

Physical and mechanical characteristics of gray forest soils on the "Pashomovo" State Farm, Tula Province. P. U. Bakhtin, V. I. Volotskaya. Pochvovedenie no. 12, 77-80 D '66.

## TULA PROVINCE—WARBLE FLIES—EXTERMINATION

Controlling Hypoderma infestation of cattle in Tula Province D. A. Raevskii and others. Veterinarika 43 no. 11:7-10 Ja '67

## TULAREMIA

(see also subdivision under Biryuchiy Island)

Case of detection of Pasteurella tularensis in mummified cadavers of house mice imported with grain. T. K. Klimova. Trudy Gos. nauch.-issl. p. otirochenn. inst. 10:229-231 '60.

Discovery of Francisella tularensis in Dermacentor marginatus Solz. organism by luminescence microscopy method V. G. Petov, E. V. Annanova. Zool. zhur. 45 no. 11:1612-1616 '66

## TULAREMIA—MICROBIOLOGY

Study of the virulent Francisella tularensis strain in tissue culture in vitro I. G. Mekorenko. Zhur. mikrobiol., epid. i imm. 43 no. 11:76-80 N '66.

## TULIPS

Some characteristics of the embryology of tulip. G. G. Fursi. Trudy inst. gen. no. 20:123-133 '62

## TULOMA RIVER—COFFERDAMS

Cofferdamming of the Tuloma River on the earth dam site of the Verkhnyaya-Tuloma Hydroelectric Power Station. A. F. Vasil'ev, A. F. Pavlov. Gidrostroitel. 33 no. 7:13-15 Ji '63.

## TUMORS

Carcinoid and the carcinoid syndrome. G. A. Shapiro, A. B. Shekhter, M. I. Brustlovskii. Trudy i go. MMF 43:119-126 '65.

Causes of the origin of recurrences of hemangioma following its surgical removal, and ways of their elimination. A. I. Solovko. Klin. onk. no. 1:73-78 '65

Content of growth hormone in patients with tumors. B. M. Gazetov, M. I. Balabolkin. Vop. onk. 12 no. 12:30-34 '66.

Effect of ionizing radiation on pigmented tumors. V. N. Khmel'evskaya. Klin. onk. no. 1:129-136 '65.

Effect of polysaccharide complexes on nucleic acid content in tissues of mice with experimental tumor (C3H-Kaori strain) L. G. Shesher, IU. V. Galanov, E. P. El'm-tseva. Ukr. biokhim. zhur. 38 no. 6:630-632 '66.

Gaseous composition of the blood in patients with tumors. V. M. Tankovich. Vop. onk. 12 no. 11:123-124 '66

Hibernoma: clinical-anatomical characteristics and histogenesis. A. K. Apatanov, K. K. Poroshin. Vop. onk. 9 no. 3:62-66 '63.

Histological characteristics of spontaneous tumors in domestic animals. S. M. Morozova, I. V. Skotodumova. Veterinarika 43 no. 11:68-69 N '66.

Improved type of electropolytomome. I. M. Mamedov. Vop. onk. 12 no. 12:73-75 '66.



- TUMORS (Continued)**  
Int lymphatic transfusions in the treatment of tumors. M. Buttedzhi, I. Domini. Eksp. Med. i med. 8 no. 2: 28-31 N-D '63  
Materials on histogenic effect of 120 Mcv energy photo- ions. V. N. Stetsko, I. I. Mostak. Radiobiologiya 6 no. 3: 660-663 '66  
N, N'-methyl-2-bis-ethylamine and its various biological properties. I. B. Borisov and others. Biol. eksp. biol. 1 no. 5: 676-79 Jc '63  
Prospects for immunological control of tumor growth. L. A. Zil'ber. Vest. AN SSSR 15 no. 12: 15-22 '60  
Results and prospects in the search for antitumor antibiotics. M. M. Mavrov, Vest. AN SSSR 15 no. 12: 28-34 '60  
Soft tissue sarcoma with calcification. A. L. Bogoslavskii. Vest. sent. i rad. 37 no. 3: 68-69 M-Jc '62  
Use of tissue cultures for studying oncogenic viruses. A. D. Timofeev. Vest. AN SSSR 15 no. 12: 3-14 '60
- TUMORS—CLASSIFICATION**  
Classification of the clinical forms of chromatinomas. V. V. Men'shukov. Trudy I-go MIM 43: 113-118 '63
- TUMORS—TRANSPLANTATION**  
Study of cell cycle in transplantable ascitic tumor (strain Oda) rats. R. S. Barkan, V. L. Levin. TSitologiya 8 no. 3: 615-621 S-O '66  
Ultrastructure of transplantable hepatomas of C<sub>3</sub>H mice. Report No. 2. Electron microscopic study of ascitic hepatoma 22 and hepatoma 48. E. I. Pydyvov, V. M. Rucaler. TSitologiya 8 no. 5: 597-603 S-O '66
- TUNA** see subdivision under Atlantic Ocean
- TUNG TREE—FROST RESISTANCE** see subdivision under Georgia
- TUNGSTEN—SPECTRA**  
Hydrogen state in aqueous compounds of molybdenum and tungsten. V. V. Blank and others. Dokl. AN SSSR 171 no. 5: 1111-1115 D '66
- TUNGSTEN**  
Electrochemical properties of molybdenum and tungsten. E. I. Spetsanskaya, V. E. Morisakova, L. I. Kulev. Usp. khim. 35 no. 12: 2129-2150 D '66  
Separation of small amounts of rhenium and tungsten by means of zinc oxonium hydroxide. V. I. Plotnikov, V. L. Kochetkov. Zhur. anal. khim. 21 no. 10: 1260-1262 '66
- TUNGSTEN—ANALYSIS**  
Russia (U.S.S.R.). Komitet standartov, met. i izm. i tsel'-nykh priborov [Tungsten concentrate, methods of determination] Konsentral'nyi volframovyi, metody analiza GOS 11804-66—GOST 11896-66. Izd. of tsentral'noe. Moskva, [Izd. vo Standartov] 1966. 68 p. (SSSR. Gosudarstvennyye standarty)
- TUNGSTEN CRYSTALS**  
Scattering of alkali ions by surface of tungsten single crystals. U. A. Arlov and others. Izv. AN SSSR, Ser. fiz. 30 no. 12: 1995-1999 D '66
- TUNGSTEN CRYSTALS—GROWTH**  
Studying cesium adsorption on tungsten single crystals. V. M. Galyuk, A. G. Naumovets, A. G. Fedorus. Zhur. eksp. i teor. fiz. 51 no. 5: 1332-1340 N '66
- TUNGSTEN METABOLISM**  
Some problems of tungsten metabolism in epidemic hepatitis. G. I. Dontsov. Sov. med. 29 no. 12: 11-16 D '60
- 'NISIA—DAMS**  
Irray structures of the dam on the Jumin River in the Turkmen Republic. B. P. Karuk, N. N. Suova. Izd. khok. no. 4: 126-132 '66
- INEL DIODES**  
Avalanche breakdown tunnel diodes and their application in superhigh frequency technology. A. S. Tagel. Usp. fiz. nauk 90 no. 4: 631-668 D '66  
Tunnel effect between superconductors in alternating field. A. I. Larvin, I. U. N. Ovchinnikov. Zhur. eksp. i teor. fiz. 51 no. 5: 1335-1343 N '66
- TUNNEL LINING**  
Anchor fastening for arch centers. M. I. Ivanov. Transp. stroit. 11 no. 11: 30-32 N '61
- TUNNELING** see subdivision under Great Britain
- TUNNELS**  
Semi-shield for renovating railroad tunnels. I. I. Merinov. Transp. stroit. 11 no. 12: 25-27 D '61
- TURA RIVER—REGULATION**  
Maximum possible depth of the Tura River. V. Degtiarev. Rech. transp. 25 no. 12: 40-42 '66
- TURBIDITY** see subdivision under Rybinsk Reservoir
- TURBINES**  
Decrease of the hydraulic losses in the control valves of a low-pressure turbine. V. I. Kamyrina, S. A. Kolo-dochko, B. S. Revzina. Prom. energ. 16 no. 1: 15-16 Ja '61  
Effect on the distribution of temperature drops along the rows on the efficiency of speed regulatory stages. N. M. Markov. Energomashinostroyeniye 8 no. 8: 30-40 Ag '62  
Effect of the lower or clap on the efficiency of a turbine stage. A. G. Sheinkman, V. S. Il'kin, N. K. Lobanov. Energomashinostroyeniye 8 no. 8: 28-29 Ag '62
- TURBINES—BLADES**  
Temperature field of the partially cooled root fixings of the turbine blades. B. A. Azhadev. Energomashinostroyeniye 10 no. 1: 10-10 Ja '61
- TURBODRILLS**  
Bench for testing turbo drill nipples. B. G. Vasil'ev, V. A. Gerasovskii. Neftegazprom no. 3: 71-72 M-Jc '63  
Turbo drill penetration of deep wells of small diameter. G. N. Simakov. Neftekhiz. 41 no. 9: 16-18 S '63
- TURBOGENERATORS**  
Increasing reliability and power of TG-200 turbogenerators. G. S. Degti'ev. Elekt. sta. 37 no. 11: 18-21 N '66  
Regulation of the output of turbogenerators operating in a power system. B. P. Murganov. Teploenergetika 8 no. 2: 9-13 F '61
- TURBOGENERATORS—COOLING**  
Conversion of turbogenerator rotor windings with hydrogen cooling to direct cooling. I. U. I. Azhadev, V. D. Kopylov. Elekt. sta. 37 no. 11: 44-47 N '66
- TURBOMACHINES**  
Dimensionless characteristics of centrifugal stages with different relative width of the blade. G. N. Den. Energomashinostroyeniye 8 no. 8: 30-36 Ag '62  
Perfecting in the study and final adjustment of the inlets and outlets of axial turbomachines. R. N. Bogomazov, L. A. Dolman. Energomashinostroyeniye 7 no. 1: 6-12 Ja '61  
Optimum form of the diffuser of a turbine exhaust pipe. D. I. Morozov. Izv. vuzov ucheb. zav. energ. 9 no. 11: 107-110 N '66  
Self-balancing bridge device measuring static-to-static changes in turbomachines. F. R. Gmurlich, E. L. Dobrov, V. I. Nikulin. Avtomatika no. 3: 56-59 '66  
Study of the operating process of a single-stage hydro-mechanical transformer with forced rotation of the rotor. I. U. N. Fedotov, B. O. Zhigzhapov. Izv. vuzov ucheb. zav. energ. 9 no. 11: 76-81 N '66
- TURBOMACHINES—BLADES**  
Model blades from AS-1 plastic. I. U. I. A. Tannopol'skii. A. D. Nemtsev. Energomashinostroyeniye 8 no. 5: 26-27 Ag '62
- TURBULENCE**  
Use of simultaneous cinematography and photography for measuring turbulent coefficients in natural conditions. A. V. Meler. Trudy Okean. kom. 11: 11-11 '62
- TURGAY GATES—BAUXITE**  
Prospecting criteria and methods of prospecting for bauxite deposits in the Turgay Gates. G. R. Kripil' Razv. i okh. nedr. 20 no. 3: 12-17 Mh '63
- TURGAY GATES—MAGNETITE**  
Basic characteristics of the distribution of impurity elements in the magnetites from the ores of the Kachar deposit (Turgay Gates). N. M. Belinshov. Izv. AN Kazakh SSR. Ser. geol. nauk no. 6: 13-18 '63  
Basic characteristics of the localization of magnetite deposits in the Sokolovo-Sarayskaya ore region. I. A. Kochergin. Izv. AN Kazakh SSR. Ser. geol. nauk no. 6: 34-42 '63
- TURGAY GATES—METALS, RARE AND MINOR**  
Basic characteristics of the distribution of impurity elements in the magnetites from the ores of the Kachar deposit (Turgay Gates). N. M. Belinshov. Izv. AN Kazakh SSR. Ser. geol. nauk no. 6: 13-18 '63
- TURGAY PLATEAU—ORE DEPOSITS**  
Some genetic characteristics of deposits of the Yel'tay-Kurzhankul'skiy ore region in Turgay. V. M. Shcherbak. Vest. AN Kazakh SSR 22 no. 12: 40-52 D '66
- TURGENEV, IVAN SERGEEVICH, 1818-1893**  
Turgenev in Turkey. M. S. Mikhailov. Nar. Az. i Afr. no. 6: 81-90 '66
- TURKESTAN—FEBRUARY REVOLUTION, 1917**  
History of the agrarian movement in Uzbekistan on the eve of the October Revolution, May-October 1917. A. M. Tashmukhamedov. Nauch. trudy TashGU no. 281: 72-81 '66  
How the bourgeois press covered social and political events in Turkestan in 1917. Kh. A. Erzin. Nauch. trudy TashGU no. 281: 65-71 '66
- TURKESTAN—HISTORIOGRAPHY**  
Soviet historiography of the October Revolution in Central Asia. Kh. Sh. Inoiatov, L. M. Landa. Ist. SSSR 10 no. 6: 3-25 N-D '66
- TURKESTAN—HISTORY**  
The mass struggle of 1910 and the members of the Duma in Turkestan. P. A. Kovalev. Nauch. trudy TashGU no. 281: 53-64 '66
- Preparing a chronology of cultural life in pre-revolutionary Turkestan, 1861-1900. G. N. Chabrov. Nauch. trudy TashGU no. 281: 1-15 '66
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History of the establishment of the Turkmen A.S.S.R. as a part of the U.S.S.R. Z. I. Inamulzhano. Trudy TashGU no. 282: 51-62 '66  
Nurbekov, Nurbekovich. [Establishment of the Kizil-Soviet National State] Vozniknovenie Kizil'skoi Sovetskoi natsional'noi gosudarstvennosti. Frunze, Kirgizskan, 1964. 118 p.  
Participation of native workers in the establishment of the Soviet regime in Turkestan. A. A. Gordinenko. Trudy TashGU no. 282: 41-50 '66
- TURKESTAN—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION**  
History of the participation of the foreign-born Slavs in the social and political life of Turkestan in 1910-1920. A. M. Mavrov. Nauch. trudy TashGU no. 281: 73-93 '66
- TURKEY—ARMENIANS**  
Nersisyan, M. G., ed. [Genocide of the Armenians in the Ottoman Empire, collection of documents and materials] Genotsid armenov v Osmanskoi Imperii, sbornik dokumentov i materialov. Erevan, Izd-vo AN Armianskoi SSR, 1966. 560 p.
- TURKEY—FOREIGN RELATIONS—FRANCE**  
The policy of England and France in Turkey on the eve of the Second World War. B. Bekiev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1: 3-9 '66
- TURKEY—FOREIGN RELATIONS—GREAT BRITAIN**  
The policy of England and France in Turkey on the eve of the Second World War. B. Bekiev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1: 3-9 '66
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Using Islam as a weapon for the exploitation of peasants by the Democratic Party of Turkey, 1900-1960. B. Karabaev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 4: 11-17 '66
- TURKIC LITERATURE—HISTORY AND CRITICISM**  
Dating the Yenisey monuments of the Old-Turkic literature. I. A. Butmanov. Uch. zap. Tav. uch. inst. hist. i fil. 11: 10-20: 102 '64
- TURKISH TALES** see Tales, Turkish
- TURKISH LANGUAGE—ACCENTS AND ACCENTUATION**  
The accent in the Turkish language. A. Sapayev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1: 71-77 '66
- TURKISH LANGUAGE—ETYMOLOGY**  
The etymology of words of the "holm-a" type. Z. B. Mukhammedova. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1: 80-91 '66
- TURKMENISTAN—AGRICULTURE**  
An out-of-town section of the scientific council of the Sh. Bats'ov Institute of History of the Academy of Sciences of the Turkmen S.S.R., devoted to the history of the agriculture and collective farmers of the Turkmen Republic. T. Atayev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 1: 90-91 '66
- TURKMENISTAN—ANTIQUITIES**  
A stratigraphic excavation at "Ashkhabadskaya Gora." T. Khodzhaminov. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 4: 130-15 '66
- TURKMENISTAN—BACTERIOLOGY**  
Pattern of phagotypes of typhoid fever cultures in the Turkmen S.S.R. N. V. Pankov. Zhur. mikrob. i epid. i immun. 33 no. 6: 58-60 Jc '62
- TURKMENISTAN—BITUMEN—GEOLOGY**  
Luminescence studies of bitumens of the Upper Cretaceous and Paleogene of the Dabov stage in the Rudkhyz and Khabl' regions. D. Palyev. Izv. AN Turk. SSR. Ser. fiz. i tekhn. i khim. i geol. nauk no. 2: 70-81 '61
- TURKMENISTAN—BUILDING MATERIALS**  
Expanded calcined materials from Turkmen clays. A. M. Krasnov. Izv. AN Turk. SSR. Ser. fiz. i tekhn. i khim. i geol. nauk no. 4: 69-74 '62
- TURKMENISTAN—CERAMICS**  
Ceramic tiles from low-melting clays of Turkmenistan. A. F. Kovalev. Izv. AN Turk. SSR. Ser. fiz. i tekhn. i khim. i geol. nauk no. 5: 52-58 '62
- TURKMENISTAN—COLLECTIVE FARMS**  
A meeting of historians on a Turkmen collective farm. M. Moshev. Ist. SSSR 10 no. 6: 210-211 N-D '66  
An out-of-town section of the scientific council of the Sh. Bats'ov Institute of History of the Academy of Sciences of the Turkmen S.S.R., devoted to the history of the agriculture and collective farmers of the Turkmen Republic. T. Atayev. Izv. AN Turk. SSR. Ser. obshchestv. nauk no. 4: 90-97 '66

## TURKMENISTAN—CONSTRUCTION INDUSTRY—SCHEDULING

Introduction of network schedule graph planning at construction projects in Turkmenistan. A. V. Milinev. Stroitel'skikh Uzb. 7 no. 11:38-39 N '66

## TURKMENISTAN—COTTON MANUFACTURE

Evaluating the economic effect of the distribution of the cotton spinning industry on the national economy. M. M. Pogonov. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:78-80 '66.

## TURKMENISTAN—DAIRY FARMS

Veterinary hygienic norms for the construction of cow barns and swine houses in Turkmenistan. A. I. Medvedev, D. N. Kelov. Veterinarika 43 no. 12:82-83 D '66

## TURKMENISTAN—DISORDERLY CONDUCT

From the editor's mail. Sols zakon 13 no. 12:77 D '66

## TURKMENISTAN—DOMESTIC RELATIONS

Problems of present-day family and domestic relations of Turkmen workers. Sh. Annaklychev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:10-23 '66.

## TURKMENISTAN—ECONOMIC CONDITIONS

An out-of-town session of the scientific council of the Institute of Economics of the Academy of Sciences of the Turkmen S. S. R., devoted to the development of the productive forces of eastern Turkmenistan. L. Gud-zhalova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:97-99 '66.

## TURKMENISTAN—FAMILY

Problems of present-day family and domestic relations of Turkmen workers. Sh. Annaklychev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:18-23 '66.

## TURKMENISTAN—GAS, NATURAL—GEOLOGY

Prospecting for oil and gas in the Plinyak region. G. I. Amurskii, I. N. Khoshilov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 5:80-87 '62

## TURKMENISTAN—GAS INDUSTRY

The status of and prospects for the development of the petroleum and gas industries in Turkmenistan. A. Babukhiev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:46-51 '66.

## TURKMENISTAN—GEOLOGICAL RESEARCH

Methodology of hydrogeological studies in the irrigated regions of the Turkmen S. S. R. V. P. Doroshenko. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 4:92-96 '62.

## TURKMENISTAN—GEOLOGICAL TIME

Age of Aktepe layers in the central Kopetdag and the Gyzaurdag region. A. V. Dmitriev, G. E. Kozhevnikova. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 5:119-121 '62

## TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

Boundary between Upper and Lower Cretaceous sediments in southeastern Turkmenia. R. A. Barcev, M. M. Fartukov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 4:53-56 '62

## TURKMENISTAN—GEOMORPHOLOGY

Fundamental geomorphological features of Turkmenistan. I. B. Nevodchikova. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 5:69-79 '62.

## TURKMENISTAN—GRAVITY ANOMALIES

Nature of the gravity anomaly of northeastern Turkmenistan. V. G. Kots. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 4:49-51 '62.

## TURKMENISTAN—HISTORY

Some data on Turkmenistan during the first quarter of the 16th century as described by Muhammad Kazim. O. Amantayev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:30-38 '66.

## TURKMENISTAN—LABOR SUPPLY

An out-of-town session of the scientific council of the Institute of Economics of the Academy of Sciences of the Turkmen S. S. R., devoted to the development of the productive forces of eastern Turkmenistan. L. Gud-zhalova. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 4:97-99 '66.

## TURKMENISTAN—LOCUSTS—EXTERMINATION

The battle has been won. I. Grinberg. Zashch. rast. 11 no. 12:13-14 '66.  
Locusts are defeated. N. Frolushkin. Zashch. rast. 11 no. 12:16 '66

## TURKMENISTAN—MUD VOLCANOES

Waters of mud volcanoes in southwestern Turkmenistan. A. Korbanmurodov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 2:11-18 '61.

## TURKMENISTAN—OIL WELL DRILLING FLUIDS

An aromatic acid in drilling fluid. A. Nilarov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 4:111-114 '62.

## TURKMENISTAN—ORE DEPOSITS

Zoning of the mineralization and the chemical composition of underground waters in the central Kopetdag and the plain part of Turkmenia adjacent to it. I. I. Davydov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 1:95-108 '62

## TURKMENISTAN—PETROLEUM GEOLOGY

Prospecting for oil and gas in the Plinyak region. G. I. Amurskii, I. N. Khoshilov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 5:80-87 '62

## TURKMENISTAN—PETROLEUM INDUSTRY

Prospects for the development of the petroleum, gas, and petrochemical industries in the Turkmen S. S. R. S. R. Serplenko and others. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 4:3-11 '62.

The status of and prospects for the development of the petroleum and gas industries in Turkmenistan. A. A. Babukhiev. Izv. AN Turk. SSR, Ser. obshchestv. nauk no. 1:46-51 '66.

## TURKMENISTAN—PETROLEUM RESEARCH

Petroleum research in western Turkmenia. S. F. Moiseyev, V. S. Tolstenev, V. S. Dragunskaya. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 2:3-11 '61

## TURKMENISTAN—PLANTS, PROTECTION OF

Enthusiasts of plant protection. I. M. Grinberg. Zashch. rast. 11 no. 12:11-13 '66

For large fruit crops. A. Kuznetsova. Zashch. rast. 11 no. 12:10-11 '66

Forecasters in Turkmenistan. E. Egilan. Zashch. rast. 11 no. 12:39-40 '66

In Turkmenistan. P. Smolenskii, L. Ovcharenko. Zashch. rast. 11 no. 12:5-7 '66

Turkmenistan inspection. N. Karacov, P. Levishko. Zashch. rast. 11 no. 12:15-16 '66

## TURKMENISTAN—SALMONELLA

Pattern of phages of typhoid fever cultures in the Turkmen S. S. R. N. V. Pankov. Zhurn. mikrobiol. i epid. immunit. 33 no. 6:58-60 Je '62

## TURKMENISTAN—SWINE HOUSES AND EQUIPMENT

Veterinary hygienic norms for the construction of cow barns and swine houses in Turkmenistan. A. I. Medvedev, D. N. Kelov. Veterinarika 43 no. 12:82-85 D '66

## TURKMENISTAN—UGURS

Some data on the history and ethnography of Uigurs in southern Turkmenistan, in the light of the amalgamation of nations. G. B. Nikol'skaya. Nauch. trudy TashGU no. 281:104-109 '66

## TURKMENISTAN—WATER, UNDERGROUND

Balance elements of thermal waters in the area of western Turkmenistan of the southern Caspian at tectonic basin and the role of thermal sources in the transportation of underground heat. S. S. Dzhibut. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 2:118-120 '61.

Role of condensed air moisture in feeding ground waters in the Karakum region. N. B. Kulidzaev. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 2:64-74 '61

## TURKMENISTAN—WATER, UNDERGROUND—ANALYSIS

Zoning of the mineralization and the chemical composition of underground waters in the central Kopetdag and the plain part of Turkmenia adjacent to it. I. I. Davydov. Izv. AN Turk. SSR, Ser. fiz.-tekhn., khim. i geol. nauk no. 5:85-108 '62.

## TURNIPS—DISEASE AND PEST RESISTANCE

(See also subdivision under Leningrad Province)  
Resistance of the varieties and intervarietal hybrids of feed turnip and garden turnip to clubroot. N. S. Pivovayeva. Sborn. trud. asp. i mol. nauch. sot. VII no. 2:156-168 '61

## TURNIPS—STORAGE

Some morphological characteristics of the root system of turnips. I. A. Galandars. Sborn. trud. asp. i mol. nauch. sot. VII no. 2:144-150 '61

## TURPENTINE

Chromatographic analysis of the industrial samples of domestic turpentine. I. I. Baryshev, V. I. Kulikov, A. L. Perlovskii. Gidroliz. i sosokhim. prom. 19 no. 8:16-17 '68

## TURPENTINE INDUSTRY

Dublin, Z. U. [Resin-turpentine production] Smolodskiy. Promyshl. proizvodstvo, 2 izd., ispr. i dop. Moskva, Lesnaya promyshl., 1966. 150 p.

## TURPENTINING

Designing chemical hacks. G. B. Olovnikov. Gidroliz. i sosokhim. prom. 19 no. 8:16-18 '68.

## TURPENTINING—EQUIPMENT AND SUPPLIES

New tree tapping tools. I. A. Chenshaev. Gidroliz. i sosokhim. prom. 15 no. 4:25-26 '62

## TUVA A. S. S. R.—AGRICULTURE

Basic problems of the agricultural system in Tuva. M. B. Postar-pool. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:116-123 '63

The Tuva A. S. S. R. in the agricultural system of Eastern Siberia. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:87-115 '63

## TUVA A. S. S. R.—ARCHAEOLOGICAL RESEARCH

Results of the archaeological research of the Tuvinian Research Institute of Language, Literature and History in 1961. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:238-246 '63

## TUVA A. S. S. R.—BRONZE AGE

Ancient copper mines in Khovu-Aksy. N. P. Zakharenko. IA I. Sunchugashiev. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:268-282 '63

## TUVA A. S. S. R.—BUDGET

Additional resources of the budget. L. I. Tolchinskii. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:75-86 '63

The role of the budget in the growth of prosperity of the population of the Tuva A. S. S. R. A. I. Kaplanov. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:68-74 '63.

## TUVA A. S. S. R.—COMMUNIST YOUTH LEAGUE

The Communist Youth League of Tuva on the frontier of the seven-year plan. G. Ch. Sidzhikh. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:38-47 '63.

## TUVA A. S. S. R.—CONSTITUTIONAL LAW

Establishment of the Tuva Autonomous Soviet Socialist Republic, publication of documents. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:16-26 '63

## TUVA A. S. S. R.—CORN (MAIZE)

Encourage the cultivation of corn in Tuva. E. G. Kuznetsova. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:124-130 '63

## TUVA A. S. S. R.—ECONOMIC CONDITIONS

Some results of four years of the seven-year plan and prospects for the further development of the national economy of the Tuva A. S. S. R. I. F. Temelin. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:58-67 '63

## TUVA A. S. S. R.—ECONOMIC POLICY

Tuva's trade unions in the struggle for the seven-year plan. T. Ch. Norbu. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:27-37 '63.

## TUVA A. S. S. R.—INSCRIPTIONS, TURKIC

Burial mounds and a stele with an Old-Turkic inscription in the Khebla-Baary gorge. S. I. Valnshteyn. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:264-267 '63

New epigraphic finds in Tuva. Z. B. Aragach. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:247-256 '63.

## TUVA A. S. S. R.—MINES, ANCIENT

The smelting of copper in ancient Tuva. IA. I. Sunchugashiev. Sov. arkheol. 10 no. 1:187-191 '66.

## TUVA A. S. S. R.—ORE DEPOSITS

Characteristics of formation and metamorphism of pyrite-complex metal ore deposits in Salair Range and Tuva. K. R. Kovalev. Geol. i geofiz. no. 9:44-54 '66

## TUVA A. S. S. R.—PARASITES—GAME AND GAME BIRDS

Helminths of the commercially hunted animals in the Tuva A. S. S. R. A. D. Sullimov. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:283-290 '63

## TUVA A. S. S. R.—POLITICS AND GOVERNMENT

Congress of the builders of communism. S. K. Toka. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:3-15 '63

On the occasion of the 40th anniversary of the organization of the Tuva People's Revolutionary Party. S. Sh. Myndrima, O. T. Tolgar-pool. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:10-57 '63

## TUVA A. S. S. R.—RESTAURANTS, LUNCHEONS, ETC

Prospects of the development of public eating establishments in the republic. A. A. Soian. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:158-164 '63

## TUVA A. S. S. R.—SHEEP BREEDING—ACCOUNTING

The sheepherd's mechanized business accounting brigades. I. T. Kyzy-pool. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:137-140 '63.

## TUVA A. S. S. R.—SUGAR BEETS

Sugar beets in Tuva. A. I. Bakulin. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:131-136 '63

## TUVA A. S. S. R.—TRADE UNIONS

Tuva's trade unions in the struggle for the seven-year plan. T. Ch. Norbu. Uch. zap. Tuv. nauch. -issl. inst. fiz. i lit. i ist. no. 10:27-37 '63

## TUVA A. S. S. R.—TRILOBITES

New trilobites of family Conocoryphidae from Cambrian of Siberian Platform and Tuva. M. N. Korobov. Paleont. zhurn. no. 4:92-97 '66.

## TUVINIAN LANGUAGE—CONSONANTS

Rules governing the coordination of consonants in the Tuvan language. D. A. Izrael. Uch zap Tuv nauch. inst. inst. 12, 1st no. 10 195-210 '63

## TUVINIAN LITERATURE—HISTORY AND CRITICISM

Literary portrait of A. Izrael. Uch zap Tuv nauch. inst. inst. 12, 1st no. 10 363-364 '63

Techniques of the portrait of characters in "The story of a common man" of A. Izrael. Uch zap Tuv nauch. inst. inst. 12, 1st no. 10 180-185 '63

## TUVINIAN POETRY—TRANSLATIONS INTO RUSSIAN

Translating of Tuvan poetry into Russian. D. S. Khatat. Uch zap Tuv nauch. inst. inst. 12, 1st no. 10 165-170 '63

## TUYMAZY OIL FIELD—OIL WELL DRILLING

Kuznetsov, A. Z. [With one's own labor] Stalin Irudom, Ufa, Bashkirskoe knizhnoe izd-vo, 1953. 27 p. (Mauki promyshlennosti Bashkiri)

## TUYMAZY OIL FIELD—PETROLEUM REFINING

Diagram of partial dehydration of petroleum prior to its reaching central dehydrating plants. N. S. Marinin. Neft' i gaz. 33 no. 12 20-26 '66

## TVARDOVSKII, ALEKSANDR TRIFONOVICH, 1910-

Roshchin, P. F. Aleksandr Tvardovskii. Moskva, Prosveshchenie, 1966. 174 p. (Biblioteka slovesnika)

## TYPHOID FEVER

(See also subdivision under Azerbaijan)

Experimental basis for enterovaccination in typhoid fever. A. N. Meshalova, N. Sh. Amirov. Zhur mikrobiol. epid. i immun. 33 no. 6 49-53 Je '62

Principles and preliminary experience with the use of Furazolidone, a nitrofuran preparation in the treatment of typhoid and paratyphoid diseases. M. M. Budzhe, A. F. Uttinger, L. S. Chetmireva. Zhur mikrobiol. epid. i immun. 33 no. 6 142-144 Je '62

## TYPHOID FEVER—MICROBIOLOGY

Fluorescent reaction in the body of infected animals. V. A. Miforov. Zhur mikrobiol. epid. i immun. 43 no. 11-12 '66

## TYPHOONS

Waves in typhoons, outline. A. P. Khvan, Trudy Mor. gidrofiz. inst. AN URSS. 37 125-133 '66

## TYROL—HISTORY

The struggle of Tyrolean miners and the sociopolitical program of Michael Gamsmaier. M. M. Sinlin. Sied. veka. no. 29 114-138 '66

## TYROSINE

Effect of adrenalectomy on tyrosine retention in the liver and on its level in dog and rat blood. T. N. Potasova, V. P. Fedotov. Biol. ekol. biol. i med. 35 no. 5 63-66 My '63

Tyrosine content in brain proteins of rats exhausted by repeated convulsive fits. K. I. Pogodaev, N. F. Turova. Ukr. biokhim. zhur. 38 no. 5 595-598 '66

## TYUKALINSK DISTRICT—LEPTOSPIROSIS

Materials from a serological study of farm animals for leptospirosis in Tyukalinsk District, Omsk Province. I. K. Chulovskii. Shor nauch. rab. SibNIV. no. 11 165-168 '62

## TYUMEN PROVINCE—GAS, NATURAL

The joy of discovery. E. Anan'ev. Mol. korm. no. 11: 81-85 N '61

## TYUMEN PROVINCE—OIL WELL DRILLING

What the experience of Tyumen' drillers tells us. A. Smirnov. Neft' i gaz. 33 no. 11 20-31 N '66

## UCHALY (BASHKIRIA)—CONSTRUCTION INDUSTRY—MANAGEMENT

Ural, M. G. [Integrated brigade is on the frontier] Kompleksnaia na perednem krae. Ufa, Bashkirskoe knizhnoe izd-vo, 1964. 30 p. (Mauki promyshlennosti Bashkiri)

## UDDER

Use of antiseptic preparations as ointments for the teats of cows. V. D. Lablozhkin, A. G. Milianovskii. Veterinariia. 43 no. 12 86-88 D '66

## UDDER—DISEASES

Causes of mastitis in machine milking of cows. N. M. Khilkevich. Veterinariia. 43 no. 12 76-79 D '66

Diagnosis of subclinical mastitis in cows by the use of milk test plates. I. G. Vellik and others. Veterinariia. 43 no. 11, 78-80 N '66

Treating mastitis caused by foot-and-mouth disease. A. T. Marchuk, V. A. Fortushnyi. Veterinariia. 43 no. 1 66-68 Ja '67

## UDMURT A. S. S. R.—DAIRY BARN

Mechanized cow barns. IU. Ivanov. Sel. stroit. 16 no. 11 8-10 N '61

## UDOMLYA DISTRICT—RURAL CONDITIONS

In native places. Leonid Ivanov. Nov. ml. 39 no. 3: 171-200 Mr '63

## UFA—HARBOR

In the Board of the Ministry of the River Fleet. Rech. transp. 25 no. 12 53 '66

## UFA—PLUMBING

Leading brigade of sanitary engineering workers. A. Lazarev. Na stroit. Rus. 4 no. 10 18-19 O '63

## UGLICH RESERVOIR—HYDROLOGY

Level regime and methodology of calculation of mean level of Uglich Reservoir. V. I. Kolkutin, S. V. Savin, Shor. 1ab Ryb. gidromet. obser. no. 3 99-108 '66

Water balance of Uglich Reservoir. V. I. Kolkutin. Shor. 1ab Ryb. gidromet. obser. no. 3 30-39 '66

## UGLICH RESERVOIR—TEMPERATURE

Characteristics of thermal regime of Ivan'kovo and Uglich Reservoirs. S. N. Tachalov. Shor. 1ab Ryb. gidromet. obser. no. 3 75-85 '66

## UGLINESS

A letter with a comment; our answer to the "ugly girl." V. Karbovoskaya. Sem'ia i shkola. 21 no. 11: 42 N '66

## UGURS see subdivision under Turkmenistan

## UKRAINE

Improving the qualifications of savings bank employees in the Ukrainian S. S. R. A. Bilyi. Den. i kred. 21 no. 12 65-68 D '66

## UKRAINE—AFFORESTATION

Establishment of forest plantations under the cover of thinned stands. M. I. Onys'kiv. Lis. hosp. i les. i prom. i der. prom. no. 6: 17-22 N-D '66

## UKRAINE—AGRICULTURAL CREDIT

Three variants of credit. G. Kovalenko. Den. i kred. 21 no. 12 28-30 D '66

## UKRAINE—AGRICULTURAL RESEARCH

Development of research by the Academy of Sciences of the Ukrainian S. S. R. serving agricultural production. Dop. AN URSS. no. 11 1525-1528 '62

## UKRAINE—ALFALFA

Cultivation of alfalfa fields. I. Sullmovskii. Zemledelie. 28 no. 12 22-23 D '66

## UKRAINE—ANTIQUITIES

The population of eastern Podolia in the middle of the first century A. D. N. M. Kiavchenko. Ukr. ist. zhur. 10 no. 12 99-105 D '66

## UKRAINE—ARBITRATION AND AWARD

Decisions of arbitration agencies. Rad. pravo. 20 no. 12 98-99 D '66

## UKRAINE—BATTARRACA

Finding the mushroom Battarraea stevenii (Lib.) Fr. in the Ukraine. V. Ia. Frankivskii. Ukr. bot. zhur. 20 no. 1, 103 '63

## UKRAINE—BEEF CATTLE—DISEASES AND PESTS

Veterinary hygienic measures as the basis of the prophylaxis of foot-and-mouth disease. N. I. Gorban'. Veterinariia. 43 no. 1 83-95 Ja '67

## UKRAINE—BENTONITE

Using Ukrainian bentonite to obtain clay muds. A. I. Zolotareva, Z. F. Fomenko. Neft. i gaz. prom. no. 3: 32-35 Ji-S '63

## UKRAINE—BIBLIOGRAPHY—EARLY PRINTED BOOKS

Armenian books printed in the Ukraine; the 350th anniversary of the publication of the first Armenian book printed in the Ukraine. Ia. R. Dashkevych. Ukr. ist. zhur. 10 no. 12 132-134 D '66

## UKRAINE—BIOLOGICAL RESEARCH

Measures for further development of biological science and strengthening its relations with practice. Dop. AN URSS. no. 7 976-979 '63

## UKRAINE—BITS (DRILLING AND BORING)

Some reserves in the work of roller bits in the Ukraine. N. A. Zhidovisev. Neft. i gaz. prom. no. 1: 28-31 Ja-Mr '63

## UKRAINE—BOOKSELLERS AND BOOKSELLING

Our prospects. G. Shablii. Knizh. i org. 17 no. 12 10-10 D '66

Workers get famous through their work. F. Kirichenko. Knizh. i org. 17 no. 12 21 D '66

## UKRAINE—BOOKSTORES

Outside the boundaries of a republic. M. Shirokovskii. Knizh. i org. 17 no. 12 15-16 D '66

## UKRAINE—BROMGRASS

Awnless bromgrass. I. Litvinov, V. Shevela. Zemledelie. 28 no. 12: 24 D '66

## UKRAINE—CANCER

Regional characteristics of the occurrence of malignant neoplasms in the Ukrainian S. S. R. N. G. Znachkovskii, R. G. Phaklin. Klin. onk. no. 1: 210-223 '65

## UKRAINE—CANNING INDUSTRY—FINANCE

Improving the economic efficiency of canning production. N. Ugarov. Sov. potekh. 100, 10 no. 12 9-10 D '66

## UKRAINE—CHEMICAL RESEARCH

Scientific Council session on problem of chemistry of complex compounds. A. M. Lopyha. Dop. AN URSS. no. 11 1516 '66

## UKRAINE—CLAY

Boundary of an argillaceous fraction in loess of Ukrainian S. S. R. V. F. Kharov. Dokl. AN URSS. 171 no. 2 153-155 N '66

## UKRAINE—COKE PLANTS—EQUIPMENT AND SUPPLIES

Using cast stone parts in industry. A. I. Shulev, N. A. Bakhataev. Koks i khim. no. 12 41-42 '66

## UKRAINE—COLLECTIVE FARMS—FINANCE

Three variants of credit. G. Kovalenko. Den. i kred. 21 no. 12 28-30 D '66

## UKRAINE—COLLECTIVE FARMS—INTERFARM COOPERATION

Ways of lowering costs of construction and assembly work in intercollective farm building organizations. B. I. P. Shor. Stroit. i arkhit. 11 no. 11 15 N '66

Work experience of intercollective farm building organizations in the Republic. V. Chuprikov. Stroit. i arkhit. 14 no. 11: 11-14 N '66

## UKRAINE—COMMERCIAL LAW

The new civil code of the Ukrainian S. S. R. and commercial contracts. V. S. Shcherbinov. Pravopromyslovoe no. 1 36-43 '65

## UKRAINE—COMMUNIST EDUCATION

Misnik, O. I. [Those who start life] Vetyushchik i zhizn'. Dnepropetrovsk, Promin', 1966. 60 p.

## UKRAINE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Matyichuk, M. M. [Organizational work of the party in the industry of the Ukraine, 1952-1958] Organizatori i roboti parti v promyslovosti Ukrainy, 1952-1958 rr. [Kyiv] Vyd-vo Kyivskoho universytetu, 1966. 147 p. (CSt-II)

Party assignments and political lectures. S. Andriyev. Agitator. 34 no. 1: 31-35 Ja '67

## UKRAINE—CONTRACTS, AGRICULTURAL

The new civil code of the Ukrainian S. S. R. and the organization of the procurement of agricultural supplies. V. A. Alma. Pravopromyslovoe no. 1, 13-19 '65

## UKRAINE—CORN (MAIZE)—DISEASES AND PESTS

Common smut on irrigated corn. F. Namilenko, G. Gritsenko. Zashch. rast. 11 no. 11: 21-25 '66

## UKRAINE—CYCLOHEXANE

Cyclohexane content in oils and condensates from the fields of the Ukraine. V. T. Sidim and others. Neft. i gaz. prom. no. 3: 51-56 Ji-S '63

## UKRAINE—DECORATION AND ORNAMENT

Popularization of monumental art during the first years of the revolution in the Ukraine. L. Vladich. Iskusstvo. 20 no. 11: 41-50 '66

## UKRAINE—DISORDERLY CONDUCT

Let us relentlessly struggle against alcoholism and rowdiness. O. Dotsenko, H. Karavayev. Rad. pravo. 20 no. 12: 82-83 D '66

## UKRAINE—DRAINAGE

Drainage norms for excessively wet mineral soils using tile drainage. Z. A. Zuhovtina. Vod. khoz. no. 1: 70-80 '66

Effect of tillage methods on the change in moisture and aeration conditions of the plow layer of peat soils differing in the degree of drainage. M. N. Moslovskii. Vod. khoz. no. 4: 81-90 '66

Some problems of the effectiveness of drainage and land reclamation in the Ukraine. D. G. Afanas'ev. Vod. khoz. no. 4: 197-203 '66

## UKRAINE—DRAINAGE—ELECTROMECHANICAL ANALOGIES

Determining the distance between horizontal incomplete drains in irrigated fields on simplified models using the method of electrohydrodynamic analogies. Vod. khoz. no. 4: 37-44 '66

## UKRAINE—ECONOMIC CONDITIONS

Objectives of the party are the objectives of the whole nation. Komm. Ukr. 41 no. 12: 2-10 D '66

## UKRAINE—ECONOMICS

Improvement and coordination of scientific research in the field of economics. Dop. AN URSS. no. 7: 979 '63

## UKRAINE--ETHNOLOGY

Present and future development of ethnology in Ukrainian  
S.S.R. Dop. AN URSR no. 11:1512 '66

## UKRAINE--FEEDS

System of the production of green forage. N. G. Gerasimchuk,  
IU. A. Uteush. Zimnodelic. 28 no. 10:17-21 O '66

## UKRAINE--FISHPONDS

Treasures of blue fields. Stepan Vashchis. Sov. Ukr. 12  
no. 4:133-141 Ap '62

## UKRAINE--FOREST INSECTS--EXTERMINATION

Improved methods for controlling forest pests. M. R.  
Spector. Lis. hosp., 11s., pap. 1 der. prom. no. 8  
25-26 N-D '66

## UKRAINE--FORESTS AND FORESTRY

Increase the forest wealth of the Ukraine. B. M. Luk'  
lanov. Lis. hosp., 11s., pap. 1 der. prom. no. 6:3-5  
N-D '66

Scientific Council on the problem of the complete utilization  
and reproduction of forest resources of the Ukrainian  
S.S.R. and vegetable raw materials other than  
wood. V. F. Korenev. Bum. i der. prom. no. 3:56 J1-S  
'62

## UKRAINE--FRACTURES

Treatment of fractures in province hospitals of the  
Ukrainian S.S.R. N. A. Korop. Travmatologiya  
no. 1:43-49 '65

## UKRAINE--FRUIT--IRRIGATION

Water expenditure of orchards in irrigation. S. A. Iakov-  
lev. Vod. khoz. no. 4:3-11 '66

## UKRAINE--FURNITURE

Ukrainian furniture at the All-Union Exhibition in  
Moscow. S. Kh. Dzibura. M. I. Biener. Lis. hosp.,  
11s., pap. 1 der. prom. no. 6:32-38 N-D '66

## UKRAINE--FURNITURE INDUSTRY

Use of the wood of birch in the furniture industry of the  
Ukraine. IU. M. Ben'ko. M. I. Biener. Lis. hosp.,  
11s., pap. 1 der. prom. no. 6:12-14 N-D '66

## UKRAINE--GAS, NATURAL--GEOLOGY

Basic problems in the methodology and organization of  
prospecting operations for oil and gas in the eastern  
regions of the Ukrainian S.S.R. B. S. Vorob'ev, V. I.  
Zeleneski. V. I. Zil'berman. Neft. i gaz. prom. no. 1:  
10-14 Ja-Mr '63

## UKRAINE--GAS, NATURAL--STORAGE

Building storage reservoirs for natural gas in the  
Ukraine. V. S. Chernovol. Neft. i gaz. prom. no. 1:  
68-69 Ja-Mr '63

## UKRAINE--GAS INDUSTRY

Petroleum and gas industries of the Ukraine in the first  
four years of the seven-year plan and future goals.  
Neft. i gaz. prom. no. 1:3-5 Ja-Mr '63

Some problems of the development of the petroleum and  
gas industries in the Ukraine. T. Gonta. Komm. Ukr.  
41 no. 1:79-83 Ja '67

## UKRAINE--GAS WELL DRILLING

Further development of the oil and gas industries in the  
Ukraine. V. I. Kullov. Neft. i gaz. prom. no. 3:15-17  
J1-S '63

## UKRAINE--HEMP--DISEASES AND PESTS

Toxicity of some insecticides to the hemp leaf roller  
Grapholita delianella. G. N. Tsybul'ska. Khim. v  
sel'. khoz. 4 no. 12:25-26 D '66

## UKRAINE--HISTORIC HOUSES, ETC.

Plenary session of the organizational committee of the  
Ukrainian Society for the Protection of Historical and  
Cultural Monuments. S. O. Rohushyn. Ukr. ist. zhur.  
10 no. 11:157 N '66

## UKRAINE--HISTORICAL MARKERS

We should protect the precious monuments of national  
culture. K. K. Dubyna. Ukr. ist. zhur. 10 no. 12:3-  
12 D '66

## UKRAINE--HISTORIOGRAPHY

Beginning of the I entia phase in the Ukrainian historio-  
graphy. N. Lipovchenko. Komm. Ukr. 41 no. 12:37-  
18 D '66

Class struggle in the feudal Ukraine in the interpretation  
of Soviet Ukrainian historians. I. M. Hapasonko. Ukr.  
ist. zhur. 10 no. 12:109-114 D '66

## UKRAINE--HISTORY

Rozozhin, A. I. [Reestablishment of Soviet power in the  
Ukraine after the expulsion of German imperialists and  
the rout of the bourgeois nationalist director] Vostan-  
novleniye sovet'skoi vlasti na Ukraine posle izgnaniya  
nemetskikh imperialisov i razgroma burzhuazno-  
natsionalisticheskoi direktorii; konspekt lektsii. Khar'-  
kov, Kharkovskii univ. in-1, 1965, 34 p.  
(CSI-II)

## UKRAINE--HISTORY--PERIODICALS

Our periodical told our readers about its work. I. I.  
Pavlov. Ukr. ist. zhur. 10 no. 12:147-148 D '66

## UKRAINE--HOSPITALS--OUTPATIENT SERVICES

Dispensary observation of invalids using prosthesis and  
orthopedic articles. A. P. Kotov. Travmatologiya  
no. 1:50-56 '65

## UKRAINE--HOTELS, TAVERNS, ETC.

Petrovskii, IU. V. [A hotel at your service] Gostinitsa  
k vashim uslugam. Kyiv, Budivelnik, 1965, 36 p.

## UKRAINE--HUMUS

Group and fractional composition of humus in Cherno-  
zems of the forest-steppe of the Ukraine. V. A.  
Bystriy. Agrobiol. no. 12:66-74 D '66

## UKRAINE--HYBRID CORN

Early silage corn hybrids for the southern Ukraine  
and Moldavia. V. T. Suvorov, N. G. Malova. Gen.,  
sel. i sem. kuk. no. 1:262-272 '65

## UKRAINE--INDUSTRIAL MANAGEMENT--CONGRESSES

Republic-wide conference on the problems of improving  
planned guidance of industry. A. Stepankov. Vop. ekon.  
no. 12:110-142 D '66

## UKRAINE--INDUSTRIES

Matvichuk, M. M. [Organizational work of the party in  
the industry of the Ukraine, 1952-1958] Organizatsion-  
na robota partii u promyslovosti Ukrainy, 1952-1958 rr.  
[Kyiv] Vyd-vo Kyiv's'koho universytetu, 1960, 147 p.  
(CSI-II)

## UKRAINE--INHERITANCE AND SUCCESSION

Institute succession according to the new civil code of  
the Ukrainian S.S.R. A. A. Fainshtein. Pravo. znaystvo  
no. 1:50-56 '65

## UKRAINE--INTERNATIONAL STATUTES

The Ukrainian S.S.R. is a sovereign state. H. Riabo-  
shapko. Rad. pravo. 29 no. 12:15-18 D '66

## UKRAINE--IRRIGATION

Salinization of soils during the irrigation with mineralized  
waters. A. M. Korzh. Vod. khoz. no. 4:113-119 '66  
Underground waters of the Pliocene alluvial deposits of  
the region of actual and prospective irrigation areas  
in the Ingul'-Ingulets interfluve. D. V. Zakrevskii,  
A. A. Kuldashev. Vod. khoz. no. 4:106-112 '66

## UKRAINE--IRRIGATION CANALS AND FLUMES--

### MAINTENANCE AND REPAIR

Resistance of herbicides and wastes of chemical produc-  
tion in soils of irrigation canals. V. P. Batluk, A. A.  
Gurshala. Vod. khoz. no. 4:54-57 '66

## UKRAINE--IRRIGATION FARMING--ECONOMIC

### ASPECTS

Economic evaluation of irrigation systems for farm  
crops in the southern Ukraine. P. D. Khudinkov. Vod.  
khoz. no. 4:179-180 '66

## UKRAINE--KARST

True rate of movement of underground waters in some  
Ukrainian karst regions. V. M. Duhlians'kiy. IU. I.  
Smolov. Dop. AN URSR no. 11:1404-1487 '66

## UKRAINE--LABOR AND LABORING CLASSES

Quantitative changes in the structure of workers employed  
at the industrial enterprises of the Ukrainian S.S.R.  
in the postwar period. V. O. Romanisov. Ukr. ist. zhur.  
10 no. 12:13-21 D '66

## UKRAINE--LAW--CASES

Decisions of the Supreme Court of the Ukrainian S.S.R.  
Rad. pravo. 29 no. 12:92-98 D '66

## UKRAINE--LEGAL RESEARCH

Present-day status and objectives of jurisprudence in the  
Ukrainian S.S.R. Pravo. znaystvo no. 1:3-20 '65

## UKRAINE--LOESS

Boundary of argillaceous fraction in loesses of Ukrainian  
S.S.R. V. F. Kriev. Dokl. AN SSSR 171 no. 2:453-166  
N '66

## UKRAINE--MACHINERY INDUSTRY--MANAGEMENT

Vakul'skiy, N. I. [Continuous operation planning] Nepre-  
ryvnoe operativnoe planirovaniye. Khar'kov, Prapor,  
1965, 79 p.

## UKRAINE--MANUFACTURES

Information. Leh. prom. no. 2:88-94 Ap-Je '62

## UKRAINE--MAPS

Atlas of the Ukrainian S.S.R. and the Moldavian S.S.R.  
I. I. Hurlin, I. P. Starovettenko. Dop. AN URSR no. 11:  
1530-1532 '62

## UKRAINE--MEADOW GRASS

Poa hybrida Gaud. in the Ukraine. O. M. Polarkova. Ukr.  
bot. zhur. 20 no. 1:82-84 '63

## UKRAINE--MERCANTILE BUILDINGS

Commercial and general service enterprises in zones  
of attraction of small towns and rural settlements.  
N. Pogozhina. Stroitel'sk. 14 no. 11:26-28 N '66

## UKRAINE--MINERALS

Terrigenous-mineralogical provinces of Baltic sediments  
A. P. Mel'nyk. Dop. AN URSR no. 11:1477-1481 '66

## UKRAINE--NATIONALISM

Knyaly, Zynovii. [One's own way; the Ukrainian Military  
Organization from the fall of 1922 to the summer of  
1924] Vlasnym iuslom, Ukrain's'ka vils'kova organiza-  
tsiia vld oseny 1922 do lita 1924 roku. Toronto, Sribna  
surma, 1966, 184 p. illus. (Sribna surma; Zbirnyk,  
no. 4)  
(CoU)

## UKRAINE--NOTIONS (MERCHANDISE)

Ways of improving the notions and performers trade.  
I. T. Pak. Sov. poib. koop. 10 no. 12:11-12 D '66

## UKRAINE--NUCLEAR PHYSICS

Work of the Scientific Council on Coordination of Scientific  
Research on the problem "Nuclear physics and the  
use of atomic energy." Dop. AN URSR no. 11:1528-  
1529 '62

## UKRAINE--OIL INDUSTRIES

For the further growth of the oils and fats industry of  
the Ukrainian S.S.R. Masl. -zhil. prom. 28 no. 6:1-2  
Je '62  
Results of the work of the oils and fats enterprises of  
the Ukraine during 1961. I. Sh. Sigman. Masl. -zhil.  
prom. 28 no. 6:3-5 Je '62

## UKRAINE--OIL WELL DRILLING

Economic efficiency of capital investments in deep pros-  
pecting drilling for oil and gas in the Ukraine. M. I.  
Borodovskii. Neft. i gaz. prom. no. 3:35-39 J1-S '63  
Further development of the oil and gas industries in the  
Ukraine. V. I. Kullov. Neft. i gaz. prom. no. 3:15-17  
J1-S '63

## UKRAINE--OIL WELL DRILLING FLUIDS

Using Ukrainian bentonite to obtain clay muds. A. I.  
Zolotareva, Z. F. Fomenko. Neft. i gaz. prom. no. 3:32-  
35 J1-S '63

## UKRAINE--OILS AND FATS--RESEARCH

Scientific Conference in the Ukrainian Scientific Research  
Institute of the Oils and Fats Industry. A. A. Leschuk  
Masl. -zhil. prom. 28 no. 6:46-47 Je '62

## UKRAINE--ORE DEPOSITS

Organic carbon in the ore deposits of the South Ukrainian  
manganese basin. IE. F. Shul'kov. Dop. AN URSR  
no. 7:933-936 '63

## UKRAINE--PAINT INDUSTRY

Economic efficiency of the manufacture of synthetic lac-  
quer resins in the Ukraine. V. N. Sannikov. Khim. prom.  
[Ukr.] no. 3:74-77 J1-S '62

## UKRAINE--PAPER INDUSTRY

Scientific Council on the problem of the complete utiliza-  
tion and reproduction of forest resources of the Ukrainian  
S.S.R. and vegetable raw materials other than  
wood. V. F. Korenev. Bum. i der. prom. no. 3:56 J1-S  
'62

## UKRAINE--PARASITES--JERBOAS

Fleas of the jerboa *Sceloporus tataricus* and a case of their  
spontaneous infection by a *Yersinia* agent. V. I.  
Iurkina. Dop. AN URSR no. 7:976-972 '63

## UKRAINE--PEASANT UPRISINGS

Class struggle in the feudal Ukraine in the interpretation  
of Soviet Ukrainian historians. I. M. Hapasonko. Ukr.  
ist. zhur. 10 no. 12:109-114 D '66

## UKRAINE--PERFUMES

Ways of improving the notions and perfumery trade.  
I. T. Pak. Sov. poib. koop. 10 no. 12:11-12 D '66

## UKRAINE--PETROLEUM GEOLOGY

Basic problems in the methodology and organization of  
prospecting operations for oil and gas in the eastern  
regions of the Ukrainian S.S.R. B. S. Vorob'ev, V. I.  
Zeleneski. V. I. Zil'berman. Neft. i gaz. prom. no. 1:  
10-14 Ja-Mr '63

## UKRAINE--PETROLEUM INDUSTRY

Petroleum and gas industries of the Ukraine in the first  
four years of the seven-year plan and future goals.  
Neft. i gaz. prom. no. 1:3-5 Ja-Mr '63

Some problems of the development of the petroleum and  
gas industries in the Ukraine. T. Gonta. Komm. Ukr.  
41 no. 1:79-83 Ja '67

## UKRAINE--PETROLEUM REFINING

Cyclohexane content in oils and condensates from the  
fields of the Ukraine. V. T. Skliar and others. Neft. i  
gaz. prom. no. 3:54-56 J1-S '63

## UKRAINE--PHARMACISTS

Improvement of pharmacists in the Ukraine. G. A.  
Vaisman, I. A. Minovici. Apt. delo 12 no. 1:81-83 Ja-  
F '63

- UKRAINE—PHLEUM**  
Phleum montanum, C. Beech and closely related species of the Ukrainian flora. I. P. Shumko. Ukr. bot. zhur. 20 no. 1:79-81 '63.
- UKRAINE—POLITICS AND GOVERNMENT**  
[The staffs of people's control, from the experience of the party and government control committees attached to party and executive committees in the provinces, cities, and districts of the Ukrainian S.S.R.] Shtabny narodnoho kontrolu, z dosvidu raboty komitetiv partiizhkontrolu okremih partiizh oblykunkomiv, mists'kikh i raionnykh KPDK Ukrainy. Kyiv, Vyd-vo polit. lit-ry Ukrainy, 1965. 82 p. (CaOTU).
- UKRAINE—POTASH INDUSTRY**  
Production of potassium nitrate and chloride-free nitropotash on the basis of Kalush potassium sulfate. IU. IU. Kuchuk, I. A. P. Mezhrumov. Khim. prom. [Ukr.] no. 3:9-12 J1-S '62.
- UKRAINE—POTTERY, ANCIENT**  
Classification of the plastic pottery of the Chernyakhov cultural type. G. F. Nikulina. Sov. arkh. 10 no. 4:70-81 '62.
- UKRAINE—PUBLIC PROSECUTORS**  
How public prosecutors supervise the observance of laws. Rad. pravo. 29 no. 12:97 D '66.
- UKRAINE—PUBLISHERS AND PUBLISHING**  
Outside the boundaries of a republic. M. Shukovskiy. Knuzh. torg. 17 no. 12:15-16 D '66.
- UKRAINE—PUMPING MACHINERY, ELECTRIC**  
Wear of the parts of submersible electric pumps in operational conditions. N. A. Palyshtin, V. O. Khloz, no. 4:157-164 '66.
- UKRAINE—RECLAMATION OF LAND**  
Reclamation of land is an important problem facing the national economy. I. Andienko, Komm. Ukr. 41 no. 12:11-19 D '66.
- UKRAINE—REGIONAL PLANNING**  
Seminar of the district architects of the Ukraine. G. Rogozhina. Arkh. SSSR no. 8:64-85 '66.
- UKRAINE—RELATIONS (GENERAL) WITH HUNGARY**  
A session devoted to Ukrainian contacts with Hungary. N. M. Klebaniv's'ka. Ukr. ist. zhur. 10 no. 11:158-159 N '66.
- UKRAINE—RESEARCH, INDUSTRIAL—INFORMATION SERVICES**  
Organizing information about the activity of the institute. K. I. Sheikovy. Vest. mashinost. 46 no. 12:78-79 D '66.
- UKRAINE—REVOLUTION OF 1905**  
From the revolutionary past. D. M. Shvarts-Shvartsman. Vop. ist. KPSS II no. 11:120-121 '67.
- UKRAINE—REVOLUTION, 1917-1921**  
Counterrevolutionary contacts between the Central Rada and the White Guard units of the Don Cossacks. T. M. Koltscher. Ukr. ist. zhur. 10 no. 12:86-99 D '66.  
Homon Ukrainy, Vydavnytstvo, Toronto. [Literary calendar of the "Homon Ukrainy" Publishing House for 1967, for the 50th anniversary of the Ukrainian national revolution and the centenary of Canada, 1867-1967.] Al'manakh kalendar... na rik 1967, u 60-ricchchia Ukrainy kol' national'noi revoliutsii i 100-ricchchia Kanady, 1867-1967. Toronto, Makladom Vyd-va "Homon Ukrainy" [n. d.]. 199 p.
- UKRAINE—REVOLUTION, 1917-1921—CAMPAIGNS**  
Military assistance of the Russian people to Ukrainian workers in the struggle against the Central Rada and the troops of Kaledin, December 1917-January 1918. P. L. Harchev. Ukr. ist. zhur. 10 no. 11:103-109 N '66.  
The Red Guards in the rural areas of the left-bank Ukraine, November 1917-January 1918. P. F. Reshod'ko. Ukr. ist. zhur. 10 no. 11:95-102 N '66.  
Some pages from the history of the Red Cossacks' struggle against the Denikin Army. P. D. Hurchanov. Ukr. ist. zhur. 10 no. 11:87-94 N '66.
- UKRAINE—RHODODENDRON**  
Propagation of Rhododendron ponticum L. by cuttings. S. N. Priukhod'ko. Biful. Glav. bot. sadu no. 63:21-22 '66.
- UKRAINE—RICE**  
Moisture and salt conditions of soils of the Solonch complex in the southern Ukraine used in growing rice. I. S. Zhovtonog. Vod. khoz. no. 4:45-53 '66.
- UKRAINE—RITES AND CEREMONIES**  
Horobets', H. L. [National holidays today] Narodni svjata s'hododni. Kyiv, [Vyd-vo "Radians'ka Ukraina"] 1964. 31 p. (Tovarystvo "Znannya" Ukrainy kol' RSR Seriya VII, no. 19).
- UKRAINE—ROAD CONSTRUCTION—TECHNOLOGICAL INNOVATIONS**  
Exhibition of innovations in road construction in Ukraine. K. V. Ipatov. Avt. dor. 28 no. 12:27-28 D '66.
- UKRAINE—ROCKS, SEDIMENTARY**  
Terrigenous-metacological provinces of Baltic sediments. A. P. Molynsk. Dop. AN URSSR no. 11:1477-1481 '66.
- UKRAINE—ROTATION OF CROPS**  
Structure of plantings and crop rotations. A. A. Soloko, M. M. Gorianskii, V. I. Ostapov. Zemledel. 28 no. 12:15-16 '66.
- UKRAINE—RURAL CONSTRUCTION**  
Advanced plan of organization of rural construction. I. Despal't. Stroi. i arkh. 11 no. 11:7-10 N '66.  
Build quickly, inexpensively, and well. N. Mikhailev and others. Stroi. i arkh. 14 no. 11:1-8 N '66.  
Introduction of new materials in rural construction. L. I. Iubimov. Stroi. i arkh. 14 no. 11:15-16 N '66.
- UKRAINE—RURAL CONSTRUCTION—MECHANIZATION**  
Mechanization in rural construction. A. Palma. Stroi. i arkh. 11 no. 11:10-18 N '66.
- UKRAINE—RURAL PLANNING**  
Establish realistic bases for planning rural settlements. V. Zhizdrinskiy, Z. Moiseenko. Stroi. i arkh. 11 no. 11:19-21 N '66.
- UKRAINE—RURAL PLANNING—CONGRESSES**  
Republic Congress on Planning and Construction of Rural Settlements. Stroi. i arkh. 14 no. 11:10 N '66.
- UKRAINE—SERVICE INDUSTRIES**  
Commercial and general service enterprises in zones of attraction of small towns and rural settlements. N. Puzoshina. Stroi. i arkh. 11 no. 11:26-28 N '66.
- UKRAINE—SLAVIC STUDIES**  
The Seventh Conference of Ukrainian Slavists. D. P. Polina, N. O. Stuchkova, H. S. Kiuchkevych. Ukr. ist. zhur. 10 no. 12:110 D '66.
- UKRAINE—SOIL INOCULATION**  
Preparation, use and effectiveness of bacterial fertilizers in the Ukrainian S.S.R. S. A. Samtsevich. Mikrobiologiya II no. 5:923-933 S-O '62.
- UKRAINE—SOLONCHETZ SOILS**  
Moisture and salt conditions of soils of the Solonch complex in the southern Ukraine used in growing rice. I. S. Zhovtonog. Vod. khoz. no. 4:45-53 '66.
- UKRAINE—SOVIETS**  
Our readers inform us. Rad. pravo. 29 no. 12:27-28 D '66.
- UKRAINE—SPRINKLER IRRIGATION**  
Effect of the stand height of crop plants on the reduction of the sprinkled layer falling on the soil using DDA-1003 sprinkler. I. F. Shatunov. Vod. khoz. no. 1:23-28 '66.
- UKRAINE—SPRINKLERS**  
State and the possibility of improving the use of sprinklers. M. A. Gnovevych. Vod. khoz. no. 1:29-36 '66.
- UKRAINE—STRENGTH OF MATERIALS**  
Basic trends in scientific research on problems of the strength of materials in institutions of the Academy of Sciences of Ukrainian S.S.R. Dop. AN URSSR no. 11:1510-1511 '66.  
Founding of the Institute of Strength of Materials of the Academy of Sciences of Ukrainian S.S.R. Dop. AN URSSR no. 11:1510 '66.
- UKRAINE—STRONGYLOIDIASIS**  
Distribution of strongyloidiasis among the rural population of the western regions of the Ukrainian S.S.R. E. A. Shablovskaya. Med. paraz. i paraz. bol. 32 no. 2:168-171 Mr-Apr '63.
- UKRAINE—SUGAR BEETS—FERTILIZERS AND MANURES**  
Efficiency of the use of bono fertilizers in sugar beet growing in the Ukraine. V. S. Karolynkova. Khim. prom. [Ukr.] no. 3:77-78 J1-S '62.
- UKRAINE—SULFURIC ACID INDUSTRY—COSTS**  
Possibility of reducing the cost of production of sulfuric acid in the Ukrainian plants. P. I. Stryhunov. Khim. prom. [Ukr.] no. 3:72-74 J1-S '62.
- UKRAINE—SUMMER RESORTS—DESIGN AND CONSTRUCTION**  
Success of Ukrainian architects. A. Linkov, I. Mezentsov. Stroi. i arkh. 14 no. 11:30-40 N '66.
- UKRAINE—SUNFLOWER SEED OIL**  
For an increase of the production of sunflower seed oil by the Ukrainian factories. A. A. Lesiuis. Masl. -zhir. prom. 28 no. 6:5-7 Je '62.
- UKRAINE—TEXTILE FIBERS, SYNTHETIC**  
Synthetic fibers in the economy of the Ukrainian S.S.R. I. P. Kozleva. Khim. prom. Ukr. no. 9:49-52 N-D '66.
- UKRAINE—TEXTILE FIBERS, SYNTHETIC—HISTORICAL**  
Results of the work of the Ukrainian Scientific Research Institute for the Processing of Synthetic Fibers. I. I. Smolnov. Tekh. prom. no. 2:60-62 Apr-Je '66.
- UKRAINE—TRADE UNIONS**  
The demands of our time. I. Komarov. Sov. prom. 23 no. 2:1-9-11 D '66.
- UKRAINE—TRANSPORTATION**  
Efficient dispatch of freight haulage between the rail-road and automobile transportation systems. I. I. I. chenko. Avt. i avtom. 11 no. 7:18-20 J1 '61.
- UKRAINE—VIEWS**  
Unst' Ukrainy. The youth of the Ukraine. Polotsk, [Kyiv, Molot], 1960. [2] p. (chiefly illus.) text (in-sert) in 6 languages.
- UKRAINE—WAGES—SHOE INDUSTRY**  
Results of the transfer of shoe industry enterprises in the Ukraine to new wage systems. I. I. Kozmychuk. M. I. Hershman. Tekh. prom. no. 2:78-80 Apr-Je '66.
- UKRAINE—WATER, UNDERGROUND**  
True state of movement of underground waters in some Ukrainian karst regions. V. M. Dublinskyi. Stroi. i arkh. 11 no. 11:1484-1487 '66.
- UKRAINE—WHEAT—DISEASES AND PESTS**  
Winter wheat streak mosaic in Ukraine. S. M. Morokovets, A. M. Olinchuk. Mikrobiol. zhur. 28 no. 6:141-50 '66.
- UKRAINE—WINE AND WINE MAKING**  
Okhromenko, N. S. [Wine making and wines in the Ukraine] Vinodol' i vina Ukrainy. Moskva, Pishchevala promyshl., 1960. 338 p.
- UKRAINE—WOODWORKING INDUSTRIES**  
Scientific Council on the problem of the complete utilization and reproduction of forest resources of the Ukrainian S.S.R. and vegetable raw materials other than wood. V. F. Korovin. Prom. i dor. prom. no. 3:56 J1-S '62.
- UKRAINE—WORKS COUNCILS**  
From trade-union group work practice. Sov. prom. 22 no. 2:110-12 D '66.
- UKRAINE—WORLD WAR, 1939-1945**  
Bugrov, N. N. [Raid beyond the Dnieper] Raid na Zakhodoprobo, Aluska, Voen. Izd-vo in-va obor. SSSR, 1964. 125 p. (Geograficheskoe proshloe nashoi Rodiny) (NN).  
Ulin, G. M. [Assault on the Eastern bulwark, liberation of the left-bank Ukraine and the crossing of the Dnieper] Shturm "Vostochnogo vala", osvobodzhennye Levoberezhnii Ukrainy i forsirovanniy Dnipro. Moskva, Voenizdat, 1967. 403 p.  
Visiting the places of our battles. O. L. Kronik. Ukr. ist. zhur. 10 no. 12:146-147 D '66.
- UKRAINE—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS**  
Mass political work of the Central Committee of the Communist Party of the Ukraine behind enemy lines. P. I. Denysenko. Ukr. ist. zhur. 10 no. 12:31-38 D '66.
- UKRAINE—ZOOZOSES**  
Brief news. Zhur. mila obol. i epid. i imunit. 33 no. 6:152-157 Je '62.
- UKRAINE, WESTERN—COMMUNIST PARTY**  
Defense of a doctoral dissertation. E. M. Lavrenko. Ukr. ist. zhur. 10 no. 11:160 N '66.
- UKRAINE, WESTERN—HISTORY**  
V. Podolynskiy. "A word of warning." Ukr. ist. zhur. 10 no. 12:41-51 D '66.
- UKRAINE, WESTERN—TRIALS (POLITICAL CRIMES AND OFFENSES)**  
The trial of 161 Communists in Vladimir-Volynskiy. O. M. Lavorenko. Ukr. ist. zhur. 10 no. 12:123-127 D '66.
- UKRAINIAN ART** see Art, Ukrainian
- UKRAINIAN ART OBJECTS** see Art objects, Ukrainian
- UKRAINIAN FOLK SONGS** see Folk songs, Ukrainian
- UKRAINIAN LANGUAGE—DICTIONARIES—RUSSIAN**  
Bilets'kiy-Nosovko, P. P. [Dictionary of the Ukrainian language] Slovyk ukrains'koj movy. P'iatyuvayda vydannya V. V. Nimchuk. Kyiv, Naukova dumka, 1960. 421 p. (Pam'iatky ukrains'koj movy).
- UKRAINIAN LITERATURE—BIBLIOGRAPHY** see Bibliography—Ukrainian literature
- UKRAINIAN LITERATURE—HISTORY AND CRITICISM**  
Hertzen and the Ukraine. Leonid Khinkulov. Sov. Ukr. 13 no. 1:161-170 Apr '62.



## UKRAINIAN LITERATURE—STUDY AND TEACHING

Kostenko, M. O. [Tasks of teaching Ukrainian literature in the light of the decisions of the 22d Congress of the CPSU] Zaydannya vykladannya ukrains'koi literatury v svitli rishen' XXII z' їzdu KPRS. Kyiv, Radlans'ka shkola, 1963, 50 p.  
(NN)

UKRAINIAN NATIONAL CHARACTERISTICS see National characteristics, Ukrainian

## UKRAINIAN NEWSPAPERS

Features of the creative work. I. Nykov. Komm. Ukr. 41 no. 12 71-75 D '66.  
My thoughts and suggestions. N. Bogush. Komm. Ukr. 41 no. 12 75-76 D '66.  
Newspapers and the party's leadership in the economy. A. Lashchuk. Komm. Ukr. 41 no. 12 77-78 D '66.

## UKRAINIANS

(see also subdivision under Brazil; Slovakia)

Zaporozhchis', Sydir. [Social problems of everyday life] Sotsial'no-publiovyi problemy. Toronto, 1956, 296 p.  
(Col)

## ULAN-UDE—DAIRY INDUSTRY—FINANCE

Reducing production costs and increasing wages in a dairy combine. K. Burdov. Sots. trud. 11 no. 12 126-127 D '66.

## ULAN-UDE—LAW—STUDY AND TEACHING

A new group of public leaders has completed its study of law. G. Subbotin. Sots. zakon. 11 79 N '66.

ULTRADASITE see subdivision under Ural Mountains

## ULTRASONIC COAGULATION

Acoustical method for the low temperature separation of natural hydrocarbon gases. E. P. Mednikov. Trudy. 161 222-233 '62.

## ULTRASONIC TESTING

Quality control of concrete in precast concrete elements with the aid of ultrasonics. S. N. Korotkova. I. S. Koskin. Sbor. trud. ROSSNIVS. no. 24 87-93 '62.

Ultrasonic method for determining the modulus of elasticity of polymeric materials. N. V. Rapp. Plast. massy. no. 9 58-60 '62.

Ultrasonic method to control the production of block polystyrene. I. M. Sunisova, V. P. Onivan. Plast. massy. no. 12 59-60 '66.

Wear resistance changes in P18 steel under the effect of ultrasonic waves. V. N. Chuchin, A. I. Skripichenko. Dokl. AN BSSR. 10 no. 10 783-785 O '66.

## ULTRASONIC WAVES

Anomalous secondary effect on emission from alkali halide diodes in ultrasonic fields. Part 2. V. Kovalev. I. V. AN BSSR, Ser. fiz. 30 no. 12 1905-1911 D '66.

Effect of ultrasonic vibrations on structure-forming processes of aqueous dispersions of kaolinite treated with sodium silicate. V. V. Mikhlenko, S. P. Nichiporenko, N. N. Kunglitskii. Ukr. khim. zhur. 32 no. 12 1302-1304 '66.

Effect of ultrasound on oil suspension of barium sulfate. Preliminary report. G. V. Panenshin. Trudy Novokuz. GIM'V. 32 447-450 '65.

## ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Investigating structure formation of van asphalt concrete by means of ultrasonics. IU. N. Pletetskii. Avi. dok. 29 no. 12 8-10 D '66.

Measurement of electrolyte concentration with a differential ultrasonic instrument. V. A. Novosil and others. Izv. tekhn. no. 6 51-53 Jr '62.

Motion of conjoining oil in a sound pipe in an ultrasonic field. I. M. Skublevskii, A. I. Mikhel'man. Nef. i gaz. prom. no. 3 52-53 Ji-S '63.

Ultrasonic emulsification of oleic acid, tall oil, and ANP-2 in oil-extracting plants. A. A. Baishulakov and others. Gid. zhur. no. 12 51-53 D '66.

## ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Morphological changes in the internal organs and skin caused by local ultrasonic irradiation. S. A. Bershtein. Dop. AN BSSR. no. 7 893-897 '63.

Rate of propagation of ultrasonic oscillations in the blood. I. R. Il'vinskii, Dop. AN BSSR. no. 7 927-929 '63.

## ULTRASONIC WAVES—SCIENTIFIC APPLICATIONS

Use of ultrasonic waves for the isolation of pollen from loesses and clayey rocks. M. P. Grichuk. Vest. Mosk. un. Ser. 5: Geog. 21 no. 6 148-59 N-D '60.

## ULTRASONIC WAVES—SPEED

Relation between the dynamic stability and structural characteristics of liquid. V. B. Baskakova. Zhur. fiz. khim. 40 no. 11 2022-2021 N '66.

Theory of ultrasonic wave propagation in binary mixtures with allowance for collective interaction. A. A. Adkhmov, T. Makhmudov. Dokl. AN Tadzh. SSR. 9 no. 12 11-11 '66.

## ULTRASONIC WAVES—THERAPEUTIC USE

Use of ultrasound in the treatment of phantom pains following amputation of extremities. A. I. Kravchenko. Travmatologiya. no. 1 80-84 '65.

## ULTRASONIC WELDING

Ultrasonic welding of microcircuit components with multi-electrode heating. IU. I. Krasulin, A. P. Kozhennikov, V. I. Kuz'min. Avtom. svyaz. 19 no. 12: 60-61 N [i. d.] '66.

## ULTRASONICS

CdS crystal growing for purposes of ultrasound intensification. L. A. Sysoyev and others. Kristallografiya. 11 no. 6 933-935 N-D '66.

Ultrasonic capillary effect. L. O. Kononov, I. N. Gerasimovich. Dokl. AN BSSR. 6 no. 8 492-493 Ag '62.

Ultrasonic protection of a ship from fouling. A. M. Akseil'band. Trudy Okean. kom. 13 7-9 '62.

## ULTRAVIOLET RAYS

The nature of the effect on paramagnetic resonance spectra of amino acids and proteins under the influence of ultraviolet light. O. A. Azizova. Biofizika. 6 no. 5 556-60 '63.

Reactions of some saturated monochloroacids with hydrogen peroxide subjected to ultraviolet irradiation. V. F. Shulygin and others. Zhur. org. khim. 2 no. 11 2007-2011 N '66.

Study of methacrylamide grafting to tetracetate cellulose films under the effect of ultraviolet irradiation. S. K. Kudrina. Vysokom. soed. 8 no. 10 1823-1827 O '66.  
Study on the radioprotective properties of irradiated and ultraviolet rays in lesions caused by X rays. Azerb. med. zhur. 40 no. 3 44-55 Mr '63.

ULTRAVIOLET RAYS—EFFECT ON PLANTS see Plants, Effect of ultraviolet rays on

## ULTRAVIOLET RAYS—INDUSTRIAL APPLICATIONS

Pasteurization of milk by ultraviolet rays. V. P. Kozlov, V. A. Baidak, V. M. Belonov. Veterinarin. 13 no. 1 91-93 Ja '67.

## ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Autotrophic variants of *Salmonella typhimurium* produced under the influence of ultraviolet rays. Report No. 1. Isolation and identification. V. G. Pelyovskaya, N. B. Prokhorov, Chizhova G. N. [Chizhova G. N.]. Zhur. mikrobiol., epidemiol. i g. 33 no. 6 37-43 Jr '62.  
Effect of ultraviolet irradiation on catalytic performance activity. I. D. Ivanov, P. P. Rakhilova. Ukr. biokhim. zhur. 38 no. 6 625-629 '66.

Problem of the effect of meal from pine needles and ultraviolet radiation on the development of young pigs and their resistance to diseases. B. I. Kondakov. Shch. nauch. rab. SibNIV. no. 11 235-238 '62.

Respiration of mutants from the genus *Aspergillus* grown under the influence of ultraviolet rays. R. N. Gribeshova. Mikrobiologiya. 31 no. 5 838-841 S-O '62.

Variability of *Aspergillus niger* induced by combined effect of ethylmethine and ultraviolet rays. A. A. Imshenetskiy, L. A. Kuz'mina. Mikrobiologiya. 35 no. 5 812-816 S-O '66.

## ULTRAVIOLET RAYS—THERAPEUTIC USE

Effect of some non-specific factors on the natural resistance of the body and postvaccination immunity. O. A. Babayeva. Azerb. med. zhur. 10 no. 9 58-56 S '63.

ULTRAVIOLET SPECTRUM see Spectrum, Ultraviolet

## ULUNTUY VALLEY—WATER, UNDERGROUND

Water content of rocks of Uluntuy basin depth gradient. O. A. Bogatyreva. Nauch. trudy Perm. polit. tekhn. inst. no. 12 81-84 pl. 1 '62.

## UL'YANOVKA DISTRICT—FEEDS

Ways for increasing the effectiveness of animal husbandry. S. S. Rybakina, F. M. Gordienko. Veterinarin. 43 no. 12 6-8 D '66.

## UL'YANOVSK—CITY PLANNING

Ul'yanovsk in the scaffolds of new construction. A. Brosman. Na. Strof. Rev. 7 no. 11 26-27 N '66.

## UL'YANOVSK—PENSIONS

Reward for the worthy ones. IU. Leonov. Sots. zhesp. 41 no. 12 26-27 D '66.

## UMBILICUS—DISEASES

Umbilical fistulas in children. S. D. Lemberanskaya. Azerb. med. zhur. no. 7 37-40 Ji '62.

## UMOV, NIKOLAI ALEKSEEVICH, 1840-1915

N. A. Umov on the methodological aspects of the physical nature of life. A. I. Alekhin. Vest. Mosk. un. Ser. 8: Filos. 21 no. 5 82-86 S-O '66.

## UNDECENOIC ACID

Study of the fungicidal properties of almond essence strengthening the antifungal action of undecylenic acid. Vest. dermat. ven. no. 12 54-57 '62.

## UNDECYL ALCOHOL

Analysis of a mixture of 1-undecanol and 2-methyl-1-undecanol by gas chromatography. L. A. Shutkova. Trudy VNISNDV. no. 7 155-157 '65.

## UNDERDEVELOPED AREAS—ECONOMIC POLICY

Manov, K. P. [Bypassing capitalism] Minuta kapitalizm. Moskva, Znanie, 1966, 70 p. (Novoe v zhizni, nauke, tekhnike. VII Seriya; Mezhdunarodnaya, no. 23/24)

## UNDERGROUND STRUCTURES—CATHODIC PROTECTION

Planning joint corrosion prevention. N. P. Badaev, D. Ia. Averbukh. Gaz. prom. 11 no. 11 29-31 '66.

UNDERGROUND WATER see Water, Underground

## UNDERWATER EXPLOSIONS

Propagation of a shock wave in a reservoir of uniform depth at a large distance from the place of the explosion. B. A. Lugovtsov. PMTF. no. 3 31-30 My-Jr '62.

## UNDERWATER TELEVISION

Using "Krab-2" television unit for sag pipe inspection. G. S. Andreev, IU. F. Kozlovskii. Gid. prom. 11 no. 11: 25 '66.

## UNIT OPERATION OF OIL FIELDS

Optimization of spacing of new wells in fields of oil field administrations. M. I. Manafov. Azerb. med. zhur. 15 no. 12 47-50 D '66.

## UNITED ARAB REPUBLIC—FOREIGN ECONOMIC RELATIONS—ARAB COUNTRIES

Economic ties between the United Arab Republic and other Arab countries. E. G. Asaly. Na. Strof. Rev. no. 11 22-29 '66.

## UNITED ARAB REPUBLIC—IRON ORES

Geology and of prospecting methods used in the Aswan iron-ore deposit in the United Arab Republic. R. M. Sherif. Izv. vys. uch. zav. geol. i razv. 6 no. 1 73-80 Ja '63.

## UNITED STATES—AIR DEFENSES

Some problems of anti-orbit and antispace defense. P. L. Sergeev. Mol. shoi. 19 no. 10 79-82 O '66.

## UNITED STATES—AUDIO-VISUAL EDUCATION

Use of audio-visual equipment in teaching and educational research in the United States. A. V. Netushil. Sov. pedagog. 30 no. 6 125-131 Jr '66.

## UNITED STATES—BIG BUSINESS

Gentlemen from the "golden Olympus." I. Ermashev. Nav. mir. 39 no. 7 278-281 Mr '63.

## UNITED STATES—BUDGET

Deficit of the U. S. A. budget and its consequences. IU. Serkeev. Fin. SSR. 10 no. 11 86-88 N '66.

## UNITED STATES—CIVIL WAR

N. G. Chernyshevskii on the international relations of the U. S. A. and the plans of each belligerent party during the Civil War, 1861-1862. I. I. L'vovskiy, Uch. zap. Mord. gos. un. no. 51 9-112 pl. 1 '65.

## UNITED STATES—COAL, PULVERIZED

Preparation of colloidal coal suspensions by means of atomic radiation. Kovs. i khim. no. 6 55 '62.

## UNITED STATES—DESCRIPTION AND TRAVEL

From New York to Los Angeles. G. Barikov, V. Shchetinin. Mol. komm. no. 3 92-104 Mr '61.

## UNITED STATES—ECONOMIC CONDITIONS

Akademika nauk SSSR, Institut mirov. i ekonomiki. [Mezhdunarodnyy ekonomicheskii. [Political life in the U. S. A., problems of internal policy] Politicheskaya zhizn' v SSHA, problemy vnutrennei politiki. Moskva, Nauka, 1966, 201 p.

## UNITED STATES—ECONOMIC POLICY

Message of the President of the United States. V. Belozhkov. Nov. vrem. 25 no. 1 15 Ja '67.

## UNITED STATES—EDUCATION

The Federal Government of the United States and education. G. Mikaberidze. Na. Strof. Rev. no. 12 61-68 D '66.

## UNITED STATES—EDUCATIONAL RESEARCH

Use of audio-visual equipment in teaching and educational research in the United States. A. V. Netushil. Sov. pedagog. 30 no. 6 125-131 Jr '66.

## UNITED STATES—ELECTRIC TRANSFORMERS

Gas-filled 10,000 kva power transformer (from "Electrical Engineering," no. 8 1959, and "Electrical World," no. 2, no. 9 1959, and no. 7 1960). I. B. Glezer. Prom. energ. 10 no. 1 52-53 Ja '61.

## UNITED STATES—ELECTRICITY, INJURIES FROM

Statistics of fatal accidents at electrical enterprises in the United States for 1958 (from "EE Bulletin," no. 7 1959). Ia. E. Vol'kovich. Prom. energ. 16 no. 1 53-54 Ja '61.

## UNITED STATES—ELECTRONIC INDUSTRIES

Business operations of American munitions monopolies in the production of electronic calculating machines. S. S. Rozhevskaya. Trudy LPI. no. 201 131-141 '66.

## UNITED STATES—ELECTRONICS IN MILITARY ENGINEERING

Business operations of American munitions monopolies in the production of electronic calculating machines. S. S. Rozhevskaya. Trudy LPI. no. 201 131-141 '66.

- UNITED STATES—FOREIGN POLICY**  
Political struggle in the ruling circles of the United States of America related to the problem of foreign policy, August 1951. S. V. Volkov. Trudy TGU 10 28-47 '65.
- UNITED STATES—FOREIGN RELATIONS**  
The foreign policy of the United States in the last 10 years. I. U. Melnikov. Zh. Vostochn. nauch. 14 no. 1 95-99 '65.  
How capitalist monopolies influenced the policy of the U.S. Government in the Far East, 1945-1949. B. S. Zhigalov. Trudy TGU 10 10-18 '65.
- UNITED STATES—FOREIGN RELATIONS—FAR EAST**  
Efforts of American diplomacy to establish U.S. control over the Chinese Eastern Railroad at the Washington Conference of 1921-1922. V. S. Melnikov. Trudy TGU 10 71-82 '65.
- UNITED STATES—FOREIGN RELATIONS—LATIN AMERICA**  
Seleznov, G. K. [Johnson's doctrine] is a threat to the peoples of Latin America. "Doklady i zhurnal" - ugroza narodam Latinsko Ameriki. Moskva, Znanie, 1967. 45 p. (Notovskiy zhurnal nauke, tekhnike i vshchey Mezhduimirovaya, no. 1)
- UNITED STATES—INSULAR POSSESSIONS**  
The U.S.A. and the allotment of German colonies in the Pacific region during the First World War. I. A. Dombrovskiy. Trudy TGU 10 129-146 '65.
- UNITED STATES—INTELLIGENCE SERVICE**  
The American intelligence organization. I. Morozov. Kommunist 44 no. 2 123-127 '67.
- UNITED STATES—IRRIGATION**  
Irrigation of wheat and other crops in the U.S.A. by Bartshev. Gidrotmel 18 no. 12 36-56 D '66.
- UNITED STATES—IRRIGATION FARMING**  
Irrigation of farms in the U.S.A. V. Gornitskiy. Zemledelie 20 no. 10 72-73 O '65.
- UNITED STATES—LABOR AND LABORING CLASSES**  
American labor stories. V. Landshov. Sov. profsoyuzy 22 no. 24 39 D '66.
- UNITED STATES—MEDICAL CARE, COST OF**  
"Kondike" in medicine, through the pages of the foreign press. Agitator no. 18 53 S '62.
- UNITED STATES—MILITARY POLICY**  
A demonstration of recklessness. Nov. vrem. 25 no. 2-3 Ja '67.  
Message of the President of the United States. V. Belezhev. Nov. vrem. 25 no. 4 16 Ja '67.  
Political struggle in the ruling circles of the United States of America related to the problems of foreign policy, May-August 1951. S. V. Volkov. Trudy TGU 10 28-47 '65.
- UNITED STATES—MUNITIONS**  
Pheker, Herbert. [A symposium, disarmament and the American economy, a study of the ideological, political, and economic problems of disarmament. Translated from the English] Razoruzhenie i ekonomika SSHA (materialy simpoziuma), izucheniye ideologicheskikh, politicheskikh i ekonomicheskikh problem razoruzheniya. Moskva, Izd-vo inostr. lit-ry, 1961. 85 p. (RNC)
- UNITED STATES—OIL WELLS—HYDRAULIC FRACTURING**  
Hydraulic fracturing in fields in the United States. N. S. Antsyankina. Neft. i gaz prom. no. 1, 78-79 Jan-Mr '63.
- UNITED STATES—PETROLEUM PIPELINES**  
Development of the petroleum pipeline system in the U.S.A. S. B. Smukhter. Ekon. nait. i ob. prory no. 5 32-35 '66.
- UNITED STATES—PIONEERS (COMMUNIST YOUTH)**  
Eisman, Harry. [Red neckties in the land of the dollar] Krasnye galafuki v strane dollars. [Moskva] Molodaya gvardiya, 1968. 124 p.
- UNITED STATES—POLITICS AND GOVERNMENT**  
Akademika nauk SSSR, Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. [Political life in the U.S.A., problems of internal policy] Politicheskaya zhizn' v SSHA, problemy vnutrenney politiki. Moskva, Nauka, 1966. 294 p.  
A "big reshuffle" in Washington. A. Butitskiy. Nov. vrem. 25 no. 3 22-23 Ja '67.  
Gentlemen from the "golden Olympus." I. Ermashev. Nov. mtr 30 no. 3 278-281 Mr '63.
- UNITED STATES—RELATIONS (GENERAL) WITH GREAT BRITAIN**  
Anglo-American relations from the position of Anglo-Saxon unity. Z. V. Bolobaeva. Trudy TGU 10 147-152 '65.
- UNITED STATES—RETAIL TRADE—STATISTICS**  
What the census of trade in the U.S.A. shows. G. Basovskaya. Sov. org. 40 no. 1 50-52 Ja '67.
- UNITED STATES—RUSSIAN STUDIES**  
Works on the Soviet Union published by progressive American authors. I. V. Smirnov. Izv. SSSR 10 no. 6 119-181 N-D '66.
- UNITED STATES—SCIENTISTS, WEST EUROPEAN**  
Robbing the "brain trust" of Europe. G. Korotavskiy. Komsomol. 41 no. 12 79-83 D '66.
- UNITED STATES—SHIPS**  
American-made ship. Sudostroyeniye 28 no. 12 70-71 D '62.
- UNITED STATES—SOCIAL CONDITIONS**  
From New York to Los Angeles. G. Butikov, V. Shchegolev. Mol. komm. no. 3 92-104 Mr '61.
- UNITED STATES—SOCIOLOGY**  
Is the patriarchal vanishing? N. Gaurner. Nov. vrem. 25 no. 3 3-7 Ja '67.  
Novikov, N. V. [American bourgeois sociology in the 20th century] Amerikanskaya burzhuanaya sotsiologiya v XX veke. Moskva, Znanie, 1966. 30 p. (Novoe v zhizni, nauke, tekhnike, il Seriya, Filosofiya, no. 24)
- UNITED STATES—STRIKES AND LOCKOUTS**  
Laboring classes of the U.S.A. continue their struggle. N. Mostovets. Agitator no. 2 50-52 Ja '62.
- UNITED STATES—TECHNOLOGISTS, WEST EUROPEAN**  
Robbing the "brain trust" of Europe. G. Korotavskiy. Komm. Upr. 11 no. 12 79-83 D '66.
- UNITED STATES—TRADE UNIONS**  
The conflict in the American trade-union leadership. G. Kuznetsov. Nov. vrem. 25 no. 4 21-22 '67.
- UNITIZED CARGO SYSTEMS**  
Danilov, D. I. And V. V. Beletskiy. [Progressive methods of shipping cargo by sea] Progressivnye metody morskiikh perevozok gruzov. Moskva, Transport, 1966. 159 p.  
Selecting the best means for the shipping of unitized cargo. A. S. Kleiman. Trudy Soizuzmorniflota no. 7 82-94 '65.
- UNITS**  
Introduction of the International Unit System in the U.S.S.R. Geol. geofiz. no. 9 134-137 '63.
- UNIVERSAL DECIMAL CLASSIFICATION** see Classification, Universal decimal
- UNIVERSE** see Cosmology
- UNIVERSITIES AND COLLEGES**  
This should be corrected. G. I. Folomeev. Vest. vyzhiv. 24 no. 12 85-86 D '66.
- UNIVERSITIES AND COLLEGES—BUILDINGS** see subdivision under Sovastopol
- UNIVERSITIES AND COLLEGES—GRADUATE WORK**  
We should work out a detailed program for the training of graduate students. P. A. Kuvshinskiy. Vest. vyzhiv. 24 no. 12 43-45 D '66.
- UNSATURATED COMPOUNDS**  
Ethyne and diene amines. Part 6: Ethylene diamines. I. A. Matveina, A. A. Petrov. Zhur. org. khim. 2 no. 11 1694-1697 N '66.  
Preparation and properties of ethylene-propylene-acetylene copolymers. P. E. Matkovskiy and others. Vysokom. speed 8 no. 10 1712-1716 O '66.  
Tertiary trihydric alcohols of acetylenic and ethylenic series and their chemical transformations. Part 35: Monomers, their hydrogenation. V. I. Nikitina and others. Zhur. org. khim. 2 no. 11 1669-1673 N '66.
- UPIOLSTERY**  
Use of tissues with synthetic fibers in the manufacture of upholstered furniture. N. A. Morozov, K. A. Kostuchenko, Z. M. Genkina. Der. prom. 15 no. 12 3-4 D '65.
- UPPER ATMOSPHERE** see Atmosphere, Upper
- UPPER VOLTA—ANIMALS AS CARRIERS OF DISEASE**  
Distribution and control of parasitic diseases in the Upper Volta Republic review of literature. A. S. Klamov. Med. parazit. i parazit. bol. 32 no. 2 216-220 Mr-Apr '63.
- URACIL**  
Qualitative detection of methylthiouracil. V. I. Lobanov. Zhur. anal. khim. 21 no. 12 1606-1607 '66.  
Role of the nervous system in the processes of thyroid gland hyperplasia. M. E. Shatkov. Probl. endok. i gorm. 9 no. 1 18-23 Ja-F '63.  
Simple method for determining the concentration of fluorouracil in biological fluids. A. Z. Smolanskaya, N. N. Agadzhanova. Vop. onk. 12 no. 12 70-73 '66.
- URAL MOUNTAIN REGION—AGRICULTURE, COOPERATIVE**  
History of the organization and work of a group of associated communes in the Shatrovo Township in 1923-1925. A. F. Funtov. Vop. ist. Urala no. 4 103-122 '63.
- URAL MOUNTAIN REGION—ARCHITECTURE AND CLIMATE**  
Optimal orientation of apartment houses in regions of Central Ural. V. Blinov, G. Shumakov. Arkh. 65 11 no. 8 29-31 '66.
- URAL MOUNTAIN REGION—CLAY**  
Authentic clay formation in Pushkarskaya and Kuvshinovskaya valleys of the Ural. I. T. Klubovskiy. Mol. komm. 41 no. 4 161-195 Ji-Apr '66.
- URAL MOUNTAIN REGION—COLLECTIVE FARMS**  
"Day of Harvest and collectivization" in the Ural Mountain region in 1929. V. I. Mukhachev. Vop. ist. Urala no. 4 159-169 '63.
- URAL MOUNTAIN REGION—COST AND STANDARD OF LIVING**  
The standard of living of artisans and workers in the southern Ural Mountain region in the second half of the 18th century. P. A. Vagina. Vop. ist. Urala no. 1, 7 22 '63.
- URAL MOUNTAIN REGION—ELECTRIC EQUIPMENT INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
Production innovations of the Electrical Installation Plant of the Ural Region. Mont. i spets. tekhn. i avtom. 75 no. 9 14-17 S '61.
- URAL MOUNTAIN REGION—EXCAVATING MACHINERY**  
Increasing the capacity and operational reliability of PKG-4 excavators. V. N. Tselov. Sit. i ist. mash. 8 no. 6 5-6 Ju '61.
- URAL MOUNTAIN REGION—GEOLOGY, STRUCTURAL**  
Outline of tectonics of Lemvy facies-struct. zone (western slope of subalpine Ural Mountain Region). K. I. Vukovskiy-Kugler. Bul. MOIP, Otd. geol. 11 no. 1 5-20 Ji-Apr '66.
- URAL MOUNTAIN REGION—HISTORY**  
Chelabinskii gosudarstvennyi pedagogicheskii institut. [From the history of the revolutionary movement and socialist construction in the southern Ural region] Iz istorii revolyutsionnogo dvizheniya i sotsialisticheskogo stroitel'stva na Uralnom Urale; sbornik statei. Chelabinsk, 1958. 333 p. (MI)
- URAL MOUNTAIN REGION—HOURS OF LABOR**  
The hours of labor at the government-owned industrial plants of the Ural Mountain region in the 18th and early 19th centuries. A. G. Korotov. Vop. ist. Urala no. 4 23-25 '63.
- URAL MOUNTAIN REGION—INDUSTRIES**  
Privately-owned industrial plants of the Ural Mountain region on the eve of the Reform of 1861 and the revolutionary situation of 1860-1861. G. A. Kulagina. Vop. ist. Urala no. 4 55-61 '63.
- URAL MOUNTAIN REGION—LABOR AND LABORING CLASSES**  
Hereditary class of hired laborers in the mineral industries of the Ural Mountain region in the 18th and the first half of the 19th century. V. A. Krutynogov. Vop. ist. Urala no. 4 31-54 '63.  
History of the formation of the socialist laboring classes in the Ural Mountain region. V. V. Adamov. Vop. ist. Urala no. 4 82-102 '63.
- URAL MOUNTAIN REGION—ORE DEPOSITS—TABLES, CALCULATIONS, ETC.**  
Shimokhina. In exploiting and calculating reserves of "Krylovskaya-Chernomorsko" gold ore deposits. S. M. Aganov. Mat. izk. no. 4 10-17 '66.
- URAL MOUNTAIN REGION—PEASANTRY**  
Socioeconomic relations in the rural areas of the Ural Mountain region on the eve of collectivization. N. V. Efremovskiy. Vop. ist. Urala no. 4 123-150 '63.
- URAL MOUNTAIN REGION—PETROLEUM PIPELINES**  
Control of oil and petroleum products losses in main lines of Ural-Siberian Petroleum Pipelines Administration. N. K. Boitsova. Tishin. i kham. neft. i nefteprod. no. 10 8-9 '68.
- URAL MOUNTAIN REGION—SOCIAL CONDITIONS**  
Social and economic characteristics of the central trans-Ural region at the end of the 18th century; based on the materials of the "Topographic description of the Tselinsk Namestnichestvo, 1790." I. M. Rukavina. Izv. SSSR AN SSSR no. 8. Ser. obshchestv. nauk no. 3 100-112 '66.
- URAL MOUNTAIN REGION—SOIL MICRO-ORGANISMS**  
Study of lipomyces in Podzol soils. A. Ya. Tikhonovskiy. Mikrobiologiya 31 no. 2 307-313 Mr-Apr '62.
- URAL MOUNTAIN REGION—STUDENTS—POLITICAL ACTIVITY**  
How the party organization of the Ural Mountain region struggled for the ideological and political control of the institutions of higher education. V. G. Chufarov. Vop. ist. Urala no. 4 170-180 '63.

## URAL MOUNTAINS—BORON

New boron manifestation in Urals, S. N. Agulov, S. V. Matin, *Min. syfte* no. 11, 176-182 '66.

## URAL MOUNTAINS—BOTANY

Corchakovskii, P. L. [Flora and vegetation of the Ural Highlands] *Flora i Tsistil'nost' vysokogor' Urala* Sverdlovsk, 1966. 270 p. (Akademika nauk SSSR, Ural'skii filial Institut biologii) Trudy, no. 46

## URAL MOUNTAINS—COPPER ORES

Distribution of exogenous copper concentrations in Ural Mountain region V. I. Maluga, M. I. Proskurakov, T. N. Sokolova, *Lit i pol. lekop.* no. 6 89-100 N-D '66

## URAL MOUNTAINS—ECLOGITE

Eclogites of Shubino (Southern Urals) and possibilities of their practical use. A. I. Arkhipenko, *Min. syfte* no. 14 183-192 '66

Hastingsite from eclogites of Shubino (Southern Urals) A. I. Arkhipenko, *Min. syfte* no. 12, 126-129 '66

## URAL MOUNTAINS—FOLDS (GEOLOGY)

Interrelationship of fold systems in Urals and Timan Range, A. S. Novichenko, *Sov. geol.* 9 no. 12 29-37 D '66

## URAL MOUNTAINS—GEOLOGICAL TIME

Absolute chronology of the Holocene of Central Urals N. A. Khotimskii, A. L. Dvinskii, N. G. Markova, *Dokl. AN SSSR* 171 no. 5, 1161-1166 D '66

## URAL MOUNTAINS—GEOLOGY, STRUCTURAL

Latitudinal and sublatitudinal structures of Urals, G. I. Chervakovskii and others, *Sov. geol.* 9 no. 11 35-43 N '66

## URAL MOUNTAINS—HASTINGSITE

Hastingsite from eclogites of Shubino (Southern Urals), A. I. Arkhipenko, *Min. syfte* no. 12 126-129 '66

## URAL MOUNTAINS—MINING ENGINEERING

Measures for the free caving of a roof in chambers of northern Ural bauxite mines, B. A. Vol'khin, *Izv. vuz. ucheb. zav. gor. zhur.* 6 no. 3, 55-59 '63

## URAL MOUNTAINS—ORE DEPOSITS

Make fuller use of Ural iron ore deposits, V. L. Kolibaeva, E. M. Korakov, *Goi zhur.* no. 11-7-10 N '66

Origin of sulfide fragmentary-type isolations in formations overlying pyritic deposits, on example of "10th Party Congress" deposit in southern Urals, S. N. Ivanov, S. A. Rokachev, *Geol. i metalorozn.* 8 no. 6, 66-79 N-D '66

## URAL MOUNTAINS—TRACE ELEMENTS

Dorisenko, L. F. [Rare and minor elements in ultrabasic rocks of the Urals] *Redkie i malye elementy v giperbazitakh Urala*, Moskva, Nauka, 1966. 222 p.

## URAL MOUNTAINS—ULTRABASITE

Dorisenko, L. F. [Rare and minor elements in ultrabasic rocks of the Urals] *Redkie i malye elementy v giperbazitakh Urala*, Moskva, Nauka, 1966. 222 p.

## URAL MOUNTAINS—VOLCANIC ASH, TUFF, ETC.—ANALYSIS

Composition of tuffaceous pelitomorphic rocks from Devonian marine formations in Southern Urals, I. V. Khivirova, E. S. Zaimanov, *Lit i pol. lekop.* no. 6 19-34 N-D '66

## URAL VALLEY—GEOLOGY, STRUCTURAL

Characteristics of location of local structures in northern part of Ural-Volga interfluve, P. I. Avrov, I. M. Rikhar, *Izv. AN Kazakh SSR, Ser. geol.* 23 no. 5 51-55 S-O '66

## URAL-VOLGA PETROLEUM REGION see Second Baku

## URAL'SK PROVINCE—GRAIN

Development of grain farming in Ural'sk Province, B. Zhimagaliev, *Ekon. sel'khoz.* 42 no. 12, 70-76 D '66

## URANIC ACID

Study of mixed sodium and calcium uranates, Vikt. I. Splitin, Wang Shih-hun, L. M. Kovba, *Vost. Mosk. un. Ser. 2, Khim.* 17 no. 5, 60-62 S-O '62

## URANITE—THERMODYNAMICS

Some thermodynamic data on stability of uraninites of variable composition in supergene conditions, A. A. Drozdovskaya, I. U. P. Mel'nik, *Atom. energ.* 21 no. 6, 463-462 D '66

## URANIUM

(see also subdivision under White Russia)

Energy dependence of angular distribution of fragments in U<sup>235</sup>, U<sup>238</sup>, and Pu<sup>239</sup> fission by neutrons, V. G. Nestorov, G. N. Smirenkin, D. L. Shap, *IAD, fiz.* 4 no. 5, 983-1001 N '66

Experimental data on conditions for uranium precipitation from hydrothermal solutions by metal disulfides, B. S. Ostrov, *Atom. energ.* 21 no. 6, 470-163 D '66

Interaction between tetravalent uranium and molten chloride - fluoride NaCl-KCl-NaF, M. V. Smirnov, A. P. Koshkin, V. E. Komarov, *Atom. energ.* 21 no. 6 476-176 D '66

Study of the system uranium (IV) - uranium (III), I. P. Alimarin, E. R. Nikolova, V. M. Masalovich, *Vest. Mosk. un. Ser. 2, Khim.* 17 no. 5 50-54 '62

## URANIUM—ANALYSIS

Photochemical reactions in analytical chemistry, Report No. 1: Using photochemical reduction of uranium (VI) to uranium (IV) for its titrimetric determination in sulfuric acid solutions, A. A. Nemodruk, E. V. Bezrogoza, *Zhur. anal. khim.* 21 no. 10, 1210-1216 '66

## URANIUM—TOXICOLOGY

Late sequelae of inhalation infection in dogs due to a mixture of uranium hexafluoride, B. A. Markelov, S. I. Kotova, I. V. Chikakova, *Med. rad.* 7 no. 8, 69-74 Ag '62

## URANIUM HALIDES

Carbamide-containing uranium (IV) halides, V. A. Golovina, G. T. Bolotova, *Zhur. neorg. khim.* 11 no. 11, 2643-2651 N '66

## URANIUM ISOTOPES

Delayed  $\gamma$ -radiation from U<sup>235</sup> fission fragments on slow neutrons, L. A. Popko and others, *Izv. AN SSSR Ser. fiz.* 30 no. 12 2010-2047 D '66

## URANIUM ORES

(see also subdivision under Caspian Sea)

Role of tectonic conditions in formation of sedimentary-lyellated uranium deposits, A. I. Pak, *Uzb. geol. zhur.* 10 no. 5, 562-58 '66

## URANIUM OXIDES

Carbothermic reduction of polymorphous uranium trioxide, E. V. Tserhenko, V. G. Vlasov, *Izv. AN SSSR Neorg. mat.* 2 no. 12, 2181-2185 D '66

## URANYL COMPOUNDS

Reduction of uranyl vanadates with hydrogen, Wang Shih-hun, L. M. Kovba, *Vest. Mosk. un. Ser. 2, Khim.* 17 no. 5, 63-65 S-O '62

Spectroscopic study of sensitized luminescence of rare earth ions of tetraethylenesulfate crystals, I. U. Krastov, I. U. A. Poljakov, I. U. P. Rudnikskii, *Izv. AN SSSR Neorg. mat.* 2 no. 12, 2186-2196 D '66

## URANYL OXALATES

Substitution reactions in oxalate compounds of uranyl of nitrate type in the presence of thiocyanate ions, R. N. Shchelokov, I. M. Shalagina, I. I. Chernitsaev, *Zhur. neorg. khim.* 11 no. 11, 2652-2661 N '66

## URCA

Carbamide-containing uranium (IV) halides, V. A. Golovina, G. T. Bolotova, *Zhur. neorg. khim.* 11 no. 11, 2643-2651 N '66

Effect of  $\beta$ -methylaspartic acid on the formation of urea in liver homogenates, I. S. Severina, *Biokhimiya* 27 no. 5, 943-940 S-O '62

Interaction of carbamide and ammonium salts, A. G. Tretyakov, *Trudy Un. druzh. nar.* 11, Ser. fiz. nauk, no. 1 47-61 '66

Interaction of the thiourea complex of tellurium with Reinecke salt, I. L. Bogdanov, I. K. Guseinov, *Dokl. AN Azerb. SSR* 18 no. 4, 27-29 '62

Temperatures of the formation of carbamide complexes with individual normal alkanes (C<sub>3</sub> - C<sub>10</sub>) and their binary mixtures, V. A. Matishov, *Khim. i tekhn. topl. i mass.* 11 no. 11, 18-22 N '66

## UREA AS FEED

Vitamin content of the milk of cows fed rations containing urea, L. A. Kruglova, *Khim. v sel'khoz.* 1 no. 12, 10-51 D '66

## UREASE

Urease activity of Brucella, S. P. Morinov, *Zhur. mikrobiol., epid. i imm.* 43 no. 11, 91-94 N '66

## URETERS—DISEASES

Zhukova, M. N., B. V. Klucharev, and V. I. Rozhdetsven'skii, [Surgical diseases of the kidneys and ureters] *Khirurgicheskie zabolevaniya pochek i mochetnikov*, [Leningrad] Meditsina, 1965. 506 p. (DNL)

## URETHANES

Some properties of aromatic and aliphatic polyurethanes, N. I. Skripchenko, O. I. A. Fedotova, I. P. Losev, *Trudy MKFTI* no. 42, 130-136 '63

## URETHANES—PHYSIOLOGICAL EFFECT

Strengthening the blastomogenic action of urethane by administering it to mice long after the effect of penetrating radiation, N. V. Kozlova, *Vop. radiobiol.* 4: 332-330 '61

## URETHRA—DISEASES

Nongonorrheal urethritis, G. E. Solomonik, V. M. Liverte, *Vest. druzh. nar.* 37 no. 3, 43-46 Mr '63

## URETHRA—SURGERY

Karpukhin, V. T. [Restoration of the urethra by means of homotransplant] *Vosstanovlenie uretry s pomoshch'yu gemotransplantata*, Moskva, Meditsina, 1966. 154 p.

## URIDINE PHOSPHATES

Mechanism of uridine diphosphoglucose synthesis of glycogen in human leucocytes, L. F. Selts, I. S. Laganova, A. D. Vladimirova, *Biokhimiya* 28 no. 2, 295-302 N-D '63

## URINARY ORGANS—DISEASES

Laryngoscopy and its diagnostic importance in urinary schistosomiasis, F. G. Aslanov, *Med. paraz. i paraz. bol.* 31 no. 5, 533-538 S-O '62

## URINARY ORGANS—SURGERY

Comparative evaluation of the methods for restoring the continuity of urine excretory paths in experimental transplantation of the kidney into the pelvis, M. T. Cherkasova, *Trudy 1-go MMF* 19, 125-128 '66

## URINARY ORGANS—TUBERCULOSIS

Content of calcium in the blood serum of patients with tuberculosis of the urinary organs, D. U. Anshashkh, *Sov. med.* 29 no. 12, 127-128 D '66

## URINE

Method of determining pregnanediol and pregnanetriol in urine, F. A. Kakushkina, I. M. Kokhanenko, *Ukr. biokhim. zhur.* 38 no. 6, 648-653 '66

## URINE—ANALYSIS AND PATHOLOGY

Carcinoid and the carcinoid syndrome, G. A. Shapiro, A. B. Shekhter, M. I. Brusilovskii, *Trudy 1-go MMF* 13-19-126 '65

Changes in the excretion of free catechol amines with the urine in children during biochemical induction of adrenalinic and noradrenalinic, D. V. Kolesov, *Trudy 1-go MMF* 43, 66-71 '65

Data indicating the presence of insulin in the urine, L. L. Liberman, *Biul. eksp. biol. i med.* 55 no. 6, 56-59 Jo '63

Development of anicteric and atypical forms of Botkin's disease, A. G. Vinogradova, *Azerb. med. zhur.* 40 no. 4, 26-32 Ap '63

Diagnostic and prognostic value of the urine color sedimentation test and the reaction of comparative leukocytosis of the blood in the treatment of chronic tonsillitis in children, L. A. Shakhmurovich, *Azerb. med. zhur.* 40 no. 4, 93-96 Ap '63

Effect of phthivazine on the excretion of uronic acids with the urine tuberculous children, V. G. Grigorian, I. Z. Kirishka, *Vop. med. khim.* 12 no. 6, 609-611 N-D '66

Examination of hydrocortisone in the blood plasma and 5-hydroxyindoleacetic acid in the urine in allopia, A. G. I. Marzoeva, L. S. Basalyk, *Trudy 1-go MMF* 43, 177-183 '65

Excretion of catechol amines with the urine in coronary insufficiency under conditions of functional stress, I. Z. Sofieva, T. I. Belikova, *Trudy 1-go MMF* 43-34-11 '65

Excretion of catechol amines with the urine in hypertension and symptomatic hypertension, Z. M. Kiseleva, *Trudy 1-go MMF* 43 60-65 '65

Excretion of 5-hydroxyindoleacetic acid with the urine in pheochromocytoma, L. S. Basalyk, G. A. Shapiro, V. V. Men'shikov, *Trudy 1-go MMF* 43:144-147 '65

Histochemical examination and content of ketosteroids in the urine of males gynecomastia and cancer of the breast, A. I. Gnatsynsk and others, *Klin. onk.* no. 1, 180-186 '65

Kimbarovskii's color sedimentation test in dermatovenereological practice, V. I. Polonskii, V. D. Pokotitskii, *Vest. druzh. nar.* 37 no. 3, 69-71 Mr '63

Methylene blue test for the determination of bilirubin in the urine, O. V. Pakustina, *Azerb. med. zhur.* 40 no. 3, 39-43 Mr '63

Sex differences in O-aminooxalate excretion in the mouse, G. A. Belitskii, *Biul. eksp. biol. i med.* 55 no. 5, 96-100 My '63

Significance of the determination of catecholamines in the urine for the diagnosis of pheochromocytoma, V. V. Men'shikov, *Probl. endok. i gorm.* 9 no. 1, 90-95 Ja-F '63

## URINE—MICROBIOLOGY

Microflora of urine and kidneys in chronic pyelonephritis patients, N. A. Sirokova, K. A. Velykanov, *Mikrobiol. zhur.* 28 no. 6, 72-75 '66

## URLANIS, BORIS TSEZAREVICH, ca. 1906-

Reports from conference halls: Czechoslovak scholars in Moscow, B. T. Urlanis' anniversary, Economic reform and academic studies, *Vop. ekon.* no. 12, 160-162 D '66

## URONIC ACIDS

Effect of phthivazine on the excretion of uronic acids with the urine tuberculous children, V. G. Grigorian, I. Z. Kirishka, *Vop. med. khim.* 12 no. 6, 609-611 N-D '66

## UROPEPAIN

Study of uropepain in the diagnosis of gastric and duodenal diseases. P. P. Fustikov, A. S. Kichko and I. I. Nozko. *Gidul.* 32:45-51 '66.

## URSENOIC ACID

Distribution of ursenoic acid in the doxane family. D. A. Burdakov. *Russ. res.* 2 no 4:513-516 '66.  
Ursenic acid from Rhododendron luteum Sweet. F. T. Opanov. *Russ. res.* 2 no 4:516-517 '66.

## URUGUAY—POLITICS AND GOVERNMENT

Victory of the patriots in the 1973 Revolution. M. P. Shumakov. *Zhurnal* 14 no 1:22-12 '67.

## USPANOV, UMIRBEK USPANOVICH, 1906-

1920-1921: Russian biologist of the Academy of Sciences of the U.S.S.R. U. Uspanov is 60 years old. V. A. Kabanov. *Sov. res.* 22 no 10:64-70 O '66.

## USSURI VALLEY—FLOODS

Dividing the Ussuri River basin into hydrologic geographical regions on the basis of maximum discharges of flood flows due to rainfalls. I. V. Masnikova. *Vest. Mosk. univ. Ser. 3 Geog.* 21 no 4:92-93 N-D '66.

## USSURI VALLEY—MOOSE

Statistics on distribution and ecology of moose in Amur-Ussuri Territory. V. V. Rukh. *Russ. res.* 22 no 2:28-33 '65.

## UST'-KAMENOGORSK—LAW—STUDY AND TEACHING

Come to the university! V. K. Krasnitskii. *Sov. zakon.* 10:11-18 N '66.

## UST'-KAMENOGORSK—PETROLEUM PRODUCTS—STORAGE

Ust'-Kamenogorsk tank farm. V. A. Sokolov. *Transp. i kuran nefti i nefteprod.* no 10:21-26 '66.

## UST'-TSIL'MA (KOMI A.S.S.R.)—LETTERS

Correspondence and business papers of the Ust'-Tsil'ma peasants in the 18th and 19th centuries. V. I. Malyshev. *trud. ODR.* 18:44-45 '62.

## USTYURT—LEAVES, FOSSIL

New species of genus *Carva* from Late Oligocene of Ustyurt. S. G. Zhidun. *Paleont. zh.* no 1:104-108 '66.

## UTERUS—BIOPSY

Clinicopathological examination in intraepithelial cancer of cervix uteri "aimed" biopsy and surface stereomicroscopy of the removed tissue cone. A. B. Derzhne. *Vop. onk.* 9 no 3:88-96 '63.

## UTERUS—CANCER

(See also subdivision under C1mea)

Antiproliferative activity of the blood in cancer of the cervix uteri. A. V. Sorin, V. A. Filov. *Vop. onk.* 12 no 11:71-75 '66.  
Carcinoma of the uterus and ovaries combined with malignant tumors of other localizations. S. M. Simchuk. *Klin. onk.* no 1:157-163 '65.

Cervixoscopy in the diagnosis of precancer states and initial symptoms of the cervix uteri. E. V. Kakhine. *Klin. onk.* no 1:168-174 '65.

Clinicopathological examination in intraepithelial cancer of cervix uteri "aimed" biopsy and surface stereomicroscopy of the removed tissue cone. A. B. Derzhne. *Vop. onk.* 9 no 3:88-96 '63.

Compound diagnosis of cancer of the corpus uteri. M. T. Kunitsa. *Klin. onk.* no 1:195-200 '65.

Presence of microscopically detectable of the sensibility cells in cancer of the cervix uteri to irradiation. L. L. Valner. *Vop. onk.* 12 no 11:67-70 '66.

Interdependence between precancer metaplasia, intraepithelial cancer and microcarcinoma of the cervix uteri. A. A. Kuklina. *Klin. onk.* no 1:161-167 '65.

Latest results of combined radiotherapy in cancer of the cervix uteri: data of the Tombov Province Oncological Dispensary. V. I. Robert. *Vest. rent. i rad.* 37 no 3:11-15-Je '62.

Treatment of intraepithelial cancer of the cervix uteri with diathermic excision as an outpatient service. D. R. Zel'dovich, L. I. Odol'ko. *Vop. onk.* 12 no 11:75-78 '66.

## UTERUS—DISEASES

Differential diagnosis of inflammations and tumors of adnexa uteri. V. P. Alzhanberg. *Vop. onk.* 12 no 11:84-88 '66.

## UTERUS—MICROBIOLOGY

Taking cervical mucous samples from cows. N. N. Mikhailov, M. A. Luchko, Z. S. Konnova. *Veterinaria* 43 no 1:80 Ja '67.

## UTERUS—MOTILITY

Effect of thyroidectomy on the contractile function of the uterus in dogs. E. S. Kuz'menko. *Probl. onk. i gorm.* 9 no 1:30-34 Ja-F '63.

## UTERUS—TUMORS

Immediate and late results following conservative surgery for uterine fibromas. N. G. Stomov. *Klin. onk.* no 1:56-59 '65.

## UYMEN' VALLEY—SLOPES (PHYSICAL GEOGRAPHY)

Asymmetric development of the eastern and western slopes of mountains in the basin of the Uymen' and Pichu Rivers. I. U. N. Kuz'menkovskii. *V. V. Alt. Geog. obzr.* 55:81 no 3:51-52 '63.

## UZBEKISTAN—AGRICULTURE—ECONOMIC ASPECTS

Davydov, A. M. [Agrarian reforms and the formation of socialist land utilization in the Uzbek S.S.R.] *Agrarnye preobrazovaniia i formirovaniye sotsialisticheskogo zemlepol'zovaniia v Uzbekskoi SSR*, Tashkent, Nauka, 1965, 270 p. (CSI-H)

## UZBEKISTAN—ALUNITE

Alunized rocks of Gushan Valley in Uzbekistan. M. A. Khashid. *V. G. Shmel'v. Izv. AN Azerb. SSR Ser. nauk o zeml.* no 1:62-68 '66.

## UZBEKISTAN—ANNIVERSARIES

[Calendar of significant and historical dates of the Uzbek S.S.R. for 1966 (January-December)] *Kalendar' imenitel'nykh i pamiatnykh dat Uzbekskoi SSR na 1966 god* (Izdatel'stvo "Uzbekistan") God. izd. 4 Tashkent, "Uzbekistan," 1965, 78 p.

## UZBEKISTAN—ARCHITECTURE—CONSERVATION AND RESTORATION

Restoration of ancient cities and problems of preserving monuments of architecture of Uzbekistan. K. S. Kulikov. *I. I. Notkin. Stroitel'stvo Uzb.* 7 no 11:27-30 N '66.

## UZBEKISTAN—BINDING MATERIALS

Use of glinitic cement for production of gypsum cement-pozzolanic binder in Uzbekistan. A. S. Sventitskii. *Stroitel'stvo Uzb.* 7 no 11:7-8 N '66.

## UZBEKISTAN—BIOGRAPHY

Kurguzov, I. P. [Bearers of the Order of Glory] *Kavaler'y ordena Slavy*. Tashkent, Est. gvardii, 1966, 100 p. (Na strazhe Rodiny)

## UZBEKISTAN—BOOKS, FOREIGN

Description of foreign literature in the alphabetical and classified catalogs of the All-National Library of the Uzbek S.S.R. E. N. Kikich. *Opyt. iab. bibliot. i knozh.* 11 no 1:52-57 '61.

## UZBEKISTAN—BUILDINGS—MAINTENANCE AND REPAIR

Use instrumental method for measuring deformations of structures. A. I. Martimbanov. *Stroitel'stvo Uzb.* 6 no 1:9-11 Ap '65.

## UZBEKISTAN—CEMENT INDUSTRIES

Five-year plan for cementworks of Uzbekistan. S. I. Pokhanchuk. *Zh. stroyt.* 32 no 6:13-11 N-D '66.

## UZBEKISTAN—CITIES AND TOWNS

Dynamic classification of the cities of Uzbekistan. N. V. Smilnov. *Vest. Mosk. univ. Ser. 3 Geog.* 21 no 6:17-51 N-D '65.

## UZBEKISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Let us improve our ideological work. R. Nishanov. *Kommunist* 43 no 1:64-73 Ja '67.

## UZBEKISTAN—COMRADES COURTS

History of comrades courts in Uzbekistan. A. Kh. Raskulev. *Trudy TashGU* no 282:74-86 '66.

## UZBEKISTAN—CONSTRUCTION INDUSTRY—STANDARDS

In the State Committee on Construction of the Uzbek S.S.R. *Stroitel'stvo Uzb.* 6 no 4:42-44 Ap '65.

## UZBEKISTAN—CRIMINAL LAW

Some problems of correlation between the criminal and criminal procedure laws of the Uzbek S.S.R. S. G. Zakuski. *Trudy TashGU* no 282:95-107 '66.

## UZBEKISTAN—DAMS

Construction of a drainage blanket with earth fill. V. F. Dmitriev. *Transp. stroit.* 11 no 12:28 D '61.

## UZBEKISTAN—ECONOMIC ZONING

Akademii nauk Uzbekskoi SSR, Institut ekonomiki. [Economic regionalization of Uzbekistan] *Ekonomicheskoe raionirovaniye Uzbekistana*, Tashkent, Fan, 1966, 243 p.

## UZBEKISTAN—EDUCATION

A conference in Uzbekistan. Kh. Khurramov, I. Fedorovich. *Sov. pedagog.* 30 no 8:187-188 Je '66.

## UZBEKISTAN—EVENING AND CONTINUATION SCHOOLS

Elements of correspondence education in rural schools. B. M. Mirzakhmedov. *Vech. sred. shkola* 9 no 6:36-37 N-D '65.

## UZBEKISTAN—GAS, NATURAL

Basic trends in the chemical utilization of gases of Uzbekistan. P. A. Rukhlov, A. I. Rukhlov, V. I. Kuz'min. *Trudy IGI* 18:206-211 '66.

## UZBEKISTAN—GEOLOGY

Geological studies in Uzbekistan are developing. Kh. I. Tullagenov. *Uzb. geol. zh.* 10 no 5:17-9 '66.

## UZBEKISTAN—GLACIERS

Accuracy of determining runoff of glacial rivers. A. A. Shchetnikov. *Trudy Sred.-Az. nauch.-issled. gidrometeor. inst.* no 27:89-98 '66.

Akademii nauk Uzbekskoi SSR, Institut geologii i geofiziki. [Mountain glaciation of Uzbekistan and adjacent areas] *Gornoe oledeniye Uzbekistana i smezhnykh territorii*. Tashkent, Izdatel'stvo "Fan" UZSSR, 1966, 116 p.

## UZBEKISTAN—HISTORY

History of the incorporation of the Tashkent region into the Kokand Khanate. I. A. Sokolov. *Nauch. trudy TashGU* no 281:15-30 '66.

## UZBEKISTAN—IRRIGATION LAWS

We should strictly observe the rules of irrigation farming. N. Zhabbarov. *Sov. zakon.* no 11:51-58 N '66.

## UZBEKISTAN—LAND TENURE

Davydov, A. M. [Agrarian reforms and the formation of socialist land utilization in the Uzbek S.S.R.] *Agrarnye preobrazovaniia i formirovaniye sotsialisticheskogo zemlepol'zovaniia v Uzbekskoi SSR*. Tashkent, Nauka, 1965, 270 p. (CSI-H)

History of the agrarian movement in Uzbekistan on the eve of the October Revolution, March-October 1917. A. M. Tashmukhamedov. *Nauch. trudy TashGU* no 281:72-81 '66.

## UZBEKISTAN—LAW SCHOOLS

Development of higher legal education in Uzbekistan. B. A. Akhmedov. *Trudy TashGU* no 282:115-119 '66.

## UZBEKISTAN—MINERALOGY

Mineralogy of Silurian sedimentary-metamorphic rocks of Zhetysay-Zhetysay-Mountain. I. O. Kabanov. *Uzb. geol. zh.* 10 no 5:23-29 '66.

## UZBEKISTAN—PATRONITE

Patronite from Cambrian sediments of Uzbekistan. V. F. Savell'ev. *Uzb. geol. zh.* 10 no 5:16-22 '66.

## UZBEKISTAN—ROCKS, SEDIMENTARY—ANALYSIS

Composition of Upper Jurassic soil-bearing formation in the southern part of Bukhara-Khiva region. T. S. Rukhlov. *Uzb. geol. zh.* 10 no 5:61-69 '66.

## UZBEKISTAN—RUNOFF

Accuracy of determining runoff of glacial rivers. A. A. Shchetnikov. *Trudy Sred.-Az. nauch.-issled. gidrometeor. inst.* no 27:89-98 '66.

## UZBEKISTAN—RURAL YOUTH

Work of the political sections of machine-tractor stations with the rural youth of Uzbekistan, 1934-1944. A. A. Nurikov. *Nauch. trudy TashGU* no 281:87-101 '66.

## UZBEKISTAN—SALTWATER

Biological characteristics of the saltwater Salicornia rigida and practices in its introduction in the plowed semidesert of Uzbekistan. Z. Sh. Shumardillov. *Russ. res.* 2 no 4:530-540 '66.

## UZBEKISTAN—SELLAITE

First find of sellaite in Uzbekistan. V. N. Apollonov. *Uzb. geol. zh.* 10 no 5:18-19 '66.

## UZBEKISTAN—SLAVERY

Some data on slavery in the Uzbek Khanates of the 10th century. A. Kh. Kabanov. *Nauch. trudy TashGU* no 281:31-34 '66.

## UZBEKISTAN—SNOW LINE

Seasonal snow boundary in Fokom, Angren, and Gosh basins. L. D. Podkopayeva. *Trudy Sred.-Az. nauch.-issled. gidrometeor. inst.* no 27:70-72 '66.

## UZBEKISTAN—TEACHERS, TRAINING OF

Inolotov, N. Sh. [Struggle of the Communist Party for the training and education of teaching personnel in Uzbekistan, 1921-1925] *Bor'ba Kommunisticheskoi partii za podgotovku i vospitanie uchitel'skikh kadrov v Uzbekistane, 1921-1925 gg.* Tashkent, Nauka, 1965, 31 p. (CSI-H)

## UZBEKISTAN—TEXTILE FACTORIES—DESIGN AND CONSTRUCTION

Giant textile complex. B. V. Savushkin and others. *Stroitel'stvo Uzb.* 6 no 4:21-24 Ap '65.

## UZBEKISTAN—THERMAL WATERS

Some geothermal indices of Bukhara-Karshi region basin. A. S. Khasanov, T. R. G. Ghenashchikov, S. A. Kurbanov. *Uzb. geol. zh.* 10 no 5:60-63 '66.





**VAVOZH DISTRICT—SWINE HOUSES AND EQUIPMENT**  
Economic aspects of the "Resort" Collective Farm  
Sov. stroit. 16 no. 11-12 N '61

#### VECTOR ANALYSIS

Multi-stage transformation process. D. A. Suprunenko,  
V. S. Aizenshtat, A. S. Metel'skii. Dokl. AN SSSR 6  
no. 9-14-14 S '62

#### VEGETABLE GARDENING

(see also subdivision under Latvia)

**Kurikova, I. A., and A. N. Komissarova.** [Early vegetables] Rannie oshchinki. Moskva, Kolos, 1966 238 p.  
(DNL)

Ways for improving the quality of vegetable crop seeds  
A. S. Gofmanova. Zap. LSKH 96 204-209 '65

#### VEGETABLE GARDENING—EQUIPMENT AND SUPPLIES

Comparative evaluation of standard seedling boxes and  
rotary working parts for seedbed intertillage. E. P.  
Voznesenskii. Zap. LSKH 96 265-271 '65

#### VEGETABLE GARDENING—PRODUCTION STANDARDS

**Khudoyev, A. I.** [Organization of labor, establishment of  
work norms, and wages in vegetable growing] Organizatsiya,  
normirovaniye i oplata truda v oshchevodstve  
Moskva, Kolos, 1965 375 p.

**VEGETABLE MATERIA MEDICA** see Materia medica,  
Vegetable

**VEGETABLE TRADE—COSTS** see subdivision under  
Leningrad

#### VEGETABLE TRADE—FINANCE

Give more attention to the vegetable and fruit trade.  
P. Ostvin. Fin. SSSR 40 no. 11:16-20 N '66.

**VEGETABLE TRADE—MANAGEMENT** see subdivision  
under Leningrad

#### VEGETABLES

**Brezhnev, D. D., and others.** [Vegetables of the night-  
shade family, tomato, common eggplant, black night-  
shade, pepino, husk-tomato, mandrake] Oshchinye  
paslenovye, tomat, baklazhan, chernyi paslen, dynnaya  
grusha, perets, lizaltsi, mandragora. Moskva, Gos-  
izd-vo s.-kh. lit.-rv, 1958, 531 p. (Kul'turnaya flora  
SSSR, no. 20)  
KU

#### VEGETABLES—CONTAINERS

Causes of great losses. E. Kolesman. Sov. torg. 40  
no. 1:13-14 Ja '67

#### VEINS—CONGRESSES

Symposium on phlebopathology, May 16-17, 1966 Mos-  
cow. N. I. Kravtsovskii. R. S. Kolesnikova. Sov. med. 29  
no. 12:139-143 D '66

#### VEINS—TRANSPLANTATION

Plastic surgery on the renal artery using a venous auto-  
transplant. A. V. Nikolaev. Trudy 1-go MVU 49 136-  
142 '66

#### VENA CAVA—SURGERY

Histochemical study of semibiological anticoagulative  
prostheses of venae cavae. A. B. Shekhter and others.  
Trudy 1-go MVU 19 300-307 '66

#### ENDING MACHINES

few commercial volumetric vending machine. I. G.  
Kruchevskii and others. Izv. tekhn. 6 448-49 Je '62

#### VENEERS AND VENEERING

Expenditure of heat for hardening glue in wood veneering.  
A. I. Mazurchyk. Lis. hosp., lit. i pap. i der. prom. 6  
no. 6:30-31 N-D '66

Shading veneered furniture panels. A. G. Chernin, N. I.  
Osauko. Der. prom. 15 no. 12:25 D '66

#### VENEREAL DISEASES—PREVENTION

**Rozentul, M. A.** [Prevention of venereal diseases] Pre-  
doprezhdeniye venericheskikh bolevaniy. Moskva,  
Meditsina, 1968, 37 p. (Nauchno-populiarnaya medi-  
tsinskaya literatura)  
(DNL)

**VENEREOLOGY—BIBLIOGRAPHY** see Bibliography—  
Venereology

#### VENEREOLOGY—CONGRESSES

Brief news. Vest. dermat. i ven. 37 no. 3:84-91 Mr '63

#### VENEZUELA—LAND TENURE

Agrarian problem in Venezuela. E. Kovalev. Ekon. sel'-  
hoz. 42 no. 11:107-111 N '66.

#### VENEZUELA—POLITICS AND GOVERNMENT

Our comments. Nov. vrem. 25 no. 4:1-2 Ja '67.

#### VENUS (PLANET)—ATMOSPHERE

Unusual formation on Venus. N. P. Barabashov.  
Astron. tsentr. no. 300:1-2 O '64.

#### VENUS PROBES

Our space rockets fly higher and higher. V. V. Dobien-  
ravov. Mol. komm. no. 3:25-27 M '61.

**VERESAEV, VIKENTII VIKENT'EVICH**, pseud. see  
Smidovich, Vikentii Vikent'evich, 1867-1945

#### VERKHNAYA-TULOMA HYDROELECTRIC POWER STATION

Cofferdamming of the Tuloma River on the earth dam  
site of the Verkhnyaya-Tuloma Hydroelectric Power  
Station. A. I. Vasil'ev, A. F. Pavlov. Gidrot. 33  
no. 7:3-5 JI '63

#### VERNALIZATION

Some characteristics of the development of winter crops.  
A. K. Fedorov. Trudy Inst. gen. no. 26:5-11 '62  
Studying the molley character of the varietal populations  
of wheat according to the length of their vernalization  
stage. G. I. Abduragimov. Sbornik nauch. i mol.  
nauch. i mol. VIR no. 2:1-6 '61

#### VERTEBRAL ARTERY—DISEASES

Diagnosis of pathology of the vertebral artery by means  
of rheoencephalography. Kh. Kh. Ibrullin, V. M. Salaz-  
yina, Zhur. nev. i psikh. 67 no. 1:50-56 '67

**VERTEBRATES, FOSSIL** see subdivision under Donets  
Bassin, Kirghizistan, Romankov region (Ukraine)

#### VESHENSKAYA—INTELLECTUAL LIFE

In the literary capital. P. Gavilenko. Sov. Ukr. 1'  
no. 4:114-121 Ap '62

#### VETCH—VARIETIES

Morphobiological groups of winter vetch vicia villosa  
and V. pinnocoma and their distribution according to  
ecological types. S. D. Kiseleva. Sbornik nauch. i  
mol. nauch. i mol. VIR no. 2:151-155 '61

#### VETERINARY HEMATOLOGY

Effect of nonspecific gamma globulin and trace elements  
on reserve alkalinity in the blood of calves. M. E.  
Konrat'ev. Veterinarika 43 no. 12:59-60 D '66.

Effect of pregnancy on blood indices in sheep. V. I.  
Shapovalov. Veterinarika 43 no. 12:80-81 D '66

#### VETERINARY HEMATOLOGY—EQUIPMENT AND SUPPLIES

Test chamber method for counting blood cells of poultry.  
A. I. Diakova, V. V. Lipskaya. Veterinarika 43 no. 1.  
101-105 Ja '67

#### VETERINARY HYGIENE

Producing and raising piglets free from pathogens of  
infectious diseases. V. I. Popov, L. A. Pavlovich, R. M.  
Sakharova. Veterinarika 43 no. 11:98-99 N '66

Veterinary hygienic measures as the basis of the prophylaxis  
of bronchopneumonia in calves in the summer.  
P. T. Lebedev. Sbornik nauch. i mol. SSSR no. 11:220-228  
'62

Veterinary hygienic measures as the basis of the prophylaxis  
of foot-and-mouth disease. N. I. Gorbant'. Veterinarika  
43 no. 1:93-95 Ja '67.

#### VETERINARY IMMUNOLOGY

Duration of reactivity in cattle vaccinated with strain 10  
S. I. Muratov. Veterinarika 43 no. 1:33-34 Ja '67.

Immunobiological reactivity and postvaccinal immunity  
in suckling pigs. A. I. Kargin. Veterinarika 43  
no. 12:32-34 D '66

Simultaneous immunization of swine against cholera,  
erysipelas, and leptospirosis. V. F. Petrov, N. S.  
Bezborodkin. Veterinarika 43 no. 11:35-37 N '66.

#### VETERINARY INSTRUMENTS AND APPARATUS

Instrument for taking pathological material from the  
nasal cavity of swine. I. S. Egoshin, I. U. K. Shergin.  
Veterinarika 43 no. 11:97 N '66.

New diagnostic apparatus. A. A. Trifilov. Veterinarika  
43 no. 11:69-71 N '66.

UNBK-1 multipurposeable bactericidal chamber. N. G.  
Balashov, I. U. P. Chernetskii. Veterinarika 43 no. 11.  
81-82 Ja '67

**VETERINARY LABORATORIES** see subdivision under  
Tiflis

#### VETERINARY MATERIA MEDICA AND PHARMACY

Effect of narcotic substances on some species of wild  
animals. V. I. Korneeva. Veterinarika 43 no. 12.  
51-52 D '66.

Locke-Runge's solution in dyspepsia of calves. A. D.  
Morozov. Veterinarika 43 no. 12:80-81 D '66.

Studying the physical, chemical, and some pharmaco-  
logical properties of piparation KF. Report No. 1  
E. I. Spirin. Sbornik nauch. i mol. SSSR no. 11:169-173  
'62.

Use of antiseptic preparations as ointments for the teats  
of cows. V. D. Iabochkin, A. G. Millanovskii.  
Veterinarika 43 no. 12:86-88 D '66.

#### VETERINARY MEDICINE

(see also subdivision under Azerbaijan; Bakal region,  
Chelyabinsk Province, Cherkassy Province)

Etiology of "demyelinating encephalomyelitis" of  
animals. R. A. Kantolovich, G. V. Kenova. Veterinarika  
43 no. 12:16-18 D '66.

Histological characteristics of spontaneous tumors in  
domestic animals. S. M. Morozov, I. V. Skorodumova.  
Veterinarika 43 no. 11:66-69 N '66

Immediate tasks of the veterinary service in the new  
anniversary year. Veterinarika 43 no. 1:1-4 Ja '67

Increase the effectiveness of therapeutic and prophylactic  
work. Veterinarika 43 no. 1:1-1-1 D '66.

Infection of animals with toxoplasmosis. I. G. Galuzo.  
Veterinarika 43 no. 11:10-12 N '66

Information and brief news. Veterinarika 43 no. 11:  
120-126 N '66.

Phleboma in the physiology and pathology of reproduction  
in farm animals. V. S. Shipilov. Veterinarika 43  
no. 11:106-109 N '66

Prophylaxis and therapeutics of noninfectious diseases.  
A. P. Studenkov, I. G. Shubolina, O. N. Prokhorovich.  
Veterinarika 43 no. 12:1-5 D '66.

Prophylaxis and therapy of diseases in young animals.  
G. P. Ianchev. Veterinarika 43 no. 1:1-1-1 D '67

Welcome the 50th anniversary of Soviet rule in a worthy  
manner. Veterinarika 43 no. 11:1-3 N '66

**VETERINARY MEDICINE—BIBLIOGRAPHY** see Biblio-  
graphy—Veterinary medicine

#### VETERINARY MEDICINE—CONGRESSES

40th anniversary of the First All-Union Veterinary  
Scientific and Organizational Congress. V. I. Ianchev.  
Veterinarika 43 no. 11:112-115 N '66

#### VETERINARY MEDICINE—PERIODICALS

Readers' comments on the Journal "Veterinarika."  
K. S. Kapandze, G. Kolomozh, V. M. Stetsenko.  
Veterinarika 43 no. 11:12-14 N '66

#### VETERINARY MEDICINE—STUDY AND TEACHING

Improve veterinary education. I. A. P. Shilpakov.  
Veterinarika 43 no. 11:100-101 N '66

#### VETERINARY MICROBIOLOGY—EQUIPMENT AND SUPPLIES

Laboratory sublimation unit for the freeze-drying of  
bacterial strains. G. S. Bozovskii, I. U. P.  
Chernetskii. Veterinarika 43 no. 11:95-97 N '66

#### VETERINARY OBSTETRICS

Embryonal mortality. W. Bales. Veterinarika 43  
no. 12:69-71 D '66

Results of the field testing of some methods for the diag-  
nosis of the pregnancy of cows. A. N. Akhmedeev, G. T.  
Vasil'ev. Veterinarika 43 no. 1:77-78 Ja '67.

#### VETERINARY RESEARCH

(see also subdivision under Semipalatinsk)

Improve the structure and work guidance of veterinary  
research stations. N. A. Prudentov. Veterinarika  
43 no. 11:101-103 N '66.

#### VETERINARY SURGERY

Treating wounds in sheep with antibiotics and by blind  
suturing. I. Kh. Shalovoyborov. Veterinarika 43  
no. 11:65-66 N '66.

#### VETERINARY TOXICOLOGY

Studying the toxicity of sevin to animals. I. N. Gladenko,  
O. A. Matulin. Veterinarika 43 no. 12:52-54 D '66.

Toxicity of preparations of the nitrofurans series to  
animals. V. S. Khomenko. Veterinarika 43 no. 12:  
54-55 D '66.

#### VET'MA VALLEY—SAND, GLASS

Geology, composition, and conditions governing the  
formation of the Kozlovskaya glass sand deposit.  
Makhmud Makhamed Khalif. Izv. vuz. uchebn. razv. i  
razv. 6 no. 1:123-126 Ja '63.

#### VIBRATED CONCRETE

Basic questions of the technology of vibration rolled con-  
crete. A. E. Denov. Trudy NIIZHB no. 20:5-9 '61

Experimental study of prestressed floor and ceiling slabs  
manufactured by a test vibration rolling method. G. K.  
Khatukov, I. U. P. Filin. Trudy NIIZHB no. 20:163-167  
'61

Growth of cement brick strength under early and brief  
heating. D. I. Zsillon. Trudy NIIZHB no. 20:81-82 '61

Mastering the technology of manufacturing reinforced con-  
crete slabs at the Lyubimov Plant. I. M. Frenkel'.  
Trudy NIIZHB no. 20:70-83 '61.

Modulus of elasticity of concrete for vibration rolled  
elements. M. S. Boishanskii, A. V. Koshin. Trudy  
NIIZHB no. 20:102-113 '61

Shrinkage and swelling in fine-grained concrete for vi-  
bration rolled articles. S. V. Aleksandrovskii. Trudy  
NIIZHB no. 20:93-101 '61

Study of the anchoring of high-strength wire in flexed  
elements made from fine-grained concrete. R. V.  
Mikhailov, F. M. Gerdinitskii. Trudy NIIZHB no. 20  
114-125 '61

Study of the bond of wire reinforcement with concrete in  
vibration rolled articles. A. A. Svetov. Trudy NIIZHB  
no. 20:126-141 '61.

Study of the compositions and thermal treatment of high-  
strength mortars and fine-grained concretes for pre-  
stressed reinforced concrete slabs. S. A. Milonov and  
others. Trudy NIIZHB no. 20:52-69 '61.

## VIBRATED CONCRETE—TESTING

Experimental study of fatigue-panel reinforced concrete slabs with nonreinforced fields between the ribs. R. N. Matseleskii, A. I. Katin. Trudy NIIZHB no 20 189-211 '61

## VIBRATION

Effect of energy dissipation in materials on the vibration of an elastic element at random excitation. V. M. Gancharenko, P. K. Mikhlin, 2 no 11:90-96 '66.  
Flooding oil from unconsolidated sands using vibrations. S. M. Gidlev. Azerb neft khoz 12 no 7 38-40 J1 '63  
Modeling the effect of vibration on soils. G. I. Pokrovskii. Trudy Gidropochta no 7,245-250 '62

## VIBRATION (MARINE ENGINEERING)

State and problems of noise control on ships. I. I. Khtukin. Sudostroyeniye 56 no 11 7-10 '66

Studying the resistance of epoxy compounds to vibration loads. I. V. Gershtein. Trudy LVT no 8 96-100 '65

Taking into consideration the method of pipe fastening in calculating the vibration insulation of expansion pieces. S. A. Dymov, M. N. Rasim. Trudy LVT no 82 121-126 '65

Using vibration dampers to reduce forced oscillations of the stern of the ship. A. M. Alkisev, A. B. Sakharov, A. K. Sborovskii. Sudostroyeniye 29 no 12 44-43 D '62

## VIBRATORS

Refining of vibrating bodies. I. M. Kravtsovskii. Stroi i doi. mash 8 no 6 17 Je '63  
Calculating the disturbing force of eccentric vibrators. V. M. Donskoi, Stroi i doi. mash 8 no 6, 18 Je '63

## VIBRIO

Bacteriological diagnosis of vibriosis. A. P. Drevenko. Veterinariya 43 no 1 94 Ja '67

Isolation of aerobic vibrios from the sex organs of herd bulls. A. V. Golikov, N. V. Batuta. Veterinariya 13 no 1 98-99 Ja '67

Passibility of vibriotic infection of calves fed with milk. V. F. Ivanov. Veterinariya 13 no 12:23-24 D '66

Vibriosis of sheep in the northern zone of Kazakhstan. A. V. Golikov and others. Veterinariya 13 no 12: 25 D '66

## VIBRIO—CULTURES AND CULTURE MEDIA

Isolation of vibrio cultures by the membrane filter method. A. A. Kiylov. Veterinariya 13 no 1 99-101 Ja '67

## VIDEO TAPE RECORDERS AND RECORDING

Development of the components of a regulated delay line for video tape recording. G. I. Alekseev. Trudy VNIIRT no 1 83-83 '64  
Magnetic recording of television images. Prom. Arm 9 no 10 83-84 '66  
Transistorized reproducing preamplifier for FM channels of video tape recorders. L. G. Lishin. Trudy VNIIRT no 1 94-95 '64

## VIENNA, CONGRESS, 1814-1815

Zak, L. A. [Monarchs against the peoples, diplomatic struggle on the ruins of Napoleon's Empire] Monarkhi protiv narokov; diplomaticheskaya bor'ba na razvalinakh napoleonskoi imperii. Moskva, Mezhdunar. otnosheniya, 1966. 378 p.

## VIETNAM—COKE INDUSTRY

Experience in producing metallurgical coke from anthracite in the Democratic Republic of Vietnam. Johannes Garstka. Koks i khim. no 10:50-51 '66

## VIETNAM, NORTH—COAL MINES AND MINING

Van Tong fights for freedom. V. Zelensov. Sov. prof. soluzny 22 no 24:14-17 D '66

## VIETNAM, NORTH—DESCRIPTION AND TRAVEL

In fighting Vietnam. I. Ognetov. Agitator 34 no 1:52-54 Ja '67

## VIETNAM, NORTH—ECONOMIC CONDITIONS

The years of struggle and victories. Nguyen-van-Kinh. Agitator no 16:33-35 Ag '62

## VIETNAM, NORTH—ECONOMIC GEOGRAPHY

An attempt to divide the Democratic Republic of Vietnam into economic regions. Nguyen-van-Thuan. Vest. Moskv. un. Ser. 5; Geog. 21 no 6:63-85 N-D '66

## VIETNAM, NORTH—RICE—FERTILIZERS AND MANURES

Use of raw apatite as fertilizer for rice in the Democratic Republic of Vietnam. Le-van-Cun, A. A. Sobachkin. Trudy Un. druzh. nar. 14, Sel'khoz. nauki no 1:27-39 '66

## VIETNAM, NORTH—WORMS, INTESTINAL AND PARASITIC

Work of the First Soviet-Vietnamese Helminthological Expedition in Vietnam Democratic Republic, 1961-1962. A. A. Spasskii and others. Izv. AN Mold. SSR no 5:3-17 '65

## VIETNAM, SOUTH—MILITARY ASSISTANCE, AMERICAN and Vietnamese War

## VIETNAM, SOUTH—POLITICS AND GOVERNMENT

The Saigon merry-go-round. E. Rubin. Mezhdunar. zhizn' 11 no 1:125-126 '67

## VIETNAMESE WAR

A demonstration of recklessness. Nov. vrem. 25 no 2: 2-3 Ja '67

Dirty war in Vietnam is America's disgrace. A. Volkov, I. I. Shkurevskii. Sov. prof. soluzny 22 no 23 41-42 D '66

Dishonest play of American diplomacy, newspaper reviews. D. Volkov. Nov. vrem. 25 no 4 11-12 Ja '67

A financial report; a satirical sketch. Arthur Hoppe. Nov. vrem. 25 no 3 13 Ja '67

The foreign policy of the United States is a threat to peace. I. U. Mel'nikov. Mezhdunar. zhizn' 11 no 1 85-94 '67

Reports from hell. A. Rutladze. V mire knig 8 no 10 10 '66

The Saigon merry-go-round. E. Rubin. Mezhdunar. zhizn' 11 no 1:125-126 '67

The sky of Hanoi. Nov. vrem. 25 no 8:2-3 F '67

Starting at the wrong end. L. Maksimov. Nov. vrem. 25 no 2:15 Ja '67

Three documents from Vietnam. Agitator 31 no 23 57 D '66

Van Tong fights for freedom. V. Zelensov. Sov. prof. soluzny 22 no 24 34-37 D '66

## VIETNAMESE WAR—PUBLIC OPINION

United States policy in Vietnam. Mezhdunar. zhizn' 14 no 1:152-153 '67

## VIKHOREVA VALLEY—FOREST SOILS

Forest soils of the Chuna-Vikhoreva interfluvium. L. V. Popov. Izv. Vost.-Sib. old. Geog. ob-va SSSR 60 3-21 '62

## VILLAGE COMMUNITIES see subdivision under Chuvashia

## VILNIUS—BRIDGES, PREFABRICATED

Unique engineering structure. S. A. Gershank, A. L. Margolin. Avi. doi. 29 no 11 6-10 N '66

## VILYUY VALLEY—WHITEFISHES

Ecology and morphologic characteristics of Coregonus peted (Gmelin) in subarctic bodies of water. D. L. Vengilskii. Trudy Inst. biol. UFAN SSSR no 49, 17-36 '66

## VIMBA

(see also subdivision under Dniester River)

New wet method of insemination of vimba eggs. F. N. Smirnova, S. S. Kuz'mina. Ryb. khoz. 42 no 11:24-26 '66

## VINCA

Structure of "vinvin." V. M. Malikov, P. Kh. Iuldashev, S. U. Iunusov. Khim. prirod. soed. no 5:335-310 '66

## VINCETOXICUM see subdivision under Altai Territory

## VINE CROPS

Quantity of pollen grains needed for the formation of a single seed in vine crops. P. F. Kononkov. Trudy Inst. gen. no 26 46-52 '62

## VINNITSA PROVINCE—AGRICULTURE

Newspapers and the party's leadership in the economy. A. I. Asel'skii. Komm. Ukr. 41 no 12:77-78 D '66

## VINYL ACETATE

Simultaneous polymerization of ethylene with vinylacetate. R. A. Terterian, A. I. Dintsev, M. V. Ryakov. Neftekhim. 13 no 5:719-721 9-O '63

## VINYL ALCOHOL POLYMERS

Some rheological properties of solutions of polyvinyl alcohol mixed with polyacrylic acid. E. P. Pimonenko and others. Khim. prom. Ukr. no 8:3-8 N-D '66  
Study of polyvinyl alcohol - polymethacrylic acid associate. G. I. Distler and others. Vysokom. soed. 8 no 10: 1737-1741 O '66

Vinyl alcohol polymer fibers with special properties. L. A. Volk and others. Zhur. VKISO 11 no 6:654-656 '66

## VINYL ALCOHOL POLYMERS—ELECTRIC PROPERTIES

Conductance and viscosity of mixtures of aqueous solutions of polymethacrylic acid and polyvinyl alcohol. I. S. Okhrimenko and others. Vysokom. soed. 8 no 10: 1707-1711 O '66

## VINYL COMPOUNDS

Chemical plastification of polyvinyl chloride. A. G. Kronman, V. A. Kargin. Vysokom. soed. 8 no 10:1703-1706 O '66

Preparation of graft copolymers. Part II: Grafting of vinyl monomers into silk and wool. V. V. Korshak, K. K. Mozgova, I. U. V. Egorova. Vysokom. soed. 4 no 11:1831-1838 N '62

Production of 1-anilino-3-buten-2-ol from aniline and divinyl oxide. S. R. Tulliganov, K. D. Petrov. Plast. massy no 8 50-51 '62

Spectral characteristics and reactivity in radical polymerization of some vinyl aromatic monomers. A. V. Chernobai, Zh. S. Trak'iants, R. I. A. Delatitskaia. Vysokom. soed. 8 no 10:1804-1809 O '66

Study of types of polyvinyl chloride plastification by means of nuclear magnetic resonance. L. I. A. Chentsova and others. Vysokom. soed. 8 no 10 1810-1817 O '66  
Synthesis of vinyl chloride by hydrochlorination of acetylene in a fluid-bed catalyst. I. G. Mamedov. Mageram Mamedov. N. I. Ione. Dokl. AN Azerb. SSR 18 no 1:23-26 '62

## VINYL ETHERS

Free radical addition of trichloromethyl sulfonyl chloride to vinylaryls. E. F. Kotnikova and others. Zhur. org. khim. 2 no 11 2018-2055 N '66

## VINYL POLYMERS

Esters of pyrocatecholphosphoric acid as stabilizers of polyvinylchloride. P. A. Kizichukov and others. Plast. massy no 12 24-26 '66

Study of stabilizing effect of vinyl alcohol and vinylamine copolymer on fixed tables versus in purifying it by fraction. B. S. Diakina and others. Vop. virus 11 no 6:729-734 N-D '65

Ventilation systems from vinyl plastics. I. U. Opalev. Na. Stoi. Ros. 7 no 11:27-28 N '66

## VINYL POLYMERS—PIEZOELECTRIC PROPERTIES

Piezoelectric effect in polyvinyl chloride. N. M. Korbatian, Kh. B. Pechadzhian, Sh. A. Mkhitarian. Izv. AN Arm. SSR. Fiz. 1 no 4:217-221 '66

## VINYLENE GROUP

Copolymerization of ethylene with vinylene carbonate. R. A. Terterian and others. Vysokom. soed. 8 no 10: 1721-1726 O '66

## VIRGIN TERRITORY—FARM BUILDINGS—DESIGN AND CONSTRUCTION

Planning and building state farms in the Virgin Territory. V. Shcherbinina. Arkh. SSSR no 7:20-32 '63

## VIRGIN TERRITORY—WINDBREAKS, SHELTERBELTS, ETC

Vekshevskiy, V. I. A. [Checkered method of creating shelterbelts; from the practice of tree planting in the Virgin Territory] Shakhmatnyi sposob sozdaniya potezhchidnykh lesnykh polos; iz opyta lesorazvedeniya v Tselinnom krae. Moskva, Lesnaya promyshlennost', 1965. 82 p. (CU)

## VIRILISM

Clinical aspects and therapy of congenital virilizing hyperplasia of the adrenal cortex. A. M. Reskin, L. L. Liberman, I. U. Podolskaya. Probl. endok. i gorm. 9 no 1:69-74 Ja-F '63

## VIROLOGY

Antigenic properties of a transmissible of cynomolgus monkey heart cell culture and amniotic fluid of cattle. P. H. Koslovskiy, T. P. Konstantinova, T. A. Posaevskiy, Vop. virus. 8 no 1:498-501 J1-Ag '63

Comparative cytologic analysis of the influence of the virus on the cell. S. I. A. Zalkind. Trudy Mosk. nauch. issl. inst. virus. prep. no 3:218-221 '65

Deficiencies in the methodology of diffusion precipitation reaction in the study of viruses. I. U. Z. Gendron. Trudy Mosk. nauch. issl. inst. virus. prep. no 3:175-183 '65

Virology of tumors; a survey of data from the Eighth International Cancer Research Congress, I. S. Irin. Vop. onk. 9 no 3:6-12 '63

## VIROLOGY—CONGRESSES

Problems of virology at the 9th International Congress of Microbiologists. S. I. A. Gaidamovich, V. M. Zhukov. Vop. virus. 11 no 6:754-759 N-D '66

## VIROLOGY—PERIODICALS

Bitel' news. Vop. virus. 8 no 1:325-326 J1-Ag '63

## VIROLOGY—TECHNIQUE

Pinque method in viruses of tick-borne encephalitis complex. G. D. Zaslukhina. Vop. virus 11 no 5:617-619 S-O '66

Significance of pH buffer, acridine orange solvent, for determining nucleic acid composition of viral inclusions by fluorescence microscopy method. R. M. Biskulov. Vop. virus 11 no 5:619-623 S-O '66

## VIRUS DISEASES

Characteristics of the infectious process in mixed viral infections. I. A. Moskovskaya. Sov. med. 20 no 12 106-111 D '66

## VIRUS DISEASES OF ANIMALS

Pathogenicity of chicken sarcoma virus in amphibians and reptiles. G. I. A. Svet-Moldavskii, L. P. Tyubchenova, L. I. Ravkina. Vop. virus. 11 no 6:702-706 N-D '66

## VIRUS DISEASES OF PLANTS

Characteristics of new strains obtained as a result of a combined infection by plantain mosaic virus and tobacco mosaic virus. T. S. Pod'lapolskaya. Trudy Inst. gen. no 26:195-199 '62  
Insects as carriers of tomato big bud virus in Uzbekistan. S. M. Moskovskiy, M. Z. Ismailbekmedov. Mikrobiol. zhur. 28 no 6:43-47 '65

## VIRUS DISEASES OF PLANTS (Continued)

- Virology of *Chloroella pyrenoidosa* lytic agent. A. S. Fikhsenko, N. B. Zhabazina. *Mikrobiologiya* 35 no. 5:850-852 S-O '66
- Poliovirus and the study of the effect of various sprout varieties on the morphological and biological characteristics of plants. K. A. Guseva, S. M. Iudin and others. *Mosk. gos. univ. izv.* 2:293-298 '61
- Virus diseases of potatoes. V. Duda, Zashch. rast. 11 no. 11:23 '66.

## VIRUS RESEARCH

- Detection of viral antigen in the infected cell by the method of <sup>125</sup>I-labeled antibodies. V. M. Stalpanova, E. M. Zhanitova. *Biol. eksp. biol. med.* 55 no. 5:91-92 My '63
- Editorial note. *Vop. virus* 8 no. 1:523-524 Ji-Ag '63.
- Interferon and some problems of viral interference. V. P. Gamburg. *Vop. virus* 8 no. 4:387-391 Ji-Ag '63

## VIRUS RESEARCH—ABSTRACTS

- Annotations of articles received by the editors. *Vop. virus* 8 no. 4:513-520 Ji-Ag '63.

## VIRUS RESEARCH—CONGRESSES

- Brief news. *Vop. virus* 11 no. 5:630-637 S-O '68

## VIRUSES

- Antibodies to SV<sub>10</sub> in monkeys of different species. M. I. A. Chumakova, G. I. Avgustinovich, T. I. Zabolova. *Vop. virus* 8 no. 4:452-456 Ji-Ag '63
- Association of staphylococcus with respiratory viruses in acute pneumonia. V. V. Titov, A. S. Larionov. *Zhur. mikrobiol., epid. i immunit.* 43 no. 1:74-76 N '66
- Cytological and cytochemical examination of primary and continuous kidney cell cultures of the African green monkey (*Chlorocebus aethiops*) infected with the simian virus SV<sub>40</sub>. V. I. A. Kamyshova and others. *Vop. virus* 8 no. 4:160-166 Ji-Ag '63
- Detection of antibodies to the monkey virus (SV<sub>10</sub>) in human sera. Serological evidence of infection from monkeys and kidney cultures. M. I. A. Chumakova and others. *Vop. virus* 8 no. 4:457-460 Ji-Ag '63.
- Electron microscope examination of the vacuolizing virus SV<sub>10</sub> in green monkey kidney cell tissue culture and in viral suspensions. N. M. Shestopalova and others. *Vop. virus* 8 no. 4:466-470 Ji-Ag '63.
- Electron microscopic method of studying viruses with help of ferritin-labeled globulins. Isolation and characteristics of ferritin. I. A. G. Kishko, I. G. Mikhailov, N. S. Pavlov. *Vop. virus* 11 no. 5:585-589 S-O '68
- Filipheumlike strain isolated from cutaneous vascular tissue of human embryo. I. Brudavaya, S. Atsev. *Vop. virus* 11 no. 5:607-609 S-O '66
- Formation of hemagglutinins and infectious Sendai virus in cells of ascetic Ehrlich carcinoma. I. U. A. Smirnov, A. G. Bukhtinskaya. *Vop. virus* 11 no. 5:570-573 S-O '66
- Hemagglutination reaction with simian viruses. E. P. Pille. *Vop. virus* 8 no. 5:505-509 Ji-Ag '63
- Inhibitory effect of normal cellular RNA on the multiplication of viruses. T. I. Tikhonenko and others. *Vop. virus* 8 no. 4:480-485 Ji-Ag '63.
- Latvijas Padomju Sociālistiskās Republikas Zinātņu akadēmija, Mikrobioloģijas institūts. [Viruses in oncology] Vīrusu onkoloģija. Rīga, Zinātne, 1966. 353 p. (DNLN)

- Oncogenic properties of polynuclear virus of the 13/Moscow strain. Z. L. Merkalova. *Vop. onk.* 12 no. 11:45-48 '66.
- Purification and concentration of human and animal viruses: a short review of literature. A. F. Bocharov, I. P. Bocharov, O. N. Berezina. *Vop. virus* 11 no. 6: 643-647 N-D '66
- Separation of lytic and killing activity of bacterial virus particle. V. A. Zuev, G. I. Bud. *Vop. virus* 11 no. 6: 648-652 N-D '66
- Significance of the bursa Fabricii in the induction of tumors in chicks by means of Raus' sarcoma viruses. R. M. Radzikhovskaya. *Vop. onk.* 12 no. 11:46-50 '66
- Study of polyoma virus in various tissue culture systems. Chronic infection of transplantable APO-1 cells induced by polyoma virus. E. Sh. Vardosanidze, V. V. Meunier-gila, I. I. Mshvelobadze. *Vop. virus* 11 no. 5:578-580 S-O '66.
- Study of viruses isolated from Holkin's disease patients and their contacts. O. A. Nuromskaya. *Vop. virus* 11 no. 6:721-724 N-D '66
- Temperature-viscosity relationship of high polymer ribonucleic acid in insects infected with a virus-containing deoxyribonucleic acid. I. P. Kok, I. N. Skuratovskaya. *Biokhimiya* 28 no. 2:258-264 Mr-Ap '63
- Tikhonenko, T. I. [Biochemistry of viruses] *Biokhimiya virusov*. Moskva, Meditsina, 1966. 294 p.
- Use of the fluorescent antibody method for study of the localization of simian virus No. 40 in the cell and for its rapid detection in vaccine. S. G. Dzugasov and others. *Vop. virus* 8 no. 4:471-474 Ji-Ag '63.
- Use of tissue cultures for studying oncogenic viruses. A. D. Timofeevskii. *Vest. AMN SSSR* 15 no. 12:3-14 '69.

- Virological and serological data on latent infection caused by the SV<sub>10</sub> virus in Macaca thersus monkeys. G. I. Kollustina. *Vop. virus* 8 no. 4:430-432 Ji-Ag '63

## VIRUSES—CULTURES AND CULTURE MEDIA

- Carbohydrate metabolism in the culture of swine embryonic kidney epithelium infected with the foot-and-mouth disease virus. A. G. Revenkov, D. V. Tsvetkov, L. F. Giumina. *Veterinariya* 43 no. 1:20-24 Ja '67.
- Foot-and-mouth disease vaccine from the virus cultivated in calf kidney cell suspension. N. V. Likhachev and others. *Veterinariya* 43 no. 1:24-25 Ja '67

## VIRUSES—GENETIC RESEARCH

- Phenomenon of interference of enteroviruses in experiments on tissue cultures. Report No. 2: Use in capacity of interfering agent of noncytopathogenic viruses. L. M. Mentovich. *Trudy Mosk. nauch.-issl. inst. virus. prep.* no. 3:115-151 '65
- Study of genetic characteristics of epithelioid and myoepithelial strains of stomatitis aphthosa virus, viral ribonucleic acid and progeny of viral ribonucleic acid. I. U. Z. Gendron and others. *Trudy Mosk. nauch.-issl. inst. virus. prep.* no. 3:152-160 '65

## VISCERA

- Vasomotor reactions of organs in the abdominal cavity at various levels of arterial pressure. V. P. Karginna. *Biol. eksp. biol. med.* 55 no. 5:16-20 My '63

## VISCOSE

- Change of the composition of ash elements in viscose in the process of its production. M. D. Isakov and others. *Trudy VNIB* no. 51:91-97 '65

## VISCOSIMETER

- Use of a spherical cylinder viscosimeter for measuring the viscosity of pastes for printing with vat dyes. L. M. Holamb. *Leh. prom.* no. 2:34-38 Ap-Jun '62.

## VISCOSIMETRY

- Light scattering and viscosimetry of polyvinyl methylsiloxane solutions. A. B. Dushkova and others. *Vysokom. soed.* 8 no. 10:1814-1817 O '66.

## VISCOSITY

- Concentration dependence of the size of polymer coils in poor solvents. V. E. Eskin, A. E. Nestorov. *Koll. zhur.* 28 no. 6:904-909 N-D '66.
- Conductance and viscosity of mixtures of aqueous solutions of polymethacrylic acid and polyvinyl alcohol. I. S. Oskrimenko and others. *Vysokom. soed.* 8 no. 10: 1707-1711 O '66.
- Effect of low-molecular substances on viscosity of polymer melts. M. A. Nafov, E. Kh. Dzhangarova. *Vysokom. soed.* 8 no. 10:1841-1845 O '66.
- Effect of thermomechanical prehistory on viscosity properties of binary polymer systems. G. V. Vinogradov and others. *Koll. zhur.* 28 no. 6:809-813 N-D '66.
- Effect of viscosity of reaction medium on rate of initiation of radical polymerization. P. E. Messerle, G. P. Gladyshev. *Vysokom. soed.* 8 no. 10:1818-1822 O '66
- Formula for calculating viscosity of petroleum oils at low temperatures. Sh. S. Gadzhiev. *Azerb. neft. khoz.* 45 no. 9:30-40 S '66.
- Hydrodynamics of polymer solutions. Part 5: Intrinsic viscosity of semirigid macromolecules. I. U. E. Elzner, O. B. Filitsyn. *Vysokom. soed.* 4 no. 11:1725-1731 N '62.

- Viscosity of boron trifluoride. G. M. Panchenkov and others. *Vest. Mosk. un. Ser. 2: Khim.* 17 no. 5:11-13 S-O '62

## VISHNIAKOV, SAVVA GAVRILOVICH, 1897-1964

- Savva Gavrilovich Vishniakov. *Trudy VGU* 63:3-5 '65.

## VISION

- Aspects of the optimization of the visual analyzer. V. D. Glezer. *Biopsychika* 8 no. 5:635-6 '63
- Effect of functional elimination of the afferent visual nerves on the electrical activity of the cortex and reticular formation of the rabbit brain. L. A. Novikova, V. I. Beltaev. *Zhur. vys. nerv. detal.* 13 no. 4:715-726 Ji-Ag '63
- Functional changes in the visual analyzer of patients with cancer. Report No. 2. Sh. S. Akhmedanova. *Azeib. med. zhur.* 40 no. 3:12-18 Mr '63.
- Spatial analysis in hammyrd baboon young following the simultaneous excitation of the visual, olfactory, hearing and vestibular apparatus. V. I. Korolev. *Zhur. vys. nerv. detal.* 13 no. 4:652-657 Ji-Ag '63.

## VISITORS, AMERICAN

- Works on the Soviet Union published by progressive American authors. I. V. Smirnov. *Ist. SSSR* 10 no. 6:179-181 N-D '66

## VISITORS, ENGLISH

- British lawyers have visited the U.S.S.R. L. Akimenko. *Sots. zakon*, no. 11:82 N '66.

## VISITORS, HUNGARIAN

- Hungarian lawyers have visited the Soviet Union. *Sots. zakon*, no. 11:80-81 N '66.

## VISITORS, SENEGALESE

- Visitors from Senegal. *Sots. zakon*, 43 no. 12:611-614 D '66.

## VITAMIN METABOLISM

- Indices of the metabolism of vitamins A and C and carotene in healthy and dyspeptic calves. B. M. Anshkin, *Veterinariya* 43 no. 11:58-59 N '66

## VITAMINS

- Effect of X-ray irradiation on high nervous activity in dogs treated with various vitamins. B. I. Shalimov. *Radiobiologiya* 6 no. 5:760-763 '66.
- Vitamin content of the milk of cows fed rations containing vitamins. L. A. Kruglova. *Khim. v sel. khoz.* 1 no. 12:19-51 D '66

## VITAMINS—A

- Quantitative method of determining vitamin A and carotene in whole blood. V. A. Karpacheva. *Biokhimiya* 20 no. 2:201-209 Zh-Ap '63

## VITAMINS—B<sub>2</sub> see Riboflavin

## VITAMINS—B<sub>5</sub> see Nicotinic acid

## VITAMINS—B<sub>12</sub> see Cyanocobalamin

## VITAMINS—D<sub>2</sub> see Ergocalciferol

## VITAMINS—E see Tocopherol

## VITAMINS—G see Riboflavin

## VITAMINS—P see Bioflavonoids

## VITEDSK—SHOE INDUSTRY—MANAGEMENT

- Bonus system for piecworkers. A. M. Dil'shin. *Pr. Prom. Bel.* 9 no. 12:13-11 D '66

## VITEBSK—VOCATIONAL EDUCATION

- Interplant schools for exchange of experience. S. I. Fainerova. *Prom. Bel.* 9 no. 12:50 D '66

## VITICULTURE

- Lukjanov, A. D. [Organization of viticulture] *Organizatsiya vinogradarstva*. Moskva, Kolos, 1966. 106 p. (DNLN)

## VITREOUS STATE

- Mobility of polyhalosilylene macromolecules. Part 1: Study of the forms of molecular motion of poly-<sup>2</sup>-fluoro-5-methylsilylene by the dielectric method and polarization methods. G. P. Mikhailov, T. I. Barabina. *Vysokom. soed.* 1 no. 11:1732-1738 N '62
- Polymerization in highly viscous media and three-dimensional polymerization. Part 4: Study of free radical recombination in polyacrylate glasses by means of electron paramagnetic resonance. G. V. Korolev, B. I. Smirnov, A. B. Bulkhovitskiy. *Vysokom. soed.* 4 no. 11:1660-1661 N '62
- Tensometric determination of glass-transition temperatures. I. M. Dzikh, E. I. Nekhendz. *Plast. massy* no. 12:61-63 '66

## VITVER, IVAN ALEKSANDROVICH, 1891-1966

- Ivan Aleksandrovich Vitver (1891-1966), obituary. *Vest. Mosk. un. Ser. 5: Geog.* 21 no. 6:117-118 N-D '66

## VLADIMIR—RADIO IN INDUSTRY

- And three words about people... P. Romashov. *Radio i tel.* 12 no. 6:17 Je '63.

## VLADIMIR PROVINCE—FLOUR MILLS

- Growth of the production capacity of flour milling enterprises in Vladimir Province. S. Kosol. *Mok. elev. prom.* 32 no. 11:6-7 N '66

## VLADIMIR PROVINCE—MOOSE

- Winter distribution of moose in hunting grounds of Vladimir and Kaluga Provinces. E. P. Pivovarov. *Biol. i prom. lesa* no. 2:106-112 '65.

## VLADIMIR PROVINCE—MOTION PICTURES IN AGRICULTURE

- They have seen the motion picture, and then what? F. Kashirskii. *Agitator* no. 18:59-61 S '62.

## VLADIMIROV, GEORGH EFIMOVICH, 1901-1960

- In memory of G. E. Vladimirov. *Vest. AMN SSSR* 15 no. 12:88 '60.

## VLADIMIROV, MIRON KONSTANTINOVICH, 1870-1923

- A veteran of the "Lenin Guards." E. M. Enlia. *Vop. ist.* 41 no. 12:200-208 D '66.

## VOCATIONAL EDUCATION

- (see also subdivision under Vitebsk)
- Economics of education in the Scientific Research Institute of Finance. I. Baklagina, V. Garandina. *Fin. SSSR* 40 no. 11:83-94 N '66.
- Preparing schoolchildren for work. A. A. Vasil'ev. *Sov. pedagog.* 30 no. 6:24-32 Je '66
- Results of a discussion of the relationship between school and life. *Vech. sred. shkola* 9 no. 6:99-91 N-D '66.

## VOCATIONAL GUIDANCE

Light on your star. V mire knig 6 no. 12 17-18 D '66.  
School and life. T. Shengelevich. Sov. iadto i tel. 8  
no 3 9 '66.  
Young recruits of various trades. M. Kopanov. Nar. obz.  
no 12 67-68 D '66.

**VODKA** see subdivision under Lithuania

## VOICES OF FAMOUS PEOPLES

**Volkov-Lanulj, L.F.** [A voice preserved for centuries;  
how they recorded and restored the speeches of V. I.  
Lenin] Golos, sokhraneniye na veka, kak zapisali i vos-  
stanovili rechi V. I. Lenina. Izd. 2, dop. Moskva, Iskus-  
stvo, 1966. 62 p.

**VOLCANIC ASH, TUFF, ETC** see subdivision under  
Caucasus, Kamchatka; Kuyuvodsk Oil Field;  
Mangyshlak Peninsula

**VOLCANIC ASH, TUFF, ETC**—ANALYSIS see sub-  
division under Ural Mountains

**VOLCANOES** see subdivision under Kamashir Island;  
Sayan Mountains, Soviet Far East

## VOLCANOES—CONGRESSES

Second All-Union Volcanological Conference. L.F. Makho-  
v. Vop. geog. Kamch., no. 3 132-133 '65.

**Vsesoyuznoe vulkanologicheskoe soveshchaniye, 2d.** Pei-  
pavlovsk-Kamchatskiy, 1964. [Volcanism and the sub-  
surface structure of the earth, transactions] Vulkanizm  
i glubinnoe stroenie Zemli; trudy. Moskva, Nauka,  
Vol. 3, 1966. 118 p.

## VOLGA-AKHITUBA FLOODPLAIN—CORN BREEDING

Determining the viability of corn pollen in the fields  
of the Volga-Akhituba Floodplain. A. G. Khudolov.  
Sbor. tr. iud. asp. i mol. ranch. sot. VIR no. 2:108-112 '61.

## VOLGA-AKHITUBA FLOODPLAIN—WEEDS

Some data on vegetative reproduction of weeds in the  
northern part of the Volga-Akhituba Floodplain. M. N.  
Koblova. Uch. zap. Volg. gos. ped. inst. no. 18:11-23 '61.

## VOLGA-BALTIC SEA WATERWAY REGION—DESCRIP- TION AND TRAVEL

Days of joy and waves of bitterness. B. Beknazar.  
Izbrannoe. Sov. protsolyuz. 22 no. 2:39-40 D '66.

## VOLGA HYDROELECTRIC POWER STATION (LENIN)

Operating the hydraulic structures of the Volga Hydr-  
oelectric Power Station (Lenin). D. V. Sidorkin, M. S.  
Baranov. Gid. stroit. 33 no. 8:1-7 '66.

**VOLGA-URAL PETROLEUM REGION** see Second Baku

## VOLGA VALLEY—CLAY MINERALS

Allogenic and autogenic clay minerals in sandy-silt and  
argillaceous rocks of Pashlya horizon in Ural portion  
of Volga Valley. T. T. Khabova. Izv. AN SSSR. Ser. geol.  
31 no. 12:83-94 D '66.

## VOLGA VALLEY—CONSTRUCTION INDUSTRY

We exceed the plans and save materials. V. Likhachev.  
Na stroit. Ros. 4 no. 10 18 O '63.

## VOLGA VALLEY—CONSTRUCTION INDUSTRY—IN- FORMATION SERVICES

Pay greater attention to technical information. N. Iva-  
shin. Na. Stroit. Ros. 7 no. 11:20 N '66.

## VOLGA VALLEY—ETHNOLOGY

**Nusynin, E.P.** [Rural Russian population of the middle  
Volga Valley; an historical and ethnological study of  
material culture, the middle of the 19th to the beginning  
of the 20th century] Russkoe sel'skoe naselenie Sredne-  
go Povolzh'ya; istoriko-etnograficheskoe issledovanie  
material'noi kultury (sereidna XIX - nach. XX vv.).  
[Kazan'] Izd-vo Kazanskogo univ., 1966. 402 p.

## VOLGA VALLEY—GAS, NATURAL—GEOLOGY

Tectonics and oil and gas potential of the area of Kuby-  
shev and Orenburg Provinces in trans-Volga region. I. M.  
Zhukov. K. D. Kulikov. Geol. nefti i gaza 10 no. 11:5-  
18 N '66.

## VOLGA VALLEY—GEOLOGY, STRUCTURAL

Characteristics of location of local structures in northern  
part of Ural-Volga interfluvie. P. I. A. Avinov, I. M. Bro-  
var. Izv. AN Kazakh. SSR, Ser. geol. 23 no. 6:51-55  
S-O '68.

## VOLGA VALLEY—HEMORRHAGIC FEVER

Epidemiological characteristics of hemorrhagic fever  
with the renal syndrome in middle Volga Valley. T. A.  
Bashkirev, V. A. Boiko. Zhur. mikrobiol., epid. i  
imunit. 43 no. 11:122-127 N '66.

## VOLGA VALLEY—PALEOGEOGRAPHY

Direction of washdown and migration ways of material  
in Lower Saratov basin in middle Volga Valley. U. G.  
Distanov. Dokl. AN SSSR 171 no. 2:446-449 N '66.

## VOLGA VALLEY—PETROLEUM GEOLOGY

Tectonics and oil and gas potential of the area of Kuby-  
shev and Orenburg Provinces in trans-Volga region. I. M.  
Zhukov, K. D. Kulikov. Geol. nefti i gaza 10 no. 11:5-  
18 N '66.

## VOLGA VALLEY—POPULISM (NARODNICHESTVO)

**Ginev, V.N.** [Populist movement in the central Volga Val-  
ley in the 1870's] Narodnicheskoe dvizheniye v srednem  
Povolzh'e, 70-e gody XIX veka. Moskva, Nauka, 1966.  
152 p.

## VOLGA VALLEY—POTTERY, ANCIENT

The "Vysselki" campaign, the Neolithic period in the  
eastern part of the Volga-Oka interfluvie. V. V. Fedorov,  
V. P. Tret'nikov. Sov. arkhool. 10 no. 1 105-115 '66.

## VOLGA VALLEY—ROCKS, SEDIMENTARY

Direction of washdown and migration ways of material  
in Lower Saratov basin in middle Volga Valley. U. G.  
Distanov. Dokl. AN SSSR 171 no. 2 446-449 N '66.  
Characteristics of soils of the Solonchik complex in the  
soil zones of the lower Volga Valley. S. I. Nikitin.  
Uch. zap. Volg. gos. ped. inst. no. 18:127-130 '61.

## VOLGOGRAD—ALUMINUM PLANTS—MAINTENANCE AND REPAIR

Repairing elect. electrolyzers using blinets. S. F. Vlas'ev, B. K.  
Sidel'nikov. Mont. i stroit. mash. v stroit. 23 no. 8:27  
Vg '63.

## VOLGOGRAD—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Blocks of houses from mesh-reinforced lime concrete.  
V. Ularovskiy. Na stroit. Ros. 4 no. 10:24-25 O '63.

## VOLGOGRAD—CABLE INDUSTRY—MANAGEMENT

Scientific labor organization spreads from a workshop  
to the entire plant. F. Zvezdin, L. Volgin. Sov.  
profsoyuz. 22 no. 2:20-21 D '66.

## VOLGOGRAD—HISTORY

[Volgograd, the heroic city] Gored - gerol Volgograd.  
[By] V. P. Ershov i dr., Volgograd, Nizhne-Volzhskoe  
knizhnoe izd-vo, 1966. 262 p.

## VOLGOGRAD—PUBLIC BUILDINGS—DESIGN AND CONSTRUCTION

New buildings in Volgograd. S. B. Iskin. Arkh. 55SR  
no. 7, 18-19 '66.

## VOLGOGRAD PROVINCE—BLACKFLIES

Some data on black flies breeding in the Volga and Volga-  
Akhituba Canal in Volgograd Province. V. D. Patruseva.  
Med. paraz. i paraz. bol. 32 no. 2:200-204 M-O '63.

## VOLGOGRAD PROVINCE—BRUCELLOSIS

Epidemiology of brucellosis in Stalingrad Province. G. A.  
Balandin and others. Trudy Gos. nauch.-issl. protivo-  
chim. inst. 10:133-137 '59.

## VOLGOGRAD PROVINCE—CALVES—DISEASES AND PESTS

Locke-Ringer's solution in dyspepsia of calves. A. D.  
Morozov. Veterinarnia 13 no. 12:80-81 D '66.

## VOLGOGRAD PROVINCE—FOOD INDUSTRY

Food industry at the Volgograd industrial center. M. S.  
Strutsev. Uch. zap. Volg. gos. ped. inst. no. 10:90-114 '61.

## VOLGOGRAD PROVINCE—GEOLOGY, STRUCTURAL

A possible but not uplift in northern part of Volgograd  
Province region of Volga Valley. D. V. Kucheruk, E. A.  
Silonov. Geol. nefti i gaza 10 no. 11:30-32 N '66.

## VOLGOGRAD PROVINCE—GRAPES

Dynamics of fruit bud formation in the grapevine under  
conditions prevailing in Volgograd Province. M. N.  
Asoskova. Uch. zap. Volg. gos. ped. inst. no. 18:3-10 '64.

## VOLLEYBALL

Sobuz sportivnykh obshchestv i organizatsii SSSR. Tsen-  
tral'nyi sovet. [Volleyball; competition rules] Volei-  
bol; pravila sorenovanii. Moskva, Fizkul'tura i sport,  
1966. 42 p.

## VOLOGDA—ARCHITECTURE

[Architectural monuments of Vologda] Pamiatniki arkh-  
itektury Vologdy. [Vologda, Severo-Zapadnoe knizhnoe  
izd-vo, [n.d.] 1 v. (chiefly illus.)

## VOLOGDA PROVINCE—ANTIQUITIES

The Medione campaign; its origin and its relation to  
Kargopol' culture. S. V. Oshibkina. Sov. arkhool. 10  
no. 4:27-37 '66.

## VOLOGDA PROVINCE—EMPLOYEES, DISMISSAL OF

This shouldn't happen. R. Grigor'ev. Obr. truda i  
sots. strakh. 9 no. 12:12 D '66.

## VOLOGDA PROVINCE—MAN, PREHISTORIC

Finno-Ugrian burial grounds in Vologda Province. N. A.  
Chernitsyn. Sov. arkhool. 10 no. 4:196-201 '66.

## VOLOGDA PROVINCE—MURAL PAINTING AND DECORA- TION

The Acaethus cycle of paintings in the St. Gerapont  
Monastery. T. N. Mikhel'son. Trudy ODRL 22:144-  
164 '66.

## VOLTAGE REGULATORS

Contactless transistorized voltage regulator. I. B. Baskin,  
A. I. Khomenko, V. N. Meleshkin. Elek. i tepl. enrg. 10  
no. 10 31-33 O '66.

## VOLTAMMETRY

Direct voltammetric titration of selenium (IV) with  
potassium iodide solution. L. N. Agasian, E. R.  
Nikolaeva, P. K. Agasian. Zhur. anal. khim. 21 no. 12  
1170-1174 '66.

## VOLTMETER

Phase-sensitive voltmeter for determining a.c. hysteresis  
curves. L. N. Chechurina. Izv. tekhn. no. 6 45-47 Jo  
'62.

Taking into consideration the effect of a low-resistance  
voltmeter on circuit conditions. M. I. Gribanov. Izv.  
tekhn. no. 6 42-44 Jo '62.

## VOLUMETRIC ANALYSIS see Titration

## VOLYN' PROVINCE—ECONOMIC CONDITIONS

**Martsenuk, P.M., and D.P. Sydorenko.** [Encounters on the  
25th meridian] Zuzhich na 25-mu meridiani.  
Lviv, Kamelari, 1968. 166 p.

## VORONEZH—CITY PLANNING

Planning possibilities in achieving design for territory in  
center of Voronezh bounded by four main arteries.  
L. Berezhina, O. Berezhin. Arkh. 55SR no. 12 36-37  
'66.

## VORONEZH—RUSSIAN PERIODICALS

"Filologicheskie zapiski," a periodical published in  
Voronezh and its interpretation of the history of the  
Slavs. L. I. Gabelko, G. I. Zaslavov. Vop. i sl. slav.  
no. 2 257-266 '66.

## VORONEZH PROVINCE—BRUCELLOSIS

Epidemiology of brucellosis in Voronezh Province. G. A.  
Balandin and others. Trudy Gos. nauch.-issl. protivo-  
chim. inst. 10:139-144 '59.

## VORONEZH PROVINCE—FORAMINIFERA, FOSSIL

Stratigraphic correlation of Upper Cretaceous deposits of  
the southern slope of the Voronezh anticline based on  
the foraminiferal fauna. L. I. A. Berezhentseva and others.  
Trudy VGU 63 39-47 '65.

## VORONEZH PROVINCE—GEOLOGY, STRATIGRAPHIC

Stratigraphic correlation of Upper Cretaceous deposits of  
the southern slope of the Voronezh anticline based on  
the foraminiferal fauna. L. I. A. Berezhentseva and others.  
Trudy VGU 63 39-47 '65.

## VORONEZH PROVINCE—GEOMORPHOLOGY

Concerning M. S. Tsyganov's article "Geomorphological  
structure and age of the territory of Voronezh Province  
as the most important element in establishing soil  
regions." V. N. Pecherzhenskaya. Trudy VGU 63:  
135-137 '65.

## VORONEZH PROVINCE—GRAIN

Seeds and crops. B. V. Vedenchenko, M. Negyshevskii.  
Zemledelie 28 no. 11:31 N '66.

## VORONEZH PROVINCE—SALINE AND ALKALI SOILS

Concerning M. S. Tsyganov's article "Geomorphological  
structure and age of the territory of Voronezh Province  
as the most important element in establishing soil  
regions." V. N. Pecherzhenskaya. Trudy VGU 63:  
133-137 '65.

## VORONEZH PROVINCE—STOCK AND STOCKBREEDING

Let's mechanize our stock farming. N. Manukovskii.  
Agitator no. 2:39-33 Ja '62.

## VORONEZH PROVINCE—TERRACES (GEOLOGY)

Unusual structural terrace on the Cenomanian sands.  
R. V. Krasnenkov. Trudy VGU 63:48-19 '65.

## VORONEZH VALLEY—EARTH MOVEMENTS

Some geomorphological signs of recent tectonic move-  
ments in the lower Voronezh Valley. M. A. Klimenko.  
Trudy VGU 63:108-111 '65.

## VOVCHOK, MARKO

**Khudash, L.S.** [Studying the works of Marko Vovchok  
in school] Vychennia tvorchosti Marka Vovchoka v  
shkoli. Kyiv, Radnashka shkola, 1964. 142 p.  
(CaOYU)

## VOYAGES AND TRAVELS

**Chelchuk, V.M.** [Stops through a strange land] Shagi  
po chuzhoi zemli. [Moskva] Molodai gvardia, 1960.  
124 p.

Genre traits of old Russian "travels." V. V. Danilov.  
Trudy ODRL 18:21-37 '62.

**Novikov, L.A., and A.K. Tairandukh.** [On warm  
seas...] Moriami teplymi... [Moskva, Sovetskaya  
Rossiya, 1966] 168 p. illus.

**Semper, Johannes.** [Works] Toosed. Tallian, Eesti  
Raamat.

Vol. 5. [Travel notes] Reisikirjad. 1965. 520 p.  
[In Estonian]

- VOYNICH, ETHEL LILLIAN (BOOLE), 1854-1960**  
Shumakova, T. A. [The work of Ethel Lillian Voynich. Author's abstract of the dissertation for the degree of Candidate in Philological Sciences] Tvorchestvo Etl' Lillian Voynich Avtor'skiy dissertatsii na soiskaniye uchenoj stepeni kandidata filologicheskikh nauk. Nauch. rukoditel' - Z. T. Grazhdanskaya Moskva, Olv. pedagog. in-t, 1965. 17 p.  
[MICROFILM]
- VRANGEL' ISLAND—POTASSIUM-ARGON DATING**  
Potassium-argon dating of rocks in Vrangeli Island L. V. Firsov. Geol. izvestiya no. 9:11-20 '65
- VRUBEL', MIKHAIL ALEKSANDROVICH, 1856-1910**  
Realization of a creative plan. A. Fedorov-Davydov. Iskusstvo 20 let, 1965 '66
- VULCANIZATION**  
Effect of chemical bonds between rubber and filler on vulcanizate reinforcement. Z. V. Chernykh, V. G. Eshstein, H. P. Tikhomirov. Kolloid. zhur. 28 no. 6:900-903 N-D '66  
Protection of rubber compounds against scorching by means of organic chlorine-containing compounds. A. E. Grinbl'ig, V. F. Chernikov, A. A. Potashnik. Kaucuk i rez. 21 no. 6:9-11 Ja '62  
Toxicological evaluation of some sulfenamide derivatives of 2-mercaptobenzothiazole used as vulcanization accelerators. H. S. Votobleva, N. V. Muzhtseva. Kaucuk i rez. 31 no. 6:14-16 Je '62
- VULCANIZED FIBER**  
Increase of the reaction capacity of cotton fibers with zinc chloride solutions in the production of base paper for vulcanized fiber. A. P. Kuznetsova. Trudy VNIIE no. 51:35-42 '65
- VULVECTOMY**  
Chromic therapy during vulvectomy to prevent metastasis. G. A. Obukhtova. Klin. onk. no. 1:52-55 '65
- VYATKA VALLEY—ANTIQUITIES**  
A Mesolithic campsite in the Chervyatsy River Valley. I. I. Stefanova. Sov. arkheol. 10 no. 4:154-155 '65
- VYATKA VALLEY—GEOLOGY, STRATIGRAPHIC**  
Lower Cretaceous sediments of Vyatka-Kama Interfluvie. S. G. Dubel'skiy. Bui. MOIP. Otd. geol. 41 no. 4:238-240 Ji-ig '66
- VYBORG—TELECOMMUNICATION—EMPLOYEES**  
Life and work of Vyborg telecommunication workers. L. IA. Lakotse. Vest. svyazi 20 no. 11:23-25 N '66
- VYCHEGDA VALLEY—RUNOFF**  
Characteristics of atmospheric pressure and circulation in years with abnormalities in the water supply of the Kama, Pechora, and Vychegda River. L. A. Zhukovitch. Vest. Mosk. un. Ser. 5 Geog. 21 no. 6:93-95 N-D '66
- VYDRIKHA REGION (ALTAI TERRITORY)—ROCKS, IGNEOUS**  
Stratification of magma during the formation of the vein rock of the Began'vitskiy granitoid massif in the Altai. V. S. Kuznetsov. Vest. AN Kazakh SSR 22 no. 10:71-73 Q '66
- VYGOTSKI, LEV SEMENOVICH, 1896-1934**  
Generalization problem in L. S. Vygotski's works. V. V. Davydov. Vop. psikh. 12 no. 6:42-54 N-D '65  
L. S. Vygotski and the problem of localization of functions. A. R. Lurria. Vop. psikh. 12 no. 6:55-61 '65  
L. S. Vygotski's role in the development of the problems of perception. A. V. Zaporozheta. Vop. psikh. 12 no. 6:11-24 N-D '66  
Problem of learning and development in L. S. Vygotski's works. D. B. Ef'konin. Vop. psikh. 12 no. 6:33-41 N-D '66
- WAGES**  
(see also subdivision under Poland)  
Economic basis of the differentiation of wages. N. Rabkina, N. Rimashevskaya. Vop. ekon. no. 12:78-89 n '66  
Socialist law of the distribution according to labor, and the law of value. E. Chizhov. Sots. trud 11 no. 12:54-61 D '66  
Wage regulation. S. S. Karinskii. Sov. profsolyuzy 22 no. 23:44-46 D '66
- WAGES—AGRICULTURAL MACHINERY INDUSTRY**  
see subdivision under Odessa
- WAGES—AGRICULTURISTS**  
Recommendations for wages for agronomists. Zemledelie 28 no. 12:68-70 D '66
- WAGES—BORING** see subdivision under Krasnoyarsk Territory
- WAGES—COMMERCE**  
A new procedure for economic stimulation. N. Vasenin. Sov. torg. 40 no. 1:6-9 Ja '67
- WAGES—CONSTRUCTION INDUSTRY**  
Wages for construction workers. G. Stefan, Sois. trud 11 no. 12:131-133 D '66
- WAGES—DEPARTMENT STORES** see subdivision under Moscow
- WAGES—DISMISSAL WAGE**  
Procedure in the payment of discharge benefits. G. I. Imenfel'd. Sots. zakon. no. 11:81-83 N '66
- WAGES—DISTILLING INDUSTRIES**  
Transfer to a seven-hour workday and the new wage system. V. E. Melnikov, E. V. Molosinov. Spil. prom. 28 no. 5:11-12 '62
- WAGES—FEED INDUSTRY**  
Scales of rewarding the workers of enterprises transferred to new conditions of planning and economic stimulation. V. R. Babochenko. Muk. elev. prom. 32 no. 11:30-31 N '66
- WAGES—FLOUR INDUSTRY**  
Scales of rewarding the workers of enterprises transferred to new conditions of planning and economic stimulation. V. R. Babochenko. Muk. elev. prom. 32 no. 11:30-31 N '66
- WAGES—HANDBOOKS, MANUALS, ETC.**  
Danilevich, V. G. [Manual for wages] Spravochnik po zarabotnoi plate. Minsk, Nauka i tekhnika, 1966. 502 p.
- WAGES—HIGHWAY TRANSPORT WORKERS**  
Improve wage system of maintenance workers. Avi. transp. 44 no. 12:14-15 D '66  
Wages of maintenance workers in an automotive transportation unit. V. Mizulov. Avi. transp. 41 no. 12:16-18 D '66
- WAGES—JOURNALISTS**  
This is an important question. S. Fateev. Sov. radio i tel. 12 no. 6:10 Je '63
- WAGES—MACHINERY INDUSTRY**  
(see also subdivision under Lugansk Province)  
Popov, V. E. [Organization of wages in machinery manufacturing enterprises] Organizatsiya zarabotnoi platy na predpriyatiakh mashinostroyeniya. Kiev, Tekhnika, 1966. 185 p.
- WAGES—PETROLEUM INDUSTRY**  
On the size of funds and incentive norms for oil field administrations. P. A. Berezovskii, K. T. Maksimov. Eksp. nedroboz. prom. no. 8:3-6 '66
- WAGES—RAILROADS**  
Mode of payment for combined professions. IA. P. Kaitsev. Zhel. dor. transp. 18 no. 6:83-84 Je '66
- WAGES—SHOE INDUSTRY** see subdivision under Ukraine
- WAGES—STEEL INDUSTRY** see subdivision under Dnieper Valley
- WAGES—SUGAR INDUSTRY**  
Developing and improving the wage schedule for sugar industry workers. A. A. Arunkin. Trudy Ekon. fak. Kir. gos. un. no. 1:80-88 '64
- WAGES—TRANSPORTATION, AUTOMOTIVE** see subdivision under Latvia
- WAGES—WOOL INDUSTRY** see subdivision under Bryansk
- WALLS**  
(see also subdivision under Tallinn)  
Load-bearing capacity of interior walls in multistory panel-type buildings. A. Lysogotskii. Stroi. i arkh. Mosk. 12 no. 6:9-11 Je '63
- WALLS—TESTING**  
Investigating air permeability of some protecting structures. R. Akopian and others. Prom. Arm. 9 no. 10:58-60 '66
- WAR—PSYCHOLOGICAL ASPECTS**  
[Modern warfare and the psychology of the soldier] Sovremenniy boi i psikhologiya voyna. Moskva, Voenizdat, 1967. 110 p. (Soldatu i matorosu o revolyutsii v voennom dele)
- WAR CRIME TRIALS**  
Udovitch, I. M. [A man with somebody else's papers] Chelovek s chuzhim pasportom. [Rostov-na Donu] Rostovskoe knizhnoe izd-vo, 1965. 76 p.  
[MICROFILM]
- WAR CRIMES** see subdivision under Latvia
- WARBLE FLIES**  
Materials on the infestation of cattle by the larvae of warble flies in Omsk Province. G. I. Getta. Sbor. nauch. rab. SibNIV no. 11:185-188 '62
- WARBLE FLIES—EXTERMINATION**  
(see also subdivision under Tuva Province)  
Practice in the use of tolone and dimethoate in controlling warble flies. G. I. Getta. Sbor. nauch. rab. SibNIV no. 11:191-194 '62  
Dactena as an effective means of controlling warble flies. V. K. Metelitsa. Vets. zhurnal 13 no. 12:17-18 D '66  
Testing the larvicidal effect of trichloromelaphos-3 in the Hypoderma infestation of reindeer. A. A. Nezhdenov, P. I. Brishchun. Vets. zhurnal 13 no. 1:57-58 Ja '67  
Unforced feeding of weak solutions of chlorophyll in controlling the warble fly infestation of cattle. Reprint No. 2. G. I. Getta. Sbor. nauch. rab. SibNIV no. 11:194-196 '62  
Use of trichloromelaphos-3 in Hypoderma infestation. G. I. Getta and others. Vets. zhurnal 43 no. 1:51-51 D '67
- WAREHOUSES**  
New developments in the construction of warehouses. K. Raskovskii. Stroi. i arkh. 11 no. 11:30-31 Ag '61  
Warehouses and the organization of trade. G. Kozlov. L. Pekella. Sov. torg. 40 no. 1:9-12 Ja '67
- WARTS**  
Indirect iontophoresis of plantar warts. A. I. Getta, Z. S. Kishinon. Vest. dermat. i ven. no. 12:60-61 '67  
Local treatment of plantar warts with Fowler's (Fowler's) solution. A. I. Kogin. Vest. dermat. i ven. no. 12:60-61 '67
- WASTE, DISPOSAL OF** see Industrial wastes
- WATER**  
Effect of water structure in electrode processes. A. V. Prud'lov, O. I. Lopushanskaya, A. M. Baizer. Dop. AN URSS no. 7:808-811 '63  
Semi-micro method for determining isotopic composition of oxygen of water by H<sub>2</sub>O exchange with K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>. I. I. Vol'nov, V. N. Chumova, K. M. Salimova. Zhurnal. khim. 21 no. 10:1262-1263 '66
- WATER—ANALYSIS**  
(see also subdivision under Byk River)  
Conductometric method for determining the total hardness of water. G. B. Pasovskii. Izv. AN Tuzh. SSR. Ser. fiz. tekhn. khim., i geol. nauk. no. 2:108-110 '61
- WATER—CHLORINATION**  
Method for the removal of phenols and other organic substances from drinking water. I. A. Kul'pak, H. V. Kalnitschuk, A. N. Baranova'ka. Khim. prom. [Ukr.] no. 3:21-26 Ji-S '62
- WATER—COMPOSITION** see subdivision under Black Sea; Dnieper River
- WATER—ELECTROLYSIS**  
Thermoelectric water effect. I. S. Bibikov, V. I. Turik. Priroda 55 no. 12:58-60 '68
- WATER—MICROBIOLOGY**  
Use of phase-contrast microscopy in bacteriophage count by a direct method for the quantitative evaluation of water. L. E. Korshak, A. S. Nazarov. Mikrobiologiya 31 no. 2:357-361 M-Ap '62
- WATER—POLLUTION** see subdivision under Donets River; Seym River
- WATER—PURIFICATION**  
Kozlov, G. P., and E. D. Babchenko. [Methods for the purification and quality control of water] Metody ochistki i kontrolya kachestva vody. Moskva, Transport, 1966. 38 p. (Dobrye znanija nauki i tekhniki - v proizvodstve)  
Kuz'min, I. M. [Gauges in water-purifying structures; practical recommendations] Sochetayto uslanovki v vodoochistnykh sooruzheniyakh; prakticheskie rekomendatsii. Leningrad, Stroizdat, 1966. 130 p.  
Mechanization of the purification of water for rural water supply. V. S. Ovodov, P. S. Mitroshchenko. Gidromel. 18 no. 12:23-29 D '66  
Some conditions for the clarification of the circulating water of scrubbers of electric manganese-silicon furnaces. S. P. Shkneit and others. Vod., kan., gidr. soor. no. 1:121-126 '68
- WATER—THERMODYNAMICS**  
Thermophysical characteristics of water and steam on the saturation line (according to temperatures). Energomashinostroyeniye 8 no. 8:147-48 Ag '62
- WATER, UNDERGROUND**  
(see also subdivision under Asia; Caspian Sea region; Chulakna region, Kazakhstan; Dnieper-Donets Lowland; Ingul Valley; Ingulata Valley, Ukraine; Kara Kum; Mugodzhar Hill region; Orenburg Province; Second Daku, Turkmenistan; Ukraine; Ulanuy Valley; West Siberian Plain; White Russia; Zauruzkoye Plateau)  
Classification of the mountain rivers based on the indications of underground water sources. I. G. Glukhov. Izv. vys. ucheb. zav. geol. i razv. 6 no. 6:131-132 Je '63



## TER, UNDERGROUND (Continued)

- regarding the use of the method of low resistances in calculations of contour systems of wells. V. M. Melnikov. *Trudy Lab. inzh. gidrogeol. VODGEO* no. 4 24-28 '62.
- etermining the hydrogeological parameters of a bed from the data of short-term pumping. E. A. Gilevich. *Russk. khim. nedr.* 29 no. 3-12-45 1b '63.
- etermining the initial hydrogeological parameters for estimation of the usable reserves of underground waters. F. M. Bochev, K. F. Olanidi. *Trudy Lab. inzh. gidrogeol. VODGEO* no. 1 50-60 '62.
- ect of mole drainage on the conditions of ground waters. A. Maktianadze. *Subtrop. kul't.* no. 3 126-132 '66.
- asuring methods for determining the percolation filtration of ground waters. R. A. Smirnov. *Vod. khoz.* no. 4 97-105 '66.
- aluation of natural resources of underground waters of a water-bearing horizon. S. M. Mukhammedzhanov, I. Sychev, Zh. A. Buktoev. *Izv. AN Kazakh SSR Ser. Geol.* 23 no. 3 59-60 S-O '66.
- gulation with water under for mation conditions in a pool development. V. I. Popov. *Giz. prom.* 11 no. 11 16-17 '66.
- esis of the underground waters of abyssal zones. S. Havriienko. *Dop. AN URSR* no. 7 910-941 '63.
- ydrogeological prerequisites of exogenous epigenetic formation with participation of formation waters. K. Litvitsin. *Lit. i pol. iskop.* no. 6 124-128 N-D '66.
- trikov, N. I. [Prospecting for fresh underground waters for the purposes of large-scale water supply] *Polski razvedka podzemnykh vod dlia tseloi krupno vodostanbzhennia* [Moskva] Izd-vo Mosk. univ., Pt. 1. [Hydrogeological principles] *Gidrogeologicheskie osnovy* 1965. 241 p.
- problem of the flow of free ground water in a well with a weakly permeable confining layer. S. T. Rybakova. *Trudy VNIIG* no. 3 113-116 Ny-Ju '62.

## TER, UNDERGROUND—ANALYSIS

(see also subdivision under: Amur Valley; Turkmenistan)

perience in utilizing formation and damage waters, and preparation of water for flooding. A. V. Shakh-zadev. *Nefteprom. delo* no. 12 26-19 '66.

## TER, UNDERGROUND—MAPS

ethod for the regional estimation of the water conductivity of rocks by isoline mapping of underground water levels, taking into account the seepage and incomplete data on water conductivity. B. A. Shneiderman. *Dop. AN URSR* no. 7 948-951 '63.

## TER, UNDERGROUND—POLLUTION (see subdivision under: Lischansk Region (Ukraine), Kubelzino region (Ukraine))

## TER FLEAS

assumption of *Bacillus coli* by water flea *Daphnia pulex*. G. G. G. I. I. Levina, N. M. Kruchkova, V. G. Kondratuk. *Dokl. AN BSSR* 10 no. 12 982-984 D '65.

## TER GAS

chanism of the synthesis of hydrocarbons from carbon monoxide and steam. I. F. Bogdanov. *Trudy IGI* 18: 1-39 '62.

ay process for the synthesis of organic compounds from carbon monoxide and steam. Part 1: Synthesis on an iron-copper catalyst. I. F. Bogdanov, N. V. Lavrov, M. A. Kostomarov. *Trudy IGI* 18: 98-93 '65.

ay process for the synthesis of organic compounds from carbon monoxide and steam. Part 2: Synthesis on an alloyed iron catalyst. I. F. Bogdanov, N. V. Lavrov, V. G. Grebenshchikova. *Trudy IGI* 10: 91-100 '62.

## TER METABOLISM

Effect of dehydroascorbic acid on some indices of water-mineral metabolism in rats. M. M. Pokras'chen, O. M. Vavutula. *Ukr. biokhim. zhur.* 38 no. 6 638-641 '60.

## TER PIPES—COLD WEATHER CONDITIONS

aders' suggestions. *Stroi. i arkh. Len.* 25 no. 9 29-30 '63.

## TER RESOURCES DEVELOPMENT

g of water resources in the building of the economic and technical foundation of communism and some problems of studying them. G. P. Sinagin. *Izv. vys. ucheb. zav. geol. i razv.* 6 no. 1-3-10 Ja '63.

## TER RESOURCES DEVELOPMENT—FINANCE (see subdivision under: Armenia)

## TER SUPPLY

trikov, N. I. [Prospecting for fresh underground waters for the purposes of large-scale water supply] *Polski razvedka podzemnykh vod dlia tseloi krupno vodostanbzhennia* [Moskva] Izd-vo Mosk. univ., Pt. 1. [Hydrogeological principles] *Gidrogeologicheskie osnovy* 1965. 241 p.

## TER SUPPLY, RURAL

hanization of the purification of water for rural water supply. V. S. Ovodov, P. S. Miroshnichenko. *Gidr. mel.* 16 no. 12-23-29 D '65.

## WATER-SUPPLY ENGINEERING

Methodology for determining the minimum pressure for the pneumatic system of water supply. K. Z. Pivov. *Vod. khoz.* no. 1 165-171 '66.

## WATER VAPOR

Central of dispersity of fog formed during homogeneous vapor condensation. A. G. Anelina. *Koll. zhur.* 28 no. 6 787-791 N-D '65.

## WATER VAPOR—THERMODYNAMICS

New formulas for determining thermodynamic properties of water vapor contained in air. M. I. Kul'nei. *Izv. vys. ucheb. zav. stroi. i arkh.* no. 9 98-100 '65.

## WATERCOLORS

*Gosudarstvennaya Tretyakovskaya galeriya*. [Drawings, watercolors] *Risunki, akvareli*. Moskva, Sovetskii khudozhnik, 1966. 21 p. 146 illus.

## WATERFRONTS (see subdivision under: Leningrad)

## WATERFRONTS—SAFETY MEASURES (see subdivision under: Armenia)

## WATERPROOFING

Connection between the marginal angle, concentration of the solution imparting hydrophobic properties, and the degree of coating of glass with a hydrophobic film. O. O. Pashchenko, O. A. Lashka. *Dop. AN URSR* no. 7 914-916 '63.

## WATERWORKS INTAKES (see Intakes (Hydraulic engineering))

## WAVE FUNCTIONS

Nonorthogonality of wave functions in unified theory of a resonance nuclear reactions. I. V. Gordeev. *Izv. fiz.* 1 no. 5 950-961 N '66.

## WAVE GUIDES

Absorption of power by a magnetized ferrite spheroid in a rectangular wave guide. A. V. Kisliakovskii, V. S. Vukobratov. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 5 665-667 S-O '66.

Approximate calculation of the distributed parameters of a flat helical delay line. V. A. Losovskii. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 5 591-598 S-O '66.

Calculation and measurement of wave impedance and coupling impedance of wave guides with periodic structures. N. M. Chikina, V. T. Lammov. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 5 667-671 S-O '66.

Calculation of interaction coefficients and electron conductivity for cavities with two interaction gaps. I. U. Kataman, S. M. Movnin. *Radiofiz. i elektron.* 11 no. 12 2252-2251 D '66.

Contribution to the theory of the excitation of a gyrotronic plasma wave guide of a coaxial line. V. A. Buts, S. G. Kalmykova, V. I. Kulik. *Radiofiz. i elektron.* 11 no. 12 2059-2072 N '66.

Cooled 3 cm. band circulator. B. B. Krynetskii, G. P. Kuznetsov, A. V. Shirokov. *Radiofiz. i elektron.* 11 no. 12 2248 D '66.

Electrical parameters of a wave guide slot bridge. L. G. Dorfman, V. V. Filatov. *Radiofiz. i elektron.* 11 no. 11 1933-1943 N '66.

Electromagnetic wave emission by infinite packet of impedance half-planes. V. V. Mitenkov. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 6 1146-1150 '66.

Feature of using periodic structures in the capacity of millimeter-band transmission lines. L. I. Kuts, E. I. Kulikov. *Radiofiz. i elektron.* 11 no. 12 2071-2077 N '66.

Kinetic theory of a slit plasma wave guide in a strong magnetic field. A. N. Kondratov. *Izv. vys. ucheb. zav. radiofiz.* 9 no. 6 1065-1072 '66.

Mirror beamguides. V. F. Vlasov. *Radiofiz. i elektron.* 11 no. 12 2242-2214 D '66.

Simplified calculation of stopped transitions and directional couplers with random number of elements. L. G. Kirillov. *Radiofiz. i elektron.* 11 no. 12 2249-2250 D '66.

*Vainshteyn, L. A.* [Open resonators and open waveguides] *Otkrytye rezonatory i otkrytye volnovody*. Moskva, Sov. radio, 1966. 474 p.

## WAVES

(see also subdivision under: Caspian Sea)

Nonlinear effects in plasma. V. N. Tsytolev. *Usp. fiz. nauk* 90 no. 3 435-466 N '66.

Stability of waves in nonlinear dispersive media. V. E. Zakharov. *Zhur. eksp. i teoret. fiz.* 51 no. 4 1107-1114 O '66.

## WAXES

Brown coal wax as softener for rubber compounds. H. A. Blokh, M. A. Vaskivska. *Khim. prom. (Ukr.)* no. 3 31-34 Ji-S '62.

## WEATHER CONTROL

*Filimonov, L.* [Landing in a cloud] *Desant v oblake*. Leningrad, Gidrometeoizdat, 1966. 126 p. (Na suzhe, v more, v vozdukh)

Generation of ice crystals. P. G. Kuntsevskii, L. M. Rodov. *Trudy UkrNIGMI* no. 53: 110-116 '60.

Kinetics of formation of artificial precipitation and dissipation of supercooled stratus using solid carbon dioxide. M. V. Bukov, V. L. Sigal, V. K. Tarasuk. *Trudy UkrNIGMI* no. 53 3-91 '66.

Kinetics of formation of artificial precipitation from supercooled cumulus clouds using solid carbon dioxide. M. V. Bukov, A. M. Fridman. *Trudy UkrNIGMI* no. 53 95-109 '66.

Methodology and organization of controlling results of effect on hail processes in Expedition of High Mountain Institute. M. P. Zverev, M. A. Khadzinev. *Trudy VGI* no. 3 221-226 '66.

Methodology and physical bases of modification of convective clouds for purpose of prevention of damage by hail. G. K. Sulavskii, N. Sh. Bilibashvili, V. F. Lopcheva. *Trudy VGI* no. 3 214-220 '66.

Permissible errors in shooting at hail zones with "Tibius-2" nonfragmental shells from KS-19.

Artillery system. M. A. Gusev. *Trudy VGI* no. 3 227-230 '66.

Possible effectiveness of modification of low clouds (fog). V. S. Kozlov. *Trudy GGO* no. 186: 104-112 '66.

Results of Caucasian Expedition on Prevention of Damage by Hail, 1961. G. K. Sulavskii, and others. *Trudy VGI* no. 3 231-210 '66.

Some characteristics of precipitation in connection with clouds of various for mes during May-June in northern Kazakhstan. G. I. Ostrova. *Trudy GGO* no. 186 67-73 '66.

Sources of moisture of artificial precipitation by inducing clouds. M. P. Leonov. *Trudy UkrNIGMI* no. 53 117-124 '66.

Studying resources of artificial increase of precipitation from convection clouds in regions of insufficient humidity. A. P. Chmavac. *Trudy GGO* no. 186 49-62 '66.

## WEATHER FORECASTING

(see also subdivision under: Northern Hemisphere)

Conjugation of 11,500 fields over Northern Hemisphere and of temperature forecasting over Soviet Union. Kh. Kh. Rafailova. *Trudy TSIP* no. 154 34-40 '66.

Dynamics of long waves and long-range weather forecasting. B. R. Ur'eva. *Vestnik fiziol.* no. 12: 30-36 D '66.

Forecasting maximum quantity of rainfall in mountainous regions. N. S. Shishkin. *Trudy GGO* no. 186 38-43 '66.

Forecasting mean monthly temperature in lower half of troposphere and at earth's surface. M. V. Gritsanko, E. I. Isepanova. *Trudy TSIP* no. 154 16-22 '66.

Inertia of air temperature of U.S.S.R. in different periods of solar activity. L. G. Borisova, G. I. Turkentich. *Trudy TSIP* no. 154 23-33 '66.

Method of forecasting of hail and shower. N. I. Glushkova. *Trudy VGI* no. 3 129-139 '66.

Polytropic properties of atmosphere. A. P. Nagurnyi. *Trudy AANI* 277 99-107 '66.

Possibility of using hydrometeorological elements of the summer period in forecasting the frequency of the eastern circulation pattern in the fall. E. G. Kovalev. *Probl. Aikr.* no. 7 71-77 '69.

Recurrence of some types of microprocesses and possibilities of forecasting them. Z. L. Turketti. *Trudy TSIP* no. 154 101-115 '66.

Seasonal circulation and monthly weather forecasting. B. R. Ur'eva. *Trudy TSIP* no. 154 3-17 '66.

Solving problems of weather forecasting based on example of barotropic equation of vorticity spread. L. I. Bryleva, K. E. Chernia. *Trudy AANI* 277 93-98 '66.

Some problems in forecasting convective cloud cover by layer method. L. M. Lapteva, N. M. Mal'ukhova. *Trudy VGI* no. 3 151-153 '66.

Verification of method of forecasting of hail based on materials of Caucasian Expedition, 1961. V. A. Bolentsova and others. *Trudy VGI* no. 3 140-142 '66.

## WEATHER RESEARCH (see subdivision under: Laptev Sea)

## WEATHERING

(see also subdivision under: Cuba)

Some data on effect of secondary mineralization of elements in weathering surface of basic rocks. N. A. Lisitsyna, I. Yu. Luchchenko. *Lit. i pol. iskop.* no. 6: 117-122 N-D '68.

## WEAVING

Change of the tension of warp during its delivery from the beam of the automatic loom. B. D. Efremov. *Izv. vys. ucheb. zav. tekhn. tekst. prom.* no. 5 77-83 '66.

Manufacture of pleated fabrics. N. S. Korzinkin. *Tekst. prom.* 26 no. 12 32-34 D '66.

Uneven structure of the fabric due to the woft. G. V. Pokholova. *Izv. vys. ucheb. zav. tekhn. tekst. prom.* no. 5 84-89 '66.

## WEAVING—EQUIPMENT AND SUPPLIES (see subdivision under: Great Britain)

## WEED CONTROL (see subdivision under: Lithuania; Soviet Central Asia)

## WEEDS (see subdivision under: Volga-Akhuba Floodplain)

- WEIGHT LIFTING**  
Periodization of training for weight lifters. A. S. Medvedev, V. A. Cherniak. *Teori i praktika fiz. kult.* 20 no. 11-12-13 N '66.
- WEIGHT THROWING**  
Ten-tomety in light athletics. *Teori i praktika fiz. kult.* 20 no. 11-12-13 N '66.
- WEINERT, ERICH, 1890-1953**  
Develin, V. N. [Erich Weinert, a critical and biographical sketch] Erich Valert, 1890-biograficheski ocherk. Moskva, Khudozh. lit-ra, 1955. 149 p. (MII)
- WELDED ALUMINUM STRUCTURES**  
Tensile contraction of aluminum alloy sheet structures. V. I. Medoska, G. P. Kozulin, V. P. Moiseenko. *Avtom. svar.* 19 no. 12-22-25 N [i.e.D.] '66.
- WELDED JOINTS—TESTING**  
Cold and pressure welding with high speeds of upsetting. V. I. Shestakov. *Avtom. svar.* 19 no. 12-24-36 N [i.e.D.] '66.  
Effect of chemical composition of filler wires on the resistance of steel-aluminum weldments. V. R. Riabov, V. I. Umatoa. *Avtom. svar.* 19 no. 12-17-21 N [i.e.D.] '66.  
Properties of welded joints in heat-resistant stainless steel. M. M. Shitkinan. *Avtom. svar.* 19 no. 12-9-12 N [i.e.D.] '66.
- WELDING**  
Residual bending deformations arising during welding and hard facing of flat parts. L. N. Koptman. *Trudy LITV* no. 82 71-80 '65.  
**RUSSIA (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Standard specifications and estimates for construction, assembly, and repair operations] Edinye normy i rascheniia na stroitel'nye, montazhnye i remontno-stroitel'nye raboty. Moskva, Stroizdat.**  
Shornik 22. [Welding] Svoichnye raboty. 1966. 80 p.
- WELDING—CONGRESSES**  
First All-Union Conference on Economics and Organization of Welding Operations. *Mont. spets. rab. v stroi.* 28 no. 12-27-28 D '66.
- WELDING—EQUIPMENT AND SUPPLIES**  
New method of welding. E. Pormakov. *Stroi i arkhit.* 28 no. 4-4-5 Ap '65.
- WELDING—STATISTICS**  
Improving statistical accounting in welding. *Avtom. svar.* 19 no. 12-74 N [i.e.D.] '66.
- WELDING—TESTING**  
Calculated determination of deformations due to welding. R. S. Florov. *Prom. zdan.* no. 2 93-96 '61.
- WELDING METALLURGY**  
Calculating diffusion in a two-phase medium with a moving phase boundary. V. I. Makhenko. *Avtom. svar.* 19 no. 12-1-5 N [i.e.D.] '66.  
Effect of chemical composition of filler wires on the resistance of steel-aluminum weldments. V. R. Riabov, V. I. Umatoa. *Avtom. svar.* 19 no. 12-17-21 N [i.e.D.] '66.
- WELLS, HERBERT GEORGE, 1806-1946**  
dream and reality. G. Glezerman. *Mol. komm.* no. 4 3-10 Ap '61.
- WELLS**  
Calculating radial systems of horizontal holes. G. A. Razumov. *Trudy Lab. inzh. gidrogeol. VODGEO* no. 4 29-49 '62.  
Calculating rectilinear infinite series of wells. N. N. Veiglin. *Trudy Lab. inzh. gidrogeol. VODGEO* no. 4 23-28 '62.  
Concerning the use of the method of flow resistances in calculations of contour systems of wells. V. M. Shestakov. *Trudy Lab. inzh. gidrogeol. VODGEO* no. 4 24-28 '62.  
Problem of the flow of free ground water in a well with a weakly permeable confining layer. S. T. Rybakova. *PMTF* no. 3:113-116 My-Je '62.
- WERNER, ALFRED, 1866-1919**  
Content of the birth of Alfred Werner. *Zhur. neorg. khim.* II no. 11 2423-2428 N '66.  
Reminiscence of work in Professor A. Werner's laboratory. V. I. Afieva. *Tupitsyna. Zhur. neorg. khim.* II no. 11 2676-2678 N '66.  
A. Werner and present-day problems in coordination chemistry, for the 100th anniversary of his birth. A. M. Golub. *Ukr. khim. zhur.* 32 no. 12 1263-1269 '66.
- WEST GERMANY** see Germany, West
- WEST SIBERIAN ECONOMIC REGION—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES**  
Practice in studying the organizational and technical equipment of "workers' stations in enterprises. G. N. Kichigina. *Izv. SO AN SSSR* no. 9. Ser. obshchestv. nauk no. 3 53-57 '65.
- WEST SIBERIAN PLAIN—FLOOD FORECASTING**  
Recalculation of hydrograph of spring flood of swampy rivers in southern part of forest zone of West Siberian Lowland. D. A. Burakov. *Meteor. i gidrol.* no. 12:12-46 D '66.
- WEST SIBERIAN PLAIN—GAS, NATURAL—GEOLOGY**  
Possible relationship between structure of Pre-Jurassic formations and distribution of oil and gas fields in West Siberian Plain. V. F. Nikonov, N. V. Shablinskina. *Geol. i geofiz.* no. 9:134-137 '68.
- WEST SIBERIAN PLAIN—GEOLOGY, STRATIGRAPHIC**  
Stratigraphic division of Paleozoic marine sediments in the northern part of the West Siberian Plain. L. D. Mitoshnikov. *Izv. vys. ucheb. zav. geol. i razv.* 6 no. 6 133-137 Je '63.
- WEST SIBERIAN PLAIN—MOOSE**  
Changes in moose range in West Siberian Plain. K. I. Iudin. *Biot. i prom. losia* no. 2:17-27 '65.
- WEST SIBERIAN PLAIN—MOSQUITOES—EXTERMINATION**  
Field testing of the smoke from hexachloran pots against mosquitoes in the taiga zone of the West Siberian Plain. G. I. Gatta. *Sboi. nauch. iab. SibNII* no. 11 195-198 '62.
- WEST SIBERIAN PLAIN—ODONATA**  
Study of the Odonata of the West Siberian Plain. B. I. Belyshev. *Izv. Vost.-Sib. otd. Geog. ob-va SSSR* 60 50-50 '62.
- WEST SIBERIAN PLAIN—PETROLEUM GEOLOGY**  
Possible relationship between structure of Pre-Jurassic formations and distribution of oil and gas fields in West Siberian Plain. V. F. Nikonov, N. V. Shablinskina. *Geol. i geofiz.* no. 9:131-137 '66.  
Using distribution curves of reflecting horizons in interpreting data of seismic prospecting in platformlike regions, as exemplified by West Siberian Plain. R. V. Vainolin. *Neftgaz. geol. i geofiz.* no. 12 23-25 '66.
- WEST SIBERIAN PLAIN—PLACER DEPOSITS**  
Complex titanium-bearing placers in southwestern margin of West Siberian Plain. S. N. Kalluzhina, V. D. Belousov. *Mn. syr'te* no. 14:141-154 '66.
- WEST SIBERIAN PLAIN—SEISMIC PROSPECTING**  
Practice in using a high-frequency seismic prospecting (reflected-wave method) for studying wedging-out zones in the southern part of the West Siberian Plain. B. A. Kanareikin. *Geol. i geofiz.* no. 9:93-101 '63.  
Using distribution curves of reflecting horizons in interpreting data of seismic prospecting in platformlike regions, as exemplified by West Siberian Plain. R. V. Vainolin. *Neftgaz. geol. i geofiz.* no. 12 23-25 '66.
- WEST SIBERIAN PLAIN—TITANIUM**  
Complex titanium-bearing placers in southwestern margin of West Siberian Plain. S. N. Kalluzhina, V. D. Belousov. *Mn. syr'te* no. 14:141-151 '66.
- WEST SIBERIAN PLAIN—WATER, UNDERGROUND**  
Studying by geothermograms hydrogeological cross section in West Siberian Plain. G. A. Chernomskii. *Sov. geol.* 9 no. 12 71-80 D '66.
- WESTERN EUROPE** see Europe, Western
- WESTERN SIBERIA** see Siberia, Western
- WESTPHALIA, PEACE OF, 1648**  
The Westphalian Peace Congress in 1643-1648 and the Crech question (conclusion). B. Sindelar. *Sred. voka* no. 29 159-172 '66.
- WETTING**  
Measure of wettability of powders by water. A. M. Danilushina, N. N. Tslurupa. *Trudy MKHTI* no. 11-34-37 '63.
- WHALE OIL**  
For the improvement of the quality of products obtained from whale oil. T. M. Novikova, S. D. Kopylenko, T. I. Gladkova. *Mast-zhir. prom.* 28 no. 6:40-41 Je '62.
- WHALERS**  
Refrigerating systems of the whaling factory ships "Sovetskaya Ukraina" and "Sovetskaya Rossiya". V. A. Tolmachev, V. I. Gurvich. *Sudostroenie* 28 no. 12:16-19 D '62.
- WHEAT**  
(see also subdivision under Alma-Ata Province, Azerbaijan; Caucasus, Northern, Kuban)  
Cytology of the development of stomata in wheat. L. P. Chel'tsova. *Trudy Inst. gen.* no. 28 123-127 '63.  
Effect of chronic gamma irradiation on wheat and barley plants in the year of irradiation. N. N. Kozhushko. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2 310-317 '61.  
Effect of succinic acid on phosphorus metabolism in germinating kernels of spring wheat. G. A. Kirillova. *Biul. Glav. bot. sada* no. 63 86-89 '66.  
Iron distribution in the course of germination of seeds and growth of wheat sprouts. P. A. Kolesnikov, A. A. Mutuskin. *Biokhimiia* 28 no. 2:216-223 Mr-Apr '63.
- WHEAT—DISEASE AND PEST RESISTANCE**  
Susceptibility of winter wheat to fusarium infection. A. F. Shutyagin. *Sel'khoz. biol.* 1 no. 6:851-851 '66.
- WHEAT—DISEASES AND PESTS**  
(see also subdivision under Ukraine)  
Dwarfing of winter wheat. T. I. Zakharova. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:298-300 '61.  
How we have protected winter wheat. I. Medvedevskii, I. Fedko. *Zashch. rast.* II no. 12 27 '66.
- WHEAT—DROUGHT RESISTANCE**  
Studying the drought resistance of a collection of wheat varieties. I. I. Belikov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2 26-31 '61.
- WHEAT—FERTILIZERS AND MANURES**  
(see also subdivision under Rostov Province; Tataria District)  
Effect of mixed organic-mineral fertilizers on the growth and development of winter wheat. G. G. Semenov. *Trudy Inst. gen.* no. 26 100-103 '63.  
Use of mineral fertilizers for spring wheat in conditions of a dry summer. V. N. Meshchinnikov. *Khim. v sel'khoz.* 4 no. 12 61 D '66.
- WHEAT—GENETIC RESEARCH**  
Chromosome number variation in progeny of 76-chromosome amphiploid. M. P. Sazonov, I. U. K. Khokhlovskii. *Dokl. AN SSSR* 10 no. 10,800-802 (C) '66.
- WHEAT—GRADING**  
Evaluating a collection of soft spring wheats according to the quality of gluten (by the method of Belitskii). B. M. Chel'mov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2 76-81 '61.  
Principles and methods of determining the quality of wheat in breeding. B. M. Chel'mov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:100-97 '61.
- WHEAT—IRRIGATION**  
Field evaluation of Indian wheat varieties in irrigation and dry farming. G. B. Gogun. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2 30-47 '61.
- WHEAT—VARIETIES**  
(see also subdivision under Azerbaijan; Dagestan; India; Kuybyshev Province)  
Characteristics of the amphiploid *Triticum timopheevi* Zhuk. X. Tr. durum loaf, and H. *aristatum* L. X. T. *timopheevi* Zhuk. I. V. Tsvetkov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2 50-66 '61.  
Early wheat varieties of various ecological groups. M. P. Aladova. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:17-26 '61.  
Effect of the conditions of growing on the length of the vegetative period of soft wheat varieties. B. A. Jidachin. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2 56 76 '61.  
Evaluating a collection of soft spring wheats according to the quality of gluten (by the method of Belitskii). B. M. Chel'mov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:76-81 '61.  
New varieties of strong wheat. *Inform. biul. VNIIE* no. 8:23 Ag '62.
- WHEAT BREEDING**  
Inheritance of quantitative and qualitative characteristics in wheat hybrids. M. M. Venediktov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:34-39 '61.  
Principles and methods of determining the quality of wheat in breeding. B. M. Chel'mov. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:80-87 '61.  
Sexual and vegetative hybrids of the genus *Triticum*. I. L. Peltalkh. *Sboi. nauch. iab. nauch. sotr. VIR* no. 2:18-59 '61.
- WHEAT-RYE HYBRIDS**  
Cytogenetics of remote hybrids. Report No. 1:1 mbiyogenesis in the crossing of durum wheat and rye. V. I. Bannikova. *Ukr. bot. zhur.* 20 no. 1:3-13 '61.
- WHITE RUSSIA—ANOPLURA**  
Study of order Anoplura in some mammals of White Russia. I. T. Arzamasov, M. N. Trukhan. *Dokl. AN BSSR* 10 no. 10:811-814 Q '66.
- WHITE RUSSIA—ASH (TREE)**  
Ecologic and phytocologic classification of ash forests of the White Russian S.S.R. I. D. Urkevich. *Dokl. AN BSSR* 6 no. 9:583-585 S '62.



- WINDOWS**  
Filling the window openings in large panels P. Reznick, no. 8 St. of Arkh. 11 no. 8 26 Ag '63  
New types of window units V. Draganov, I. Stankov, St. of Arkh. 11 no. 8 22-26 Ag '63  
Window casements in construction of industrial buildings E. A. Stolarov, St. of Arkh. Urb. 6 no. 1 6-7 Ap '65
- WINDS**  
(see also subdivision under Caspian Sea region; Kuybyshev Reservoir, Pacific Ocean; Rybinsk Reservoir region)  
Drift of small-scale inhomogeneities in Minnyy (Antarctic region) A. A. Kashin and others, Geomag. i aer. 6 no. 6 1120-1122 N-D '66  
Vertical drift of small-scale inhomogeneities of ionosphere ionization, V. I. Dubchuk, Geomag. i aer. 6 no. 6 1122-1124 N-D '66
- WINE**  
Effect of mineral fertilizers on the yield of grapes and quality of wine, N. N. Petrov, A. N. Iatsyna, Agroklimat. no. 12 43-47 D '66
- WINE AND WINE MAKING**  
(see also subdivision under France, Ukraine)  
Kataeva, A. A., and L. N. Mendel'son, [Purified enzymatic preparations of pectinase in wine production] Ochi-shecheniye fermentnyye preparaty pektinazy v vinodel'-cheskoi proizvodstve, Moskva, TsINyIPishcheprom, 1965, 31 p.  
(MICROFILM)
- WINTER** see subdivision under Azerbaijan
- WIRE ROPE**  
Free loading of a stretched wire rope, L. I. Zhukov, Izv. vys. ucheb. zav. gor. zhur. 6 no. 5 107-118 '63.
- WIREDRAWING**  
New developments in research, V. V. Chukin and others, Stal' 26 no. 12 1152 D '66.
- WIREDRAWING—SPEED**  
Conditions for steady drawing of steel wire at high speeds M. S. Paschuk, R. B. Krasiborskiy, F. A. Chelintseva, Stal' 26 no. 12 1145-1147 D '66
- WITCH HAZEL** see subdivision under Moscow
- WITGENSTEIN, LUDWIG, 1880-1951**  
Two stages in the development of Ludwig Wittgenstein's subjective idealism, V. V. Michusikov, Vest. Mosk. un. Ser. B, Filoz., 21 no. 3, 73-83 My-Je '66.
- WOLLASTONITE** see subdivision under Uzbekistan
- WOMEN—EMPLOYMENT** see subdivision under Krasnoyarsk Territory
- WOMEN AS SURGEONS**  
You were expected to come, Antonina S. Glentna, Mol. komm. no. 3 59-60 Mi '61.
- WOMEN IN AERONAUTICS**  
The sky calls us too, M. Chechneva and others, Kiy. rod 17 no. 9 113 S '66
- WOMEN POETS** see Poets, Women
- WOOD—CHEMISTRY**  
Conference on the exchange of experience in the wood chemistry industry, B. L. Smol'skov, Gidroliz i lesokhim. prom. 15 no. 4 29-30 '66.  
Decomposition of spruce wood with a dichloroethane solution of hydrogen chloride, V. P. Kovalev, Sbor. trud. UkrNIIB no. 7 72-83 '66.  
Improving the production of colophony by the extraction process, A. A. Kiselev, E. B. Bogdanov, Gidroliz i lesokhim. prom. 15 no. 4 23-25 '62.  
Operation of a furnace-generator, V. G. Gerasimov, V. P. Belov, Gidroliz i lesokhim. prom. 15 no. 8 27-28 '66.  
Use of wood wastes for the production of power and chemicals, S. I. Golovnov, M. S. Zaretskii, V. I. Kor-takin, Gidroliz i lesokhim. prom. 15 no. 4 3-4 '62
- WOOD—DEFECTS**  
Yorifensk, D. G., [Ways for the automation of determining wood defects by examining them with gamma and X rays] Puti avtomatizatsii opredeleniya porokov droviny metodom prosvetlenniya gamma i rentgen-luchami, Kirov [Volgo-Viat'skoe knizhnoe izd-vo] 1965, 81 p.  
(MICROFILM)
- WOOD—DRYING**  
Drying ground wood in a pulsating air flow, A. Z. Leikin, Der. prom. 15 no. 12 6-7 D '66.
- WOOD—TESTING**  
Russia (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov, [Wood: methods of testing] Drovosina; metody ispytaniy, GOST 11493-65--GOST 11499-65, Izd. ofitsial'noe, Moskva, [Izd-vo Standartov] 1966, 187 p. (SSSR, Gosudarstvennyye standarty)
- WOOD—TOXICOLOGY**  
Poisonous woods, A. V. Iatsenko-Khmelevskii, N. A. Baldashin, Rast. res. 2 no. 1 562-576 '66
- WOOD, COMPRESSED**  
Compression diagrams for particle boards, D. V. Sheb-der, Der. prom. 15 no. 12 11-12 D '66.  
Compressed wood used in the units of construction machines and industrial equipment, I. P. Nazarenko, Stal' i dor. mash. 8 no. 3 15-17 Ag '63
- WOOD DISTILLATION**  
Calculating the concentrations in the distillation of ternary and binary azeotropic mixtures, V. N. Kozlov, Gidroliz i lesokhim. prom. 15 no. 1 13-15 '62  
Production of phenols during the pyrolysis of the wood of Siberian larch, F. D. Lyun, N. A. Chupriva, Gidroliz i lesokhim. prom. 15 no. 8 11-15 '66
- WOOD FINISHING**  
Rastvorosteklovinit, a finishing glass reinforced plastic material, M. V. Gordienko, Bum. i der. prom. no. 3 36-38 31-S '62.  
Medvedev, M. E., V. F. Pavlov, and T. V. Kolokolova, [Finishing furniture parts with polyester varnishes and enamels] Odelka detalей мебели poliestirnyimi lakami i emaliami, Moskva, TSsni. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-lumazhnoi, derevobrabatyval'shchei, i moyshl. i lesnomu khoz., 1965, 39 p. (Derevobrabatovaniye) [MICROFILM]
- WOOD FINISHING—EQUIPMENT AND SUPPLIES**  
Centerless polishing machine, V. I. Sulinov, Der. prom. 15 no. 12 22 D '66.
- WOOD-USING INDUSTRIES**  
Improve the organization of scientific research work in the woodworking industry, Der. prom. 15 no. 12 1-2 D '66.
- WOOD-USING INDUSTRIES—ACCOUNTING**  
Improve the accounting for raw materials in the hydrolysis industry, I. I. Korol'kov, A. I. Kozlov, Gidroliz i lesokhim. prom. 15 no. 1 26-27 '62
- WOOD-USING INDUSTRIES—BY-PRODUCTS**  
Increase the contribution of the hydrolysis industry to the development of production in agriculture, Gidroliz i lesokhim. prom. 15 no. 4 1-2 '62
- WOOD-USING INDUSTRIES—COSTS** see subdivision under Krasnoyarsk Economic Region
- WOOD-USING INDUSTRIES—EQUIPMENT AND SUPPLIES** see subdivision under Great Britain; Stry region (Ukraine)
- WOOD WASTE**  
Use of wood wastes for the production of power and chemicals, S. I. Golovnov, M. S. Zaretskii, V. I. Kor-takin, Gidroliz i lesokhim. prom. 15 no. 1 3-4 '62.  
Woodwork waste is a valuable raw material, A. I. Zhuravko, Prom. Bel. 9 no. 12 45-46 D '66
- WOODPULP**  
Cleaning of rot firewood reduced to pulp, B. Iu. Vorobeychik, O. I. Ponomarev, Trudy VNIIB no. 51, 224-232 '65.  
Method for the regulation of the reaction time in the process of multiple-stage bleaching of woodpulp, R. I. Sosnovskii, L. E. Gusevich, Trudy VNIIB no. 51, 146-155 '65.  
Methods for determining the cooking degree of pulp, V. P. Kovalev, O. N. Iurchenko, Bum. i der. prom. no. 3 39-23 31-S '62  
Stepped bleaching of woodpulp with the use of chlorine dioxide and peroxides, F. P. Komarov, Bum. i der. prom. no. 3 5 Ap '62  
Sulfite method for the manufacture of chemical woodpulp, A. S. Kovsol, Bum. i der. prom. 31 no. 4 5-9 Ap '62  
Use of scintillation radiometry for the study of the adsorption of electrolytes on cellulosic materials, T. E. Khripunova, V. I. Iul'ev, Trudy VNIIB no. 51, 95-98 '65.  
Use of scintillation radiometry for the study of the adsorption of electrolytes on cellulosic materials, Z. Iu. Cherskii, T. E. Khripunova, D. G. Fleishman, Trudy VNIIB no. 51, 70-84 '65.
- WOODPULP—PIEZOELECTRIC PROPERTIES**  
Recent data on symmetry of piezoelectric properties of wood pulp, V. A. Bazhenov, A. V. Kytmanov, Kristallografiya 11 no. 6 927-928 N-D '68.
- WOODPULP—SPECTRA**  
Study of woodpulp structure by infrared spectroscopy, M. D. Instafrov and others, Trudy VNIIB no. 51, 100-104 '65.
- WOODPULP INDUSTRY**  
(see also subdivision under Kherson Province; Kotlas Archangel Province)  
Fundamental regularities of the process of biological oxidation of the sewage of the woodpulp industry in air tanks, M. A. Evilevich, Trudy VNIIB no. 51, 43-62 '65.
- Method for the regulation of the process of alkaline treatment of woodpulp, V. G. Luchak, R. I. Sosnovskii, Trudy VNIIB no. 51 156-159 '65  
Micro-organisms of activated sludge purifying the sewage of the woodpulp industry, M. A. Lomova, Trudy VNIIB no. 51 63-75 '65.  
On the road for the speeding-up of technological progress, B. P. Kravov, Bum. i der. prom. 37 no. 4 20-31 Ap '62  
Programmed control of the process of heating paper stock in hollanders, N. M. Ilyushkevich, Bum. i der. prom. no. 3 10-14 31-S '62.  
Smolant'skii, D. Z., [Manual for the operators of dyers in sulfate pulp production] Posobie varshchikh sulfatselfizhiznogo proizvodstva, Moskva, Lesnaya promyshl., 1966, 223 p.
- WOODPULP INDUSTRY—BY-PRODUCTS**  
Increasing the recovery yield of selenium, A. G. Minin, L. P. Unglund, Bum. i der. prom. 37 no. 4 19 Ap '62
- WOODPULP INDUSTRY—COSTS**  
Economics of the production of hemicellulose, I. P. Rakuts, V. S. Sominskii, Bum. i der. prom. 37 no. 4 27 29 Ap '62
- WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES**  
Regeneration of SO<sub>2</sub> and heat in alkali lignin with steam, S. K. Pakhomovich, Bum. i der. prom. 37 no. 1 21-23 Ap '62
- WOODPULP INDUSTRY—MATHEMATICAL MODELS**  
Mathematical description of the grinding process by various types of grinders, P. P. Dobrovolskii, Trudy VNIIB no. 51 176-201 '65  
Mathematical description of the production of cooking liquor with soluble alkalis in packed towers, V. I. Potov, V. M. Elashberg, Trudy VNIIB no. 51 123 131 '65  
Mathematical models of the production of cooking liquor with the use of mixed alkalis in packed towers, V. M. Elashberg, V. P. Potov, Trudy VNIIB no. 51 141-145 '65.
- WOODWORK**  
Cutting profile surfaces, A. P. Shapovalov, Bum. i der. prom. no. 3 29-31 31-S '62
- WOODWORKING INDUSTRIES**  
(see also subdivision under Ukraine)  
Factors affecting the economic effectiveness of the distribution of the enterprises of the sawmilling and woodworking industries, V. V. Glotov, Der. prom. 15 no. 12 13-15 D '66.
- WOODWORKING INDUSTRIES—ACCOUNTING**  
Glotov, V. V., [Accounting for related production and interchangeability in calculating the economic efficiency of manufacturing lumbering industry products] Uchet smezhnykh proizvodstv i vzaimozamenimosti pri raschete ekonomicheskoi effektivnosti izgotovleniya produktsii lesnoi promyshlennosti, Moskva, TSsni. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselulozno-lumazhnoi, derevobrabatyval'shchei, i moyshl. i lesnomu khoz., 1965, 47 p. (Lesoskhuatitsiya) [MICROFILM]
- Samkmo, G. M., [Economic analysis of the production and managerial operations of woodworking industry enterprises] Ekonomicheskiy analiz proizvodstvenno-khoz. i upravleniyei detalей i der. evobratyval'shchikh predpriyatii, Moskva, Lesnaya promyshlennost', 1966, 330 p.
- WOODWORKING MACHINERY**  
(see also subdivision under Dnepropetrovsk)  
Automatic line with programmed control of the adjustment of the "UkrNIMOD-3" machines, G. N. Kosarevskii, I. I. Efimenko, M. P. Sulezhevskii, Bum. i der. prom. no. 3 3-7 31-S '62.  
Automatic multipurpose ASheik milling machine, I. B. Vol'der, Leh. prom. no. 2 19-20 Ap-Je '62.  
Modernizing a bending press, L. I. Diakon, Bum. i der. prom. no. 3 48 31-S '62.
- WOODWORKING MACHINERY—NOISE**  
Diminishing the noise of milling machines, V. P. Mazar, O. K. Kovtun, Der. prom. 15 no. 12 9-19 D '66.
- WOODY PLANTS—FROST RESISTANCE** see subdivision under Tbilisi; White Russia
- WOOL—TESTING**  
Automatic OSH hydraulic apparatus, O. O. Shesternoi, M. A. Bluzhyan, Leh. prom. no. 2 3-5 Ap-Je '62.
- WOOLEN AND WORSTED MANUFACTURE**  
External mass transfer during air convective drying of woolen-spun woolen fabrics on a perforated surface, V. G. Kolotilov, V. M. Korolev, L. L. Dobroslov, Izv. vys. ucheb. zav. i tekhn. tekst. prom. no. 5 124-129 '66.  
Use of rabbit hair in the manufacture of head scarfs, I. B. Fienkel, Leh. prom. no. 2 28-30 Ap-Je '62





## X-RAY DIFFRACTION EXAMINATION

- Abstracts of papers on X-ray diffraction methods. A. M. Chibrikov, Z. G. Pina, V. F. Mustov. Radiobiologiya 6 no. 5:606-610 '66.
- Formation of structural defects in CdS single crystals by X-ray diffraction method. L. I. Datsenko, M. I. Samoilov. Radiobiologiya 6 no. 5:731-733 '66.
- Method of quantitative X-ray analysis of chalcopyrite in copper-nickel ores. A. A. Budko, Obshch. 11 no. 3:36-41 '66.
- Studying plastic deformation of bismuth single crystals under compression. V. I. Finkel', I. I. Papkov, G. I. Tikhonchik. Izv. vuzov 8 no. 7:2092-2097 '66.
- Use of X-ray diffractometry in constructing kinetic curves of crystallization, as exemplified by selenium and their analysis. K. P. Mammadov, Z. D. Jureva. Radiobiologiya 6 no. 5:727-730 '66.

## X-RAY SPECTROSCOPY

- Distribution and density of dislocations in bent and annealed gallium arsenide and indium antimonide crystals. E. A. Mal'kov, R. L. Petushevich, E. S. Solov'yev. Kristallografiya 11 no. 6:906-909 '66.
- Radiospectroscopic study of the molecule  $\text{F}_2\text{H}_2\text{C}-\text{CDH}_2$ . I. A. Jukhtanov. Dokl. AN Uzb. SSR 18 no. 4:7-9 '62.
- Studying  $\text{Si}$  and  $\text{SiO}_2$  energy structure by emission and absorption spectra in region of ultraviolet radiation. O. A. Fashov, A. P. Lukatskiy. Fiz. tver. tela 8 no. 7:2137-2142 '66.

## X RAYS

- Effect of piezoelectric oscillations of crystal lattice on intensity of passing X-ray beam. Part I. P. A. Bezli-ganin. V. I. Avundzhian. Izv. AN Arm. SSR. Fiz. 1 no. 3:147-155 '66.

## X RAYS—EFFECT ON PLANTS see Plants, Effect of X-rays on

## X RAYS—EQUIPMENT AND SUPPLIES

- Hygienic requirements for the arrangement and use of X-ray rooms and apparatus in public health agencies. P. I. Moiseyev. Med. rad. 7 no. 8:78-82 '62.

## X RAYS—DIFFRACTION

- Dependence of X-ray diffraction pattern of fibrous materials on incident direction of primary beam. P. A. Puzuganov. Izv. AN Arm. SSR. Fiz. 1 no. 3:113-116 '66.
- X-ray diffraction in elongated three-dimensional structures (fibrous substances). P. A. Puzuganov. Izv. AN Arm. SSR. Fiz. 1 no. 4:237-247 '66.

## X RAYS—INDUSTRIAL APPLICATIONS

- Veichenko, D. G. [Ways for the automation of determining wood defects by examining them with gamma and X rays]. Puti avtomatizatsii opredeleniya porokov drevesiny metodom prosvetivaniya gamma i rentgenluchami. Khov [Volgo-Vinskoe knizhnoe izd-vo] 1965. 81 p.

[MICROFILM]

## X RAYS—PHYSIOLOGICAL EFFECT

- Blepharitis and blepharitis-3 in experimental staphylococcal in irradiated rabbits. N. L. Solodov. Antibiotiki 11 no. 10:101-103 '66.
- Change in the reaction of irradiated animals to the injection of nicotine. G. N. Molygina. Vop. radiobiol. 4:392-399 '61.
- Changes in sulfhydryl group content in extrinsic tissues of rodents following inhibition of their regenerative capacity by X-ray irradiation and its restoration. N. A. Topilina, S. P. Kuhina. Dokl. AN SSSR 171 no. 5:1209-1212 '66.
- Combined effect of X and light rays on the retina. B. P. Kalashnikov. Vop. radiobiol. 4:76-85 '61.
- Content of free amino acids adjacent to trihydroxy acid cycle in brain following X-ray irradiation. A. T. Pikuiev, I. I. Dvoglevich. Dokl. AN BSSR 10 no. 10:789-791 '66.
- Development of radiation injury in the mucous membrane of the small intestine of mice and its regeneration under conditions of starvation. N. F. Gronskaya. Vop. radiobiol. 4:208-221 '61.
- Disturbance of lymphopoiesis in a denervated spleen following total-body irradiation. S. N. Aleksandrov, E. A. Protudina, Z. B. Tokarskaya. Vop. radiobiol. 4:59-67 '61.
- Effect of adrenaline and dibenamine on the blood pressure in animals irradiated with X rays. A. V. Lazovskaya. Vop. radiobiol. 4:86-92 '61.
- Effect of anoxia during and after irradiation on radiation damage of lymphocytes. L. B. Smunova. Radiobiologiya 6 no. 6:826-832 '66.
- Effect of cystamine on changes in white blood of dogs following sublethal X-ray irradiation. O. K. Meshalova, A. S. Mozzhukhin, V. I. Borish. Radiobiologiya 6 no. 6:883-885 '66.
- Effect of 8-azaguanine on nucleic acid content in organs of irradiated rats. V. I. Svatchov. Ukr. biokhim. zhur. 33 no. 6:599-601 '66.
- Effect of ionizing radiation on animal sensitivity to lethal blood loss. V. F. Cherkasov. Vop. radiobiol. 4:163-171 '61.

Effect of ionizing radiation on bacterial metabolism. I. A. L. Shchikman. A. A. Zimin. Radiobiologiya 6 no. 5:606-610 '66.

Effect of ionizing radiation on properties of monomolecular crystalline protein layers and characteristics of gelatinization of its solutions. A. R. Paganova, K. Sh. Nadarashvili, M. M. Zakhishvili. Radiobiologiya 6 no. 6:760-775 '66.

Effect of ionizing radiation on the peripheral nervous system. A. V. Lazovskaya. Vop. radiobiol. 4:68-75 '61.

Effect of oxidation and phosphorylation processes disturbance on sensitivity of irradiated animals to microbial toxins. P. N. Isleyev, V. N. Sivitskaya. Radiobiologiya 6 no. 5:763-765 '66.

Effect of radiation on the development of the mammary glands in pregnant animals. G. S. Strulin, I. V. Stiffel. Vop. radiobiol. 4:199-207 '61.

Effect of the total-body fractional X-ray irradiation on the processes of absorption of radioactive phosphorus by the hard tooth tissues of white rats. I. U. A. Fedorov. Vop. radiobiol. 4:189-198 '61.

Effect of total-body X-ray irradiation on the respiration of the gastrocnemius in frogs. Z. I. Shitova. Vop. radiobiol. 4:142-139 '61.

Effect of whole-body X-ray irradiation on heme biosynthesis in vitro by hemolysates of chick erythrocytes. T. V. Kozueva. Radiobiologiya 6 no. 6:817-818 '66.

Effect of whole-body X-ray irradiation on uridinephosphogluconic system of glycolysis in marrow cells. V. N. Filippova, L. I. Soldatenkova. Radiobiologiya 6 no. 6:804-806 '66.

Effect of X-ray irradiation on biosynthesis processes and decay of phosphoric esters of vitamin B<sub>1</sub>. L. V. Savitskiy, N. F. Leus. Radiobiologiya 6 no. 6:807-811 '66.

Effect of X-ray irradiation on high nervous activity in dogs treated with various vitamins. B. I. Shal'nev. Radiobiologiya 6 no. 6:760-763 '66.

Effect of X-rays on sensitivity of *Paramecium caudatum* to metabolic inhibitors. N. E. Kovalova. Tsitologia 6 no. 5:629-636 '66.

Excretion and biosynthesis of pseudouridine and thymidine following irradiation. A. S. Kosenko, N. A. Fedorov. Radiobiologiya 6 no. 5:682-686 '66.

Importance of the hypophysis in the reaction of the neutralization of cholesterol synthesis in response to irradiation. K. A. Tietlakova. Biokhimiya 27 no. 5:801-801 '62.

Intermolecular reactions in thermal inactivation of irradiated tyrosin solutions. V. N. Luzikov, T. V. Tishkina. Radiobiologiya 6 no. 5:611-615 '66.

Mechanism of the disturbance of oxidative phosphorylation processes in experimental irradiation. L. V. Mytina. Vop. radiobiol. 4:172-178 '61.

Metabolism of iron-containing substances in animal organs following total-body X-ray irradiation. S. G. Manulov, Shen' Wan-mei [Shen Wan-mei], E. I. Shcherban'. Vop. radiobiol. 4:181-188 '61.

Rate of propagation of ultrasonic oscillations in the blood. I. R. Izvedyukov. Dop. AN URSR 7:927-929 '63.

Reaction of irradiated animals to the intravenous injection of some pharmacological substances. O. A. Brukhina. Vop. radiobiol. 4:93-98 '61.

Reaction of neuromuscular synapses of irradiated animals to the injection of dipiclin. G. N. Bilygin. Vop. radiobiol. 4:352-357 '61.

Results of a prolonged observation on dogs exposed to an intensive local fractional X-ray irradiation. A. I. Strashinin. Vop. radiobiol. 4:322-331 '61.

Role of local and indirect action of total X-ray irradiation on the injury of ovaries in mice. O. N. Petrova. Trudy Inst. gen. no. 26:180-188 '62.

Seasonal changes in proteolytic activity of liver (pH 7.4) and penetrating radiation effect on this index. I. U. P. Druzhinin. Radiobiologiya 6 no. 6:817-820 '66.

Significance of integral absorbed dose on seriousness of radiation damage of the organism. V. V. Khotin. Radiobiologiya 6 no. 6:833-836 '66.

Some pharmacological effects of novocaine in irradiated animals. A. V. Lazovskaya. Vop. radiobiol. 4:358-364 '61.

Thymus gland in animals of different age following X-ray irradiation in relatively small doses. V. V. Khotin. Vop. radiobiol. 4:19-24 '61.

Vasopressor activity and histochemical characteristics of posterior lobe of hypophysis in normal and irradiated rats. E. R. Bagramian, S. I. Babadzhanova. Radiobiologiya 6 no. 5:758-759 '66.

## X RAYS—SCATTERING

- Effect of piezoelectric oscillations on intensity of X-ray scattering in second approximation. P. A. Bezli-ganin, V. I. Avundzhian. Izv. AN Arm. SSR. Fiz. 1 no. 4:227-236 '66.

## X RAYS—THERAPEUTIC USE

- Chaot therapy during vulvectomy to prevent metastasis. G. A. Obratsova. Klin. onk. no. 1:52-55 '65.
- Indirect roentgenotherapy of planar warts. A. L. Geller, Z. S. Krimman. Vest. derm. i von. no. 12:66-68 '62.

Methodology and technique of Chaot therapy in the tumor poud treatment of "naked" tumors of the salivary glands. M. A. Moskalenko. Klin. onk. no. 1:50-51 '65.

X-ray therapy of primary sarcoma in the small intestine. L. M. Savinykh. Med. rad. 7 no. 8:17-18 '66.

## XANTHINE OXIDASE

- Xanthine oxidase in blood of new-born infants and in venous and retroperitoneal blood of mother. I. K. Gurskaya. Dokl. AN BSSR 10 no. 9:101-103 '66.

## XENOLITHS see subdivision under Azerbaijan

## XEROGRAPHY

- Second Scientific Conference on Electrophotography (A. B. Dravin), Zhur. nauch. i prikl. fiz. i khim. 7 no. 2:157-160 '66.
- Selenium-tellurium electrophotographic layers. S. A. Gromshin, I. U. A. Cherkasov. Zhur. nauch. i prikl. fiz. i khim. 7 no. 2:121-127 '66.

## XEROGRAPHY—EQUIPMENT AND SUPPLIES

- Determining the sensitivity of electrophotographic layers. I. Z. Plavina. Zhur. nauch. i prikl. fiz. i khim. 7 no. 2:115-116 '66.

## XYLENOL

- Condensation products of camphene with 2, 7, 7, 4- and 3, 5-xyleneols. G. I. Moldovanskaya, L. A. Kholits, G. P. Pina. Trudy VNIISNDV no. 7:46-51 '65.
- Synthesis of new odorous substances from condensation products of camphene with xyleneols. G. I. Moldovanskaya, L. A. Kholits, G. P. Pina. Trudy VNIISNDV no. 7:51-51 '65.

## YACHTS AND YACHTING

- Measurement of modern cruising and racing yachts. D. A. Kimbatov. Sudostroyeniye 23 no. 12:140-141 '62.

## YAKUTIA—CALCITE

- Epigenetic calcite in Sakukansk rocks in Olekma-Vilui mountains country. L. V. Travin. Izv. vuzov, no. 6:131-131 '66.

## YAKUTIA—DIAMONDS

- Geological interpretation of a VT regional magnetic field in the diamond-bearing regions of western Yakutia. A. I. Loschekov. Geol. i geofiz. no. 11:122-127 '63.

## YAKUTIA—DRAINAGE

- Methods for the melioration of farm lands in areas of permafrost. A. A. Bogushchik, G. I. I. me. Izv. vuzov, no. 14:23 '66.

## YAKUTIA—GAS WELL LOGGING, RADIATION

- Using neutron gamma-ray method for detecting gas reservoirs in fields of Yakutia. V. I. Buzalov, H. M. Zhukhova, V. V. Zubelin. Neftgaz. geol. i geofiz. no. 12:19-22 '66.

## YAKUTIA—MAGNETISM, TERRESTRIAL

- Geological interpretation of a VT regional magnetic field in the diamond-bearing regions of western Yakutia. A. I. Loschekov. Geol. i geofiz. no. 11:122-127 '63.

## YAKUTIA—REINDEER—DISEASES AND PESTS

- Diagnosis of Johne's disease in reindeer. V. A. Polikarov. Veterinarnykh 43 no. 11:29-19 '66.

## YAKUTSK UNIVERSITY—ENTRANCE REQUIREMENTS

- Afanasyev, V. F., and I. M. Briukhanov. [Yakutsk State University; handbook for admission] Yakutsk gosudarstvennyi universitet, spravochnik dlya postupayushchikh. Yakutsk, Yakutskoe knizhnoe izd-vo, 1965. 59 p. [MICROFILM]

## YALTA—CAB AND OMNIBUS SERVICE—FINANCE

- Credit relations of the State Bank with automotive transportation units. Z. Vukitskiy. Den. i kred. 21 no. 12:55-58 '66.

## YAMAL-NENETS NATIONAL AREA—WHITEFISHES

- Materials on morphology of *Coregonus nasus* (Pallas) in lakes of central Yamal. A. S. Iakovleva. Trudy Inst. biol. UFAN SSSR no. 40:47-53 '66.

## YAMAL PENINSULA—ARCTIC FOXES AS CARRIERS OF DISEASES

- Epizootology and epidemiology of alveolar echinococcosis in the Yamal Peninsula. A. D. Lazhkov. Med. paraz. i paraz. hol. 32 no. 2:180-183 '63.

## YAMAL PENINSULA—LUNGS—HYDATIDS

- Epizootology and epidemiology of alveolar echinococcosis in the Yamal Peninsula. A. D. Lazhkov. Med. paraz. i paraz. hol. 32 no. 2:180-183 '63.

## YAMAL PENINSULA—MOLLUSKS

- Some data on mollusks of Yamal and Taz Peninsulas. I. M. Khokhutin. Trudy Inst. biol. UFAN SSSR no. 40:65-66 '66.

## YARN

Evaluating the quality of knitting yarn by the point method  
V. V. Kuz'michev, Z. V. Kopyeva Tekst. prom. 26  
no 12 54-56 D '66

Interuniversity scientific technological conference on the  
manufacture of high-bulk threads and yarns V. A. Usen-  
ko Tekst. prom. 26 no 12 72-73 D '66

Structure and properties of complex yarns produced by  
the method of periodic reinforcement, P. P. Trykov,  
A. M. Murzina Izv. vuz. ucheb. zav. tekhn. tekhn. prom.  
no 5 18-23 '66

Study of the structural unevenness of yarn N. I. Rati-  
lan, Izv. vuz. ucheb. zav. tekhn. tekhn. prom. no 5 13-17 '66

Theoretical unevenness of yarn, S. P. Privalov, N. I.  
Tsvetov Izv. vuz. ucheb. zav. tekhn. tekhn. prom.  
no 5 65-69 '66

## YAROSLAVL PROVINCE—AMEBIASIS

Amebiasis in Yaroslavl Province, M. V. Fedorova Med.  
paraz. i parazit. hol. 31 no 5 567-570 S-O '62

## YASINOVKA (UKRAINE)—COKE PLANTS—MANAGE- MENT

Inexhaustible potentialities of increasing labor produc-  
tivity P. M. Ivanov Koks i khim., no 12 52-54 '66

## YAZGULEM VALLEY—MALARIA

Possibility of the existence of lingering malarial foci  
in the alpine areas of the western Pamirs V. V. Vysots-  
kiy, Med. parazit. i parazit. hol. 31 no 5 581-583 S-O  
'62

## YEAST

Change in the thermostability and frequency of chromo-  
some aberrations in yeasts as a result of the adaptation  
to high and low temperatures I. A. Zakharov Mikro-  
biologiya 31 no 5 853-856 S-O '62

Comparative study of some physiological-biochemical  
characteristics of *Candida robusta* and species of the  
*Saccharomyces* genus V. I. Kudryavtsev and others,  
Mikrobiologiya 31 no 5 778-781 S-O '62

Determining osmotic pressure in a yeast cell Z. P.  
Shishkov, I. I. A. Smid, Gidroliz i teskhtim. prom. 19  
no 8 4-6 '66

Effect of intermediate throttling on the thickening of the  
yeast concentrate in the nozzle Z. B. Kistall  
Gidroliz i teskhtim. prom. 19 no 4 10-12 '62

Role of yeastlike fungi on the development of autochthon-  
ous radiation sickness, P. N. Kiselev, K. I. Nikitina,  
Vop. radiobiol. 1, 287-295 '61

## YEAST—ANALYSIS

Chemical composition of feed yeast produced under the  
effect of low-frequency vibrations L. I. Tretyakov,  
M. I. Gorianov Vest. AN Kazakh SSR 19 no 1 84-87 Ia  
'63

## YEAST—CULTURES AND CULTURE MEDIA

Effect of amine nitrogen content in medium on formation  
of higher alcohols during their fermentation by *Saccha-  
romyces cerevisiae*, race XI I. M. Gracheva, S. A.  
Babaeva, I. A. Veselov, Prikl. biokhimi. i mikrobiol.  
2 no 6 661-666 N-D '60

Effect of growth temperature on paraffin requirement by  
*Candida tropicalis* yeast, I. N. Pozmogova, N. S.  
Kuziatov Prikl. biokhimi. i mikrobiol. 2 no 6 640-643  
N-D '65

Effect of medium composition on L-tryptophan accumula-  
tion in *Mansuetella anomala* strain 315-21, yeast, L. B.  
Lubyeva, Prikl. biokhimi. i mikrobiol. 2 no 6 632-  
634 N-D '66

Effect of vacuum cooling on the good quality of wood  
hydrolyzate E. P. Krasavina, L. I. Sokolova, R. P.  
Martynova Gidroliz i teskhtim. prom. 19 no 8 24-  
26 '66

Ergosterol production by fodder yeast, E. M. Dikanskaya  
and others Prikl. biokhimi. i mikrobiol. 2 no 6 635-  
639 N-D '66

Lavinogenic activity of various *Candida* yeast species,  
G. M. Shavlovskiy, G. P. Ksheminskaya, I. N. Tcikov  
Prikl. biokhimi. i mikrobiol. 2 no 6 649-654 N-D '66

Preparative procedure for obtaining enriched preparations  
of aminoacyl-tRNA-synthetases from baker's yeast  
M. N. Ovander, L. S. Sandakhchikov, Biokhimiya 31 no 6  
1121-1128 N-D '66

Stimulation of tryptophan accumulation in fodder yeast  
by anthranic acid, I. I. Kiselev, Z. S. Kagan, V. L.  
Kislovich, Prikl. biokhimi. i mikrobiol. 2 no 6 625-  
631 N-D '66

## YEAST AS FEED

Automation of some technological processes in the produc-  
tion of fodder yeast, V. A. Pikhodchenko, V. S. Nemi-  
shkalov, Gidroliz i teskhtim. prom. 19 no 8 22-24 '66

Obtaining fodder yeast from the wastes of groats pro-  
duction, M. S. Dudkin, V. E. Starichkova, Gidroliz i  
teskhtim. prom. 19 no 4 7-10 '62

Production of fodder yeast on molasses stillage with  
the use of the *Candida* arborea culture, M. I. A. Putnyina,  
M. E. Beker, Spirt. prom. 28 no 5 12-13 '62

Selecting machines and equipment for farm yeast produc-  
tion, P. V. Andreev, Zap. LSKH 90/288-293 '65

## YELAN-KAMYSKINSK (VOLGOGRAD PROVINCE)— PENSIONS

The best in the province P. Semidelova, Sois. obsch.  
11 no 12 21-23 D '66

## YENISEY RANGE—GRANITE

Granitoids of Yenisey Range M. I. Voldinov, Blud. MOIP,  
Otd. geol. 41 no 4 153-154 Ji-Ag '66

## YENISEY VALLEY—ECONOMIC CONDITIONS

The Yenisey Siberian giant, N. P. Raske, Sov.  
profsouzy 22 no 2 17-19 D '66

## YENISEY VALLEY—METAMORPHISM (GEOLOGY)

Pyrometallurgy in endocontact zones of trap rock intru-  
sions in Tunguska syncline, II, S. Kinkovskiy, Blud.  
MOIP, Otd. geol. 41 no 4 151-152 Ji-Ag '66

## YENISEY VALLEY—ROCKS, IGNEOUS

Pyrometallurgy in endocontact zones of trap rock intru-  
sions in Tunguska syncline, IU, S. Kinkovskiy, Blud.  
MOIP, Otd. geol. 41 no 4 151-152 Ji-Ag '66

## YEREVAN see ERIVAN

## YEVLAKHI (AZERBAIJAN)—PAPEBOARD

Manufacture of cardboard from cotton stems at the  
planned Yevlakh Combine, L. P. Antonov, Rum. i der.  
prom. no 3 15-18 Ji-S '62

## YOUNG COMMUNIST LEAGUE see Communist Youth League

## YOUNG PEOPLE'S LIBRARIES see Libraries, Young people's

## YOUTH

(see also subdivision under France, Germany, West)  
A roll call of generations O. Kalinitshev, V. I. Anella,  
Sovetskaya shkola 21 no 12 35-36 '66

## YOUTH—CONGRESSES

Our calendar, Mol. komm., no 4 77-80 Ap '61

## YOUTH—EMPLOYMENT

Youth came to the plant, M. Dusekin, Sov. profsouzy  
22 no 2 23 D '66

## YOUTH—INFORMATION SERVICES

"Saturday of the young," an oral newspaper, G. I. Ake-  
vich, Mol. komm., no 3 73-75 Mi '61

## YOUTH IN LITERATURE

New generation is shown on the motion-picture screen,  
G. P. Ponomarev, Mol. komm., no 11 118-120 N '61

We shall never forget the heroes of this play, V. Mak-  
simenko, O Spasakht, Mol. komm., no 3 117-119  
Mi '61

## YTTRIUM BORIDES

Characteristics of vacuum metallurgy for producing and  
certain properties of yttrium and gadolinium borides,  
R. M. Menelits and others, Porosh. met. 6 no 11 77-  
84 N '66

## YTTRIUM FERRATES

Echo pulses in iron yttrium garnet, I. V. Litovskiy,  
I. A. Monakov, Fiz. vuz. i Zhur. ekspan. i teoret.  
fiz. 5 no 1, 3-6 Ja '67

## YTTRIUM ISOTOPES

Radiative capture of fast neutrons by  $Y^{90}$  isotope, V. I.  
Tolstikov and others, Atom. energ. 21 no 6 506-507  
D '66

## YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. lit. po IUG, no 9/10-  
12 '66

## YUGOSLAVIA—CHILDREN

Nadia studies, Bane Djuricic, Sem. i shkola 21  
no 11 57 N '68

## YUGOSLAVIA—CITIES AND TOWNS

The economy of and social relations in the city of Skradin  
according to its charter, B. I. Borzunov, V. V. Zakharov  
Vop. ist. slav. no 2 82-87 '66

## YUGOSLAVIA—DECORATION AND ORNAMENT

Creative quests of Yugoslav "monumentalists," I. Aki-  
mova, Iskusstvo 29 no 11 60-84 '66

## YUGOSLAVIA—DESCRIPTION AND TRAVEL

The people and their problems; letters from Yugoslavia,  
N. Sergeeva, I. Trofimova, Nov. vrem. 25 no 4 8-  
11 Ja '67

## YUGOSLAVIA—HISTORY

An evaluation of social and economic changes in the  
second half of the 14th century in Serbia, Macedonia,  
and Zeta, E. P. Naumov, Vop. ist. slav. no 2 101-109  
'68

The problem of zhupans and the Zhupans, V. P. Grachev,  
Vop. ist. slav. no 2 68-100 '66

## YUGOSLAVIA—LAND TENURE

Agrarian relations in the Zadar region in the 13th and  
14th centuries, V. V. Zakharov Vop. ist. slav. no 2,  
11-70 '66

## YUGOSLAVIA—MERCHANTS

Commercial companies of Trogir and Kotor in the late  
13th and the 14th centuries, based on the material of  
notarial agencies, F. I. Chudinovskikh Vop. ist. slav.  
no 2 71-81 '66

## YUGOSLAVIA—MURAL PAINTING AND DECORATION

Ancient Yugoslav frescoes, S. I. Amshelov, Iskusstvo  
29 no 11 70-72 '66

## YUGOSLAVIA—WORLD WAR, 1939-1945—UNDER- GROUND MOVEMENTS

Born of the struggle against fascism I Shinkarev Voen. i  
ist. zhur. 8 no 12 113-117 D '66

## YUR'YEV-POL'SKIY (VLADIMIR PROVINCE)—SCULP- TURE

"The Supplication of Daniel the Prince"—the sculpture of  
the St. George Cathedral - "The Wind of the Dawnfall  
of the Russian Land" G. B. Vagner, Izv. ODR 22,  
10-36 '66

## YUZHNO-SAKHALINSK—ART GALLERIES AND MUSEUMS

Sakhalinskiy oblastni kraevedcheskiy muzej, [Brief guide-  
book for visitors to the Sakhalin Province Museum of  
Regional Studies] Kratkiy spavochnik dlia posetiteley.  
[Yuzhno-Sakhalinsk, Dal'nnevostochnoe knizhnoe izd-vo]  
1966, 25 p.

## YUZHNO-SAKHALINSK—CONCRETE PLANTS—DESIGN AND CONSTRUCTION

Raised capacity surpassed, V. Simenov, G. I. Alekov,  
Na. Strel. Ros. 7 no 11 11 N '66

## ZABOLOTNYY, DANIL KIRILLOVICH, 1867-1929

Dilal, V. I. [Life dedicated to people; on the centenary  
of the birth of Academician D. K. Zabolotnyy] Zhytlya,  
vidnane liudiam; do 100-ty ichchya z dnia narodzhennia  
akademika D. K. Zabolotnogo, Kyiv, Naukova dumka,  
1966, 79 p. (Naukovo-popularna literatura)

In Memory of Academician Danil Kirillovich Zabolotnyy;  
the 100th anniversary of his birth V. I. Dilal, Mikrobiol.  
zhur. 28 no 6 3-10 '66

## ZACHEPILOVKA OIL FIELD—PETROLEUM GEOLOGY

Characteristics of the reservoir rocks of the Carbonif-  
erous sediments of the Zachepilovka oil field, A. M.  
Shchegolev, Neft. i gaz. prom. no 1 6-10 Ja-Mi '63

## ZAKATALY REGION (AZERBAIJAN)—LAND TENURE

Obligatory redemption of allocated lands in the Zakataly  
region I. A. Talybrade Dokl. AN Azerb. SSR 18  
no 3 103-106 '62

## ZAKATALY REGION (AZERBAIJAN)—PEASANTRY

Obligatory redemption of allocated lands in the Zakataly  
region I. A. Talybrade Dokl. AN Azerb. SSR 18  
no 4 107-108 '62

## ZAPOROZH'YE—INTESTINES—DISEASES

Data on colicenteritis morbidity in Zaporozh'ye Kh. I.  
Berezanova Zhur. mikrobiol. i epi. i immun. 33 no 6:  
60-63 Je '62

## ZAPOROZH'YE—OIL INDUSTRIES—EQUIPMENT AND SUPPLIES

For the technological progress, V. K. Zorin, Masl. i  
zhir. prom. 28 no 6 38-39 Je '62

## ZAPOROZH'YE—RUSSIAN LANGUAGE—STUDY AND TEACHING

Dynamic visual aides and filmstrips in Russian language  
study, V. I. Palamarchuk, Vech. shkol. 9 no 6:  
20-24 N-D '66

## ZAPOROZH'YE—STEEL, STAINLESS—PICKLING

Studying pickling of Kh18Ni9Ti steel sheets depending upon  
conditions of their heating for hardening, A. N. Pokhri  
and others Stal' 26 no 12 1135-1137 D '66

## ZAPOROZH'YE PROVINCE—BOOKSTORES

Culture and technological aesthetics, V. Sergienko,  
Knizh. tovg. 17 no 12 16-18 D '66

## ZAPOROZH'YE PROVINCE—FALLOWING

Soil moisture on various types of fallows in Zaporozh'ye  
Province V. M. Beilis, Sbor. trud. asp. i mol. nauch.  
soiz. VIR no 2 333-338 '61

## ZAPOROZH'YE PROVINCE—HARVESTING

Round-the-clock harvesting, P. Chervenko, Agltator  
no 16 36-39 Ag '62

## ZAPOROZH'YE PROVINCE—RADIO JOURNALISM

Our combat cooperators, N. Khimenko, Sov. radio i tel.  
12 no 8 20 Je '63

## ZAPOROZH'YE PROVINCE—SOIL MOISTURE

Soil moisture on various types of fallows in Zaporozh'ye  
Province, V. M. Beilis, Sbor. trud. asp. i mol. nauch.  
soiz. VIR no 2 333-338 '61

#### ZARAIK DISTRICT—DRUGSTORES

The best pharmacy in the district G. M. Sagolov Apt. dole 12 no. 167 Ja-r' '63

#### ZAUGUZKOYE PLATEAU—WATER, UNDERGROUND

Chloride waters with a low mineral contents in the central and eastern Zaunguzkoye Plateau M. K. Kaidarov Izv. AN Turk SSR Ser. fiz., khim. i geol. nauk no. 2 121-124 '63.

#### ZEOLITE CRYSTALS

Electron microscope study of the crystallization of synthetic zeolite of the 1A type S. A. Levina, N. I. Plushcheyevskii, N. F. Ermolenko Dokl. AN SSSR 6 no. 8-500-502 Ag '62

#### ZEOLITES

Computation of the energy of neon and argon adsorption by zeolite NaA, P. Broter, A. V. Kiselev, A. V. Lupatin, Dokl. AN SSSR 171 no. 5 1126-1129 D '68.

Kinetics of water sorption on zeolites IU. S. Litzin, M. M. Dubinin Dokl. AN SSSR 171 no. 2 382-384 N '66

Sorption of  $C_6 - C_{10}$  n-alkanes on Ca<sup>2+</sup> zeolite at high temperatures and pressures P. H. Galien, V. P. Mustenkov, V. V. Tabakov Ukr. khim. zhur. 32 no. 12: 1299-1301 '66

Use of synthetic zeolites (molecular sieves) in catalysis, Kh. M. Minachev, V. I. Garatin, I. A. Isakov, Usp. khim. 35 no. 12 2151-2177 D '66.

#### ZERAVSHAN VALLEY—GLACIERS

Synchronism of variations of annual runoff of rivers in mountainous part of Zeravshan basin and effect of glaciation on spatial changeability of runoff B. A. Kamalov, Zh. Khafizbaev, Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27 105-109 '66

#### ZERAVSHAN VALLEY—RUNOFF

Synchronism of variations of annual runoff of rivers in mountainous part of Zeravshan basin and effect of glaciation on spatial changeability of runoff B. A. Kamalov, Zh. Khafizbaev, Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 27 106-109 '66

#### ZHABINKA (BREST PROVINCE)—SUGAR INDUSTRY—TECHNOLOGICAL INNOVATIONS

Innovators of a new enterprise, A. I. Zaita, Prom. Bel. 9 no. 12-59-60 D '66

#### ZHDANOV—BLAST FURNACES—EQUIPMENT AND SUPPLIES

Using reducing capability of natural gas in smelting phosphorous basic pig iron E. N. Tikhomirov Stal' 26 no. 12 1082-1086 D '66

#### ZHELYTYSHEV, STEPAN PAVLOVICH

Uzlov, IU. A. [60 days with V. I. Lenin; from the life of S. P. Zhelytyshev, former soldier of the Volyn' Regiment, an aide to V. I. Lenin] 60 dnei s V. I. Leniny, iz zhizni S. P. Zhelytysheva, byvshego soldata Volynskogo polka, poruchitsa V. I. Lenina, Ufa, Bashkirskoe knizhnoe izd-vo, 1965. 60 p. (CS-11)

#### IETYPAY OIL FIELD—OIL WELL DRILLING—TECHNOLOGICAL INNOVATIONS

Improving the technology and indices of oil well drilling on the Zhelybay area, I. E. Rudavskii, A. N. Nurshanoa Eksp. nefteob. prom. no. 5 13-15 '66

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#### ZINC PLATING

Purin, B. A., and V. A. Tsara. [Pyrophosphato-ammonium electrolyte for zinc plating] Pyrofosfatno-ammoniovyi elektrolit dlya zinkovaniia, Riga, Latvyskii respubl. in-t nauchno-tekhn. informatsii i piopagandy, 1960. 14 p. (Listok tekhnicheskoi informatsii; "Khimicheskaya promyshlennost")

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#### ZIRCONIUM COMPOUNDS

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Some characteristics of geographical variations in mammals V. A. Dolgov, Dokl. AN SSSR 171 no. 5 1270-1233 D '66.

#### ZOOLOGY—VARIATION

Some characteristics of geographical variations in mammals, V. A. Dolgov, Dokl. AN SSSR 171 no. 5:1270-1233 D '66.

#### ZOONOSES

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Lokhmanenko, V. A. [From animals to man] Ot zhivotnykh cheloveku, Moskva, Meditsina, 1966. 63 p. (Nauchno-populnarnaya meditsinskaya literatura.) (DNLM)

Problems of epidemiological geography. Report No. 7: Significance of anthropophiles in the geography of zoonotic pathogens, I. I. Etkin, V. K. Aitkhali, Zhur. mikrobiol. epid. i immunit. 43 no. 11:101-109 N '66.

#### ZOOPLANKTON see subdivision under Aden, Gulf of, Kielungan, Lake; Ordynskoye, Lake, Red Sea

#### ZUCKMAYER, KARL, 1806-

Under the mask of respectability, L. Frankin, Teatr 24 no. 7:152-153 Ji '63.

#### ZURKOV, PAVEL EDUARDOVICH, 1906-

Pavel Eduardovich Zurkov on his 60th birthday Ger. zhur. no. 11:78 N '66.

#### ZYRYA OIL FIELD—OIL FIELD BRINES

Correlating the waters of the lower sector of a producing formation in the Zyrya oil field, B. I. Saitanov and others, Azerb. neft. khoz. 42 no. 3:10-11 Mr '63.

#### ZYRYA OIL FIELD—PETROLEUM—ANALYSIS

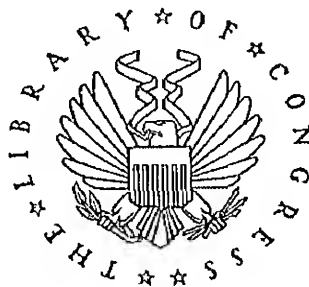
Investigating the oil of the Zyrya oil field, O. G. Ashurmov and others, Azerb. neft. khoz. 42 no. 3:37-39 Mr '63.

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# Monthly Index *of* Russian Accessions



Volume 20, No. 2

May 1967

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## INTRODUCTORY NOTE

The MONTHLY INDEX OF RUSSIAN ACCESSIONS\* is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Whenever possible, publications printed in other languages spoken in the Soviet Union are also included.

The MONTHLY INDEX consists of three parts. Part A lists monographic literature, but no accessions published earlier than 1954 are included. To facilitate the use of this INDEX by readers who are not thoroughly familiar with the Russian language, the title in the original language in Part A is preceded by its English translation in brackets.

Part B lists Russian periodicals received, but excludes accessions printed earlier than 1954. Tables of contents in English translation are provided for most periodicals listed. Certain Soviet periodicals are being translated into English from cover to cover and published regularly in translation in the United States and other English-speaking countries. A list of such translated periodicals, their publishers, subscription prices, etc., is given at the end of each issue of the *Monthly Index*. In Part B such periodicals are indicated by an asterisk before the periodical title.

Part C provides subject analysis of the monographic titles listed in Part A and of the articles appearing in the periodicals enumerated in the *List of Periodicals Indexed and Abbreviations Used* at the beginning of Part C. The number and letter in parentheses following each abbreviation indicate the class and subclass in which the periodical appears in Part B. For the convenience of readers desiring to examine only monographs or periodical articles, the monographs are printed in slightly heavier type than the periodical articles. The titles of monographs are given both in the original language and in English translation, whereas titles of periodical articles are given in English translation only.

Sample title: Some data on lung-to-heart reflexes in amphibians. A. E. Alekseev. *Biul. eksp. biol. i med.* 54 no. 12: 18-22 D '62.

Explanation: An article with title given above in English translation, written by A. E. Alekseev, will be found in the December 1962 issue of *Biulleten' eksperimental'noi biologii i meditsiny*, vol. 54, no. 12, pages 18-22.

A cumulative list of periodicals included in the current volume appears in number 12 of that volume. This list is arranged by subject; the symbols of American libraries other than the Library of Congress, known to have files of such periodicals, follow each title.

Except in Part C, the material is divided into 17 subject classes and is arranged alphabetically within each class. In addition, for the convenience of the reader, the serials listed in Part B are divided within each subject class into several subclasses. All entries are transliterated according to the usual Library of Congress system except that ligatures are omitted. Unless otherwise indicated, all listed items are represented in the collections of the Library of Congress. Symbols representing other libraries indicate when items are available in those libraries. Curves ( ) around a symbol indicate that at the time of receipt the material was available in another library but not in the Library of Congress.

Cumulative author, subject, and periodical location indexes to the first four volumes of the MONTHLY INDEX are available as separate publications. Beginning with Volume 5, an author index to the monographs, and a periodical location index for the entire volume are furnished as appendices to the first two issues of the following volume.

Orders for microfilm or photostat copies of the listed items that are in the collections of the Library of Congress may be placed with the Photoduplication Service, Library of Congress, Washington, D. C. 20540

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\* Volumes 1-10 (No. 9), 1948-1957, issued under title *Monthly List of Russian Accessions*.



# SYMBOLS OF LIBRARIES REPORTING RECEIPT OF PUBLICATIONS

AAP	Auburn University, Auburn, Ala.	CaOOU	University of Ottawa, Ottawa, Canada
AMAU	Air University Library, Maxwell Air Force Base, Montgomery, Ala.	CaOTM	Library, Meteorological Branch, Air Services, Dept. of Transport, Toronto, Canada
AU	University of Alabama, University	CaOTR	Royal Canadian Institute, Toronto, Canada. (Collection included with CaOTU)
AKU	University of Alaska Library, College	CaOTRM	Royal Ontario Museum, Zoology and Paleontology Library, Toronto, Canada
AzTeS	Arizona State College, Tempe	CaOTU	University of Toronto, Toronto, Canada
AzU	University of Arizona, Tucson	CaOWA	Assumption University Library, Windsor, Canada
C	California State Library, Sacramento	CaOWIU	University of Waterloo Library, Waterloo, Canada
CBPac	Pacific School of Religion, Berkeley	CaQMAI	Arctic Institute of North America, Montreal, Canada
CCC	Honold Library, Claremont, Calif.	CaQMBM	Bibliothèque de la Ville de Montréal, Collection Gagnon, Montreal, Canada
CFS	Fresno State College, Fresno, Calif.	CaQMM	McGill University, Montreal, Canada
CL	Los Angeles Public Library	CaQMP	Pulp and Paper Research Institute of Canada, Montreal, Canada
CLCM	Los Angeles County Museum Library, Los Angeles	CaQMU	La Bibliothèque de l'Université de Montréal, Montreal, Canada
CLL	Los Angeles County Law Library, Los Angeles	CaSSU	University of Saskatchewan, Saskatoon, Canada
CLM	Los Angeles County Medical Association, Los Angeles	CoBBS	U. S. National Bureau of Standards, Boulder Laboratories, Colorado
CLSU	University of Southern California, Los Angeles	CoCA	U. S. Air Force Academy, Colorado Springs
CLSU-H	— Hancock Library of Biology	CoD	Denver Public Library
CLU	University of California at Los Angeles	CoDM	Medical Society of the City and County of Denver
CMthL	University of California, Lick Observatory, Mount Hamilton	CoFS	Colorado State University, Fort Collins
CPT	California Institute of Technology, Pasadena	CoU	University of Colorado, Boulder
CSF	San Francisco Public Library	CHT	Trinity College, Hartford, Conn.
CSfA	California Academy of Sciences, San Francisco	CINlc	Connecticut College, New London, Conn.
CSfU	University of San Francisco, San Francisco	CIU	University of Connecticut, Storrs
CSmH	Henry E. Huntington Library, San Marino, Calif.	CIW	Wesleyan University, Middletown, Conn.
CSt	Stanford University Libraries, Stanford, Calif.	CIY	Yale University, New Haven
CSt-H	— The Hoover Institution on War, Revolution, and Peace	CIY-L	— Law Library
CSt-L	— Lane Medical Library	CIY-M	— Medical School Library
CStbS	University of California, Santa Barbara Library, Goleta	DAIA	American Institute of Architects Library, Washington, D. C.
CStmoR	Rand Corporation, Santa Monica, Calif.	DAL	U. S. Army Library, Pentagon Building
CU	University of California, Berkeley	DAU	American University Library, Washington, D. C.
CU-A	— University of California, Davis	DBC	U. S. Bureau of the Census Library
CU-B	— Bancroft Library, Berkeley	DBS	U. S. National Bureau of Standards Library
CU-E	— East Asiatic Library, Berkeley	DC	U. S. Department of Commerce Library
CU-L	— Law Library, Berkeley	DCU	Catholic University of America Library, Washington, D. C.
CU-M	— Medical Center, San Francisco	DDC	Dominican House of Studies, Immaculate Conception Convent Library, Washington, D. C.
CU-Riv	— College of Arts, Letters and Science, Riverside	DDO	Dumbarton Oaks Research Library of Harvard University, Washington, D. C.
CU-S	— Scripps Institution of Oceanography, La Jolla	DFR	Board of Governors of the Federal Reserve System
CaAEU	University of Alberta, Edmonton, Canada	DGC	Gallaudet College Library, Washington, D. C.
CaBVA	Vancouver Public Library, Vancouver, Canada	DGW	George Washington University Library, Washington, D. C.
CaBVAU	University of British Columbia, Vancouver, Canada	DHEW	U. S. Department of Health, Education, and Welfare Library
CaBVIPIA	Provincial Archives, Victoria, Canada	DHMF	U. S. Housing and Home Finance Agency Library
CaMWM	Medical Library of the University of Manitoba, Winnipeg, Canada	DI	U. S. Department of the Interior Library
CaNBIFU	University of New Brunswick, Fredericton, Canada	DI-GS	— Geological Survey Library
CaNSIHD	Dalhousie University, Halifax, Canada	DM	U. S. Bureau of Mines Library. (Library integrated with DI)
CaOKQ	Queen's University, Kingston, Canada	DN	U. S. Department of the Navy Library.
CaOL	London Public Library, London, Canada	DN-HIO	— Naval Oceanographic Office Library
CaOLU	University of Western Ontario, London, Canada	DN-Ob	— Naval Observatory Library
CaOOA	Public Archives Library, Ottawa, Canada	DN-RL	Naval Research Laboratory Library, Anacostia Station, Washington, D. C.
CaOOAg	Department of Agriculture, Main Library, Ottawa, Canada	DNAL	National Agricultural Library
CaOOCC	Carleton College, Ottawa, Canada	DNIIH	National Institutes of Health Library, Bethesda, Md.
CaOOF	Department of Finance Library, Ottawa, Canada	DNLM	U. S. National Library of Medicine
CaOOG	Geological Survey of Canada, Ottawa, Canada	DNW	U. S. National War College Library, Fort McNair
CaOOGB	Geographical Branch, Department of Mines and Technical Surveys, Ottawa, Canada		
CaOOH	Laboratory of Hygiene, Ottawa, Canada		
CaOOM	Bureau of Mines Library, Ottawa, Canada		
CaOON	National Research Council, Ottawa, Canada		
CaOONDR	Library, Directorate of Scientific Information Service, Defence Research Board, Ottawa, Canada		
CaOONM	National Museum, Ottawa, Canada		
CaOOS	Dominion Bureau of Statistics, Ottawa, Canada		

DP	U. S. Patent Office Library	MCM	Massachusetts Institute of Technology, Cambridge, Mass.
DS	U. S. Department of State Library	MH	Harvard University, Cambridge, Mass.
DSC	Scottish Rite Supreme Council Library, Wash- ington, D. C.	MH-A	— Arnold Arboretum, Jamaica Plain
DSI	Smithsonian Institution Library, Washington, D. C.	MH-AH	— Andover-Harvard Theological Seminary Library
DSI-AO	— Astrophysical Laboratory Library	MH-BH	— Blue Hill Meteorological Observatory, Milton, Mass.
DSI-E	— Bureau of American Ethnology Library	MH-BL	— Biological Laboratories Library
DSI-M	— National Museum Library	MH-C	— Chemistry Library
DWB	U. S. Weather Bureau Library	MH-F	— Farlow Reference Library
DeU	University of Delaware, Newark	MH-FA	— Fogg Art Museum Library
FMU	University of Miami, Coral Gables, Fla.	MH-G	— Gary Herbarium Library
FTaSU	Florida State University, Tallahassee	MH-GM	— Gordon McKay Library
FU	University of Florida, Gainesville	MH-HY	— Harvard-Yenching Institute (Chinese- Japanese Library)
GASC	Georgia State College, Atlanta	MH-L	— Law School Library
GAT	Georgia Institute of Technology, Atlanta	MH-M	— Schools of Medicine, Public Health and Dental Medicine, Boston
GEU	Emory University, Atlanta	MH-Mi	— Mineralogical Library
GU	University of Georgia, Athens	MH-O	— Astronomical Observatory, the Phillips Library
HU	University of Hawaii, Honolulu	MH-P	— Peabody Museum Library
HU-EWC	Center for Cultural and Technical Interchange between East and West	MH-PR	— Physics Research Library
I	Illinois State Library, Springfield	MH-SD	— Graduate School of Design Library
IArg	Argonne National Laboratory, Argonne, Ill.	MH-Z	— Museum of Comparative Zoology Library
IC	Chicago Public Library	MMeT	Tufts University, Medford, Mass.
ICA	Art Institute of Chicago, Chicago	MNS	Smith College, Northampton, Mass.
ICAC	American College of Surgeons Library, Chicago	MShM	Mount Holyoke College, South Hadley, Mass.
ICF	Chicago Natural History Museum, Chicago	MU	University of Massachusetts, Amherst
ICJ	John Crerar Library, Chicago	MWalB	Brandeis University, Waltham, Mass.
ICN	Newberry Library, Chicago	MWelC	Wellesley College, Wellesley, Mass.
ICRL	Center for Research Library, Chicago. Mid- west Interlibrary Center	MWhB	Marine Biological Laboratory, Woods Hole, Mass.
ICU	University of Chicago, Chicago	McAN	U. S. Naval Academy, Annapolis
ICU-Y	Yerkes Observatory, Williams Bay, Wis.	MdBJ	Johns Hopkins University, Baltimore
ICarhS	Southern Illinois University, Carbondale	MdBJ-W	— William H. Welch Medical Library
IEN	Northwestern University, Evanston, Ill.	MdBWA	Walters Art Gallery, Baltimore
IEN-C	— Joseph Schaffner Library of Commerce, Chicago	MdU	University of Maryland, College Park
IEN-M	— Medical School Library, Chicago	MeB	Bowdoin College, Brunswick, Maine
IHi	Illinois State Historical Library, Springfield	MeWC	Colby College, Waterville, Maine
IU	University of Illinois, Urbana	MiD	Detroit Public Library
IU-M	— Medical Sciences Library, Chicago	MIDA	Detroit Institute of Arts
IaAS	Iowa State University of Science and Tech- nology, Ames	MiDW	Wayne State University, Detroit
IaU	State University of Iowa, Iowa City	MiEM	Michigan State University, East Lansing
IaU-L	— College of Law Library	MiMidD	Dow Chemical Company, Midland, Mich.
IdNTS	National Reactor Testing Station, Technical Library, Phillips Petroleum Company, Idaho Falls, Idaho	MiU	University of Michigan, Ann Arbor
IdU	University of Idaho, Moscow	MiU-C	— William L. Clements Library
In	Indiana State Library, Indianapolis	MiU-L	— Law Library
InIA	Indiana Academy of Science Library, Indian- apolis	MiWar	General Motors Corporation, Research Labora- tories Division, Warren, Mich.
InLP	Purdue University, Lafayette, Ind.	GMR	Carleton College, Northfield, Minn.
InNd	University of Notre Dame, Notre Dame, Ind.	MnNC	Mayo Clinic and Foundation Library, Roch- ester, Minn.
InU	Indiana University, Bloomington	MnRM	James Jerome Hill Reference Library, St. Paul
KAS	St. Benedict's College, Atchison, Kan.	MnSJ	University of Minnesota, Minneapolis
KMK	Kansas State University, Manhattan	MnU	— Department of Agriculture Library, St. Paul
KU	University of Kansas, Lawrence	MnU-A	— Bio-Medical Library
KU-L	— School of Law Library	MnU-B	— Law Library
KU-M	— Medical Center Library, Kansas City	MnU-L	Central College, Fayette, Mo.
KyU	University of Kentucky, Lexington	MoFC	Linda Hall Library, Kansas City
LNHT	Howard-Tilton Memorial Library of Tulane University, New Orleans, La.	MoKL	University of Missouri School of Mines and Metallurgy, Rolla
LU	Louisiana State University, Baton Rouge	MoRM	St. Louis Public Library
MA	Amherst College, Amherst, Mass.	MoS	Missouri Botanical Garden, St. Louis
MB	Boston Public Library	MoSB	St. Louis University, St. Louis
MBA	American Academy of the Arts and Sciences, Boston	MoSU	Washington University, St. Louis
MBAt	Boston Athenaeum, Boston	MoSW	— Medical School Library
MBCo	Countway Library of Medicine (Harvard- Boston Medical Libraries)	MoSW-M	University of Missouri, Columbia
MBM	Boston Medical Library, Boston	MoU	Mississippi State University, State College
MBN	Boston Society of Natural History, Boston	MsSM	University of Mississippi, Oxford
MBU	Boston University	MsU	Montana State College, Bozeman
MBDAF	U. S. Air Force Cambridge Research Center, Bedford, Mass.	MtBC	Montana State University, Missoula
		MtU	New York State Library, Albany
		N	Wells College, Aurora, New York
		NAurW	Brooklyn Public Library
		NB	Brooklyn Museum Libraries, Brooklyn
		NBB	Brooklyn College, Brooklyn
		NBC	

NBG	Brooklyn Botanic Garden, Brooklyn	NjN	Newark Public Library, Newark, N. J.
NBM	Academy of Medicine of Brooklyn Library, Brooklyn	NjP	Princeton University, Princeton, N. J.
NBSU-M	State University of New York, College of Medicine Downstate Medical Center Library, Brooklyn	NjPT	Princeton Theological Seminary, Princeton, N. J.
NBronSL	Sarah Lawrence College, Bronxville, N. Y.	NjR	Rutgers University, New Brunswick, N. J.
NBuB	Buffalo Society of Natural Sciences, Buffalo	NmUpU	New Mexico State University of Agriculture, Engineering and Science, University Park
NBuU	University of Buffalo, Buffalo	NvU	University of Nevada, Reno
NCH	Hamilton College, Clinton, N. Y.	O	Ohio State Library, Columbus
NCornC	Corning Glass Works Library, Corning, N. Y.	OAKU	University of Akron, Akron, Ohio
NCsC	Carnegie Institution, Department of Genetics, Cold Spring Harbor, N. Y.	OCH	Hebrew Union College, Cincinnati
NIC	Cornell University, Ithaca, N. Y.	OCLloyd	Lloyd Library and Museum, Cincinnati
NIC-A	— State Colleges of Agriculture and Home Economics	OCU	University of Cincinnati, Cincinnati
NN	New York Public Library	OCI	Cleveland Public Library
NNA	American Geographical Society, New York	OCIBHS	Benedictine High School, Cleveland
NNBG	New York Botanical Garden, Bronx Park, New York	OCICS	Case Institute of Technology, Cleveland
NNC	Columbia University, New York	OCJC	John Carroll University, Cleveland
NNC-L	— Law Library	OCIM	Cleveland Medical Library
NNC-M	— Medical Library	OCIMA	Cleveland Museum of Art
NNC-T	— Teachers College Library	OCIW	Western Reserve University, Cleveland
NNCC	Chemists' Club, New York	OCOB	Battelle Memorial Institute, Columbus
NNCoCI	College of the City of New York, New York	ODW	Ohio Wesleyan University, Delaware, Ohio
NNCorM	Cornell University Medical College Library, New York	OHI	Ohio State Historical Society, Columbus
NNE	Engineering Societies Library, New York	OKentC	Kent State University, Kent, Ohio
NNF	Fordham University, New York	OO	Oberlin College, Oberlin, Ohio
NNIS	Library for Intercultural Studies, New York	OOxM	Miami University, Oxford, Ohio
NNJ	Jewish Theological Seminary of America, New York	Oste	Carnegie Library, Steubenville, Ohio
NNM	American Museum of Natural History, New York	OU	Ohio State University, Columbus
NNMM	Metropolitan Museum of Art Library, New York	OUCA	Chemical Abstracts, Ohio State University, Columbus
NNNAM	New York Academy of Medicine, New York	OkS	Oklahoma State University, Stillwater
NNPH-O	Institute of Ophthalmology, Presbyterian Hospital, New York	OkU	University of Oklahoma, Norman
NNR	Russell Sage Foundation, College of the City of New York	OrCS	Oregon State University, Corvallis
NNRI	Rockefeller Institute for Medical Research, New York	OrPR	Reed College, Portland, Ore.
NNU	New York University Libraries, New York	OrU	University of Oregon, Eugene
NNU-H	— University Heights Library	P	Pennsylvania State Library, Harrisburg
NNU-M	— Bellevue Medical Center Libraries (Includes Neuropsychiatric Library)	PBL	Lehigh University, Bethlehem, Pa.
NNU-W	— Washington Square Library	PBm	Bryn Mawr College, Bryn Mawr, Pa.
NNUN	United Nations Library, New York	PHC	Haverford College, Haverford, Pa.
NPV	Vassar College, Poughkeepsie, N. Y.	PLF	Franklin and Marshall College, Lancaster, Pa.
NRE	Eastman Kodak Company, Rochester, N. Y.	PLatS	Saint Vincent College and Archabbey Libraries, Latrobe, Pa.
NRU	University of Rochester, Rochester, N. Y.	PP	Free Library of Philadelphia
NSyU	Syracuse University, Syracuse, N. Y.	PPAN	Academy of Natural Sciences, Philadelphia
NUpB	U. S. Brookhaven National Laboratory, Upton, N. Y.	PPAmP	American Philosophical Society, Philadelphia
NYBT	Boyce Thompson Institute for Plant Research, Yonkers, N. Y.	PPBC	Philadelphia Bibliographical Center and Union Library Catalogue
NYhI	International Business Machines Corporation, Thomas J. Watson Research Center, Yorktown Heights, New York	PPC	College of Physicians of Philadelphia
NbU	University of Nebraska, Lincoln	PPDrop	Dropsie College for Hebrew and Cognate Learning, Philadelphia
NcD	Duke University, Durham, N. C.	PPF	Franklin Institute, Philadelphia
NcGW	Woman's College of the University of North Carolina, Greensboro	PPLas	La Salle College, Philadelphia
NcRS	North Carolina State College of Agriculture and Engineering, Raleigh	PPM	Philadelphia Museum of Art
NcU	University of North Carolina, Chapel Hill	PPT	Temple University, Philadelphia
NcU-H	— Division of Health Affairs. (North Carolina Memorial Hospital)	PPUC	Union Library Catalogue of the Philadelphia Metropolitan Area, Philadelphia
NdU	University of North Dakota, Grand Forks	PPWI	Wistar Institute of Anatomy and Biology, Philadelphia
Nh	New Hampshire State Library, Concord	PPI	Carnegie Library of Pittsburgh, Pittsburgh
NhD	Dartmouth College, Hanover, N. H.	PPICI	Carnegie Institute of Technology, Pittsburgh
NhU	University of New Hampshire, Durham	PPIU	University of Pittsburgh, Pittsburgh
NJI	Irrington Free Public Library, Irvington, N. J.	PProSC	Rosemont College, Rosemont, Pa.
NjMuA	Air Reduction Company, Inc., Central Research Department Library, Murray Hill	PSC	Swarthmore College, Swarthmore, Pa.
NjMuB	Bell Telephone Laboratories, Murray Hill, N. J.	PSt	Pennsylvania State University, University Park
		PU	University of Pennsylvania, Philadelphia
		PU-BZ	— Botany-Zoology Library
		PU-El	— Moore School of Electrical Engineering Library
		PU-FA	— School of Fine Arts Library
		PU-Math	— Mathematics-Physics Library
		PU-Mu	— University Museum Library
		PU-Penn	— Penniman Library of Education
		PU-Se	— Towne Scientific School Library
		RFB	Brown University, Providence, R. I.
		RU	University of Rhode Island, Kingston
		ScU	University of South Carolina, Columbia
		TCU	University of Chattanooga, Chattanooga, Tenn.

<b>TNJ</b>	Joint University Libraries (Vanderbilt University, George Peabody College for Teachers, and Scarritt College), Nashville, Tenn.	<b>UU</b>	University of Utah, Salt Lake City
<b>TOU</b>	Oak Ridge Associated Universities, Oak Ridge, Tenn.	<b>ViBibV</b>	Virginia Polytechnic Institute, Blacksburg
<b>TU</b>	University of Tennessee, Knoxville	<b>ViRM</b>	Medical College of Virginia, Richmond
<b>TxCM</b>	Agricultural and Mechanical College of Texas, College Station	<b>ViU</b>	University of Virginia, Charlottesville
<b>TxDaM</b>	Southern Methodist University, Dallas	<b>ViU-L</b>	-- Law Library
<b>TxHR</b>	Rice Institute, Houston	<b>ViW</b>	College of William and Mary, Williamsburg
<b>TxLT</b>	Texas Technological College, Lubbock	<b>VtMiM</b>	Middlebury College, Middlebury, Vt.
<b>TxU</b>	University of Texas, Austin	<b>VtU</b>	University of Vermont and State Agricultural College, Burlington
<b>ULA</b>	Utah State University of Agriculture and Applied Science, Logan	<b>WAP</b>	Institute of Paper Chemistry, Appleton
<b>UPB</b>	Brigham Young University, Provo, Utah	<b>WHi</b>	State Historical Society of Wisconsin, Madison
		<b>WU</b>	University of Wisconsin, Madison
		<b>WaU</b>	University of Washington, Seattle
		<b>WvU</b>	West Virginia University, Morgantown
		<b>WyU</b>	Wyoming University, Laramie

# MONTHLY INDEX OF RUSSIAN ACCESSIONS

LIBRARY OF CONGRESS—PROCESSING DEPARTMENT

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## 1. GENERAL

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EESTI NSV TEADUSTE AKADEEMIA. [The Academy of Sciences of the Estonian S.S.R., 1956-1964] Eesti NSV Teaduste Akadeemia aastati 1956-1964. Tallinn, 1965. 307 p. [In Estonian]

[I WANT TO KNOW EVERYTHING!] Khochu vse znat'! Leningrad, Detskaya lit-ia, 1966. 320 p.

[LITHUANIAN ENCYCLOPEDIA] Lietuviu enciklopedija. [Boston] Lietuviu Enciklopedijos Leidykla. [In Lithuanian] Vol. 35. Z. - Zvirzdis. [c1968] 494 p.

ROSTOVSKII GOSUDARSTVENNYI UNIVERSITET. [Scholarly studies of 1963, series in the humanities] Nauchnye soobshcheniia za 1963 god, seriya humanitarnykh nauk. [Rostov-na-Donu] 1964. 139 p.

## 2. BIBLIOGRAPHY

AL'TSHUL', G. N. [Organization and technique of selling books] Organizatsiia i tekhnika torgovli knigami. Izd. 2., ispr. i dop. Moskva, Kulga, 1965. 235 p. (MNC)

BERSONS, J. [Riches do not come themselves; on reading fiction] Begatstva pail neainak, paruma par literaturas lasianu. Riga, Liesma, 1966. 65 p. [In Latvian]

GAZETY I ZHURNALY SSR NA 1967 GOD. Newspapers and magazines of the USSR for 1967. Moscow, V/O Mezhdunarodnaya kniga. [n. d.] 138 p. [In 5 languages]

INTERNATIONAL FEDERATION FOR DOCUMENTATION. [Universal decimal classification for building and architecture and for associated branches of science and technology] Universálnaia desiatichimna klasifikatsiia po arhitekturu i arkhitektore i smezhnym otnasheniim nauki i tekhniki (MFD 397). Moskva, TsINIS, 1965. 101 p.

KNIZHNAIA PALATA TADZHIKSKOI SSR. [The press of the Tajik S.S.R., 1959-1963, statistical materials] Pechat' Tadzhikskoi SSR, 1959-1963; statisticheskie materialy. Dushanbe, 1964. 61 p. (MII)

KOMAROVA, A. Z., and N. V. SAFONOVA. [For the public distributor of books, a short reference book] Obshchestvennomu rasprostranitelu knigi, kratkii spravochnik. Moskva, Kulga, 1965. 70 p.

MOSCOW. TSENTRAL'NAIA NAUCHNAIA SEL'SKOKHOZIAISTVENNAIA BIBLIOTEKA. [Union index of bibliographic lists and card catalogs compiled by libraries of the Soviet Union in 1965; agriculture] Svochnyi ukazatel' bibliograficheskikh spisokov i kartochek, sostavlenykh bibliotekami Sovetskogo Soyuza v 1965 godu, sel'skoe khoz'ialstvo. Moskva, 1966. 78 p.

MOTIASHOV, I. P. [The upbringing of the citizen; new books for children] Vospitaniie grazhdanina, o novykh knigakh dlia detei. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauka, tekhnika. VI Seriya: Literatura, no. 2)

NIKANCHIKOVA, E. A., and A. L. POPOVA. [Technology of offset printing] Tekhnologiya offsetnoi pechati. Moskva, Kulga, 1966. 476 p.

SHAPOSHNIKOV, S. I. [Stereotype] Stereotipia. Moskva, Kulga, 1966. 101 p.

TURKMENSKAIA GOSUDARSTVENNAIA BIBLIOTEKA. [The Turkmen S.S.R., a beacon light of socialism and communism in the East] Turkmenistan SSR-1 - gumogarda sotstailizma ve kommunizma malkalany-nyn baidir, edebatlary khodurteizli spisok. Duzen Ashk Seidov. Red. Zhuma Seitmylyzov. Ashgabat, 1961. 51 p. [In Turkmen]

## 3. PHILOSOPHY &amp; RELIGION

ANISIMOV, A. F. [Stages in the development of primitive religion] Etapy razvitiia pervobytnoi religii. Moskva, Nauka, 1967. 160 p.

ARDENTOV, B. P. [Thought and language] Mysl' iazyk. Kishinev, Karla Moldovenastko, 1965. 85 p.

ASMUS, V. F. [A historical study of the problem of intuition in philosophy and mathematics, from the 17th through the early 20th century] Problema intuitsii v filosofii matematike, ochevki istorii XVII-nachala XX v. 2. Izd. Moskva, Mysl', 1965. 311 p.

AVERKHIN, B. P. [A guide to homiletics] Rukovodstvo po gomiletike. Jordanville, N. Y., Holy Trinity Monastery, 1961. 110 p. (NIC)

BERZIN, E. O. [Catholic Church in Southeast Asia] Katolicheskaya tserkov' v Iugo-Vostochnoi Azii. Moskva, Nauka, 1966. 319 p.

BOSENKO, V. A. [Dialectic as a theory of development] Dialektika kak teoriia razvitiia. [Kiev] Izd-vo Kievskogo univ., 1966. 240 p.

[DICTIONARY OF PHILOSOPHY] Filosofiiia tekalkon. Tallinn, Eesti teadus, 1965. 402 p. [In Estonian]

EKSEKIN, P. P. [Significance of A. V. Lunacharskii in the development of Marxist-Leninist aesthetics during the Soviet period, 1917-1933. Author's abstract of a dissertation for the degree of Candidate of Philosophical Sciences] Rol' A. V. Lunacharskogo v razvitiie marksistko-leninskoi estetiki sovetskogo perioda (1917-1933 gg.). Avtoreferat dissertatsii na soiskanie uchennoi stepeni kandidata filosoficheskikh nauk. Moskva, Mysl', 1965. 16 p.

[MICROFILM]

HRUSICHIEVSKYI, MYKHAILO. Z istorii religioznoi dumky na Ukraini. From the history of religious thought in Ukraine. 2. udoskonalene vyd. Winnipeg, Ukrainian Evangelical Alliance of North America, 1962. 160 p. (CU)

IAROSIEVSKII, M. G. [History of psychology] Istoriiia psikhologii. Moskva, Mysl', 1966. 565 p.

ILARION, Metropolitan of Winnipeg and all Canada. [Pre-Christian beliefs of the Ukrainian people; a monograph on the history of religion] Dokhryshchans'ki vpravannia ukrains'koho narodu, istorichno-religiozna monografiia. Winnipeg, Nakladom vydavnychoi Komitshy Tovarystvi "Volyn", 1965. 424 p. (Volynskiana, no. 14) (OCU)

KAUSHANSKII, P. L. [Ideology and activity of Christian sects] Ideologia i deiatel'nost' khristianskikh sekt. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1965. 107 p. (InU)

KLEIMOVICH, L. I. [Knowledge vanquishes; some problems in the criticism of Islam] Znanie pobezhdaet; nekotorye voprosy kritiki Islama. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauka, tekhnika. XII Seriya: Estestvo-znanie i religii, no. 2)

KOSIDOWSKI, ZENON. [Biblical legends Translated from the Polish] Bibelskie skazania. Moskva, Politizdat, 1966. 455 p.

LENTSMAN, I. A. A. [Comparing the Gospels] Stiivangelia. Moskva, Politizdat, 1967. 160 p.

LIKHODEEV, L. I. [The place of being move] i umileniia [Moskva] Molodaiia gvardiia, 1967

LURIA, A. R., and L. S. TSVETKOVA. [Neuropsychical analysis of problem solving; disorders of the process of problem solving in focal lesions of the brain] Neipsikhologicheski analiz resheniia zadach, narusheniie protseasa resheniia zadach pri lokal'nykh porazheniakh mozga. Moskva, Prosveshchenie, 1966. 200 p.

MITROKHIN, L. N. [Baptists] Baptizm. Moskva, Izdat, 1966. 263 p. (Biblioteka "Sovremennye

NARSKI, I. S. [Philosophy of David Hume] Filosofiia Davida Humu. [Moskva] Izd-vo Mosk. univ., 1935 p.

NIKOLAEV, I., L. SMIRNOV, and I. TURCHANINIC [Initial principle of the theory of knowledge] Iak printsip teorii poznanii. Tashkent, "Uzbekist" 1966. 56 p. (CSL-R)

[OLD BELIEVERS' CHURCH CALENDAR FOR 1966] dated to the 200th anniversary of the foundation of the Lohsa Community] Starobi tucheskii t'serkov'ni kalendari' na 1966 god, povynshchatsia 200-letii osnovaniia Lohsinskogo obshchestva. VII Vysshii Starobi tucheskii Sovet v Litovskoi SSI [1965] 151 p.

OLSHICHUK, F. N. [Lent and scientific atheism] Lent i naunkovo-atel'schna propaganda Vyd-vo polit lit-ry Ukrainy, 1965. 60 p. (CaOTU)

POSNOV, M. E. [History of the Christian church, the separation of churches in 1054] Istoriiia khristianskoi tserkvi, do razdeleniia tserkvi 1054 g. Brussel' Izd-vo "Zhizn' s Bogom", 1964. 614 p. (ITASU)

REBANF, JAAN. [Social characteristics of cognitive time] Tumeine uhiskonditsii iseloomust. Tallinn, F Rammal, 1967. 125 p. [In Estonian]

SHEPTELIN, A. P. [The interrelationship of categories in materialistic dialectics] O vzaimosvynzi kategorii dialekticheskoi dialektiki. Moskva, Znanie, 1964 p. (Novoe v zhizni, nauka, tekhnika. II Seriya: Filosofiiia, no. 1) (MIU)

SIVOKHINA, T. A. [From seven to seventeen] Ot sedm do semnadtsati. [Moskva] Moskv. rabochii, 1967. 86 p.

SOKHAN', L. V. [Spiritual development of personal and communism] Dukhovnyi progress lichnosti i munitam. Kiev, Naukova dumka, 1966. 260 p.

SOLOV'EV, E. I. U. [Existentialism and the theory of knowledge] Ekzistentsializm i nauchnoe poznanie. Moskva, Vysshiaia shkola, 1966. 154 p.

SPIRKIN, A. G. [Course in Marxist philosophy] Ku marksistkoi filosofii. Izd. 2., perer. i dop. Moskva, 1966. 541 p.

TROSHIN, D. M. [Methodological problems of modern science] Metodologicheskie problemy sovremennoi nauki. Moskva, Vysshiaia shkola, 1966. 174 p.

TUGARINOV, V. P. [Communism and personality] I munitam lichnost'. Leningrad, Ob-vo "Znanie" RSFSR, 1966. 45 p.

UMAROV, M., and P. KHAMIDOV. [Criticism of the moral precepts of the Koran] Kur'onning ahklok turgislagi ta "limofning tankidi. Toshkent, Uzbek KP Markazii Komitetning birinchi nashri 1966. 35 p. (Uzbekiston SSR "Bolim" zhamanti, no. 14) [In Uzbek]

VENBERGS, J. [Old Testament in the light of contemporary science] Veca deriba mūsdienu zinātnes stāstījuma Rīga, Liepāja, 1966 193 p. [In Latvian]

VODZINSKI, E. I. [Russian Neo-Kantianism in the late 19th and early 20th century, Marxist-Leninist criticism of its ontology and gnoseology] Russ. a. neokantianstvo kontsa XIX-nachala XX v. vekov, marksistsko-leninskaja kritika ontologii i gnosologii [Leningrad] Izd-vo Leningr. univ., 1956 77 p.

VOLKOV, K. P. [A mouthful of water] Glotok vody Tashkent, Fash gvardija, 1966 56 p. (Tvoi tovarishchi)

ZHURAKHOVYCH, S. M. [Who is your friend?] Kto tyoi drug. Moskva, Politizdat, 1967. 173 p. (Vremia i ljudi)

#### 4. HISTORY

AKADEMIJA NAUK SSSR. Institut arkhologii. [Archaeological discoveries of 1965] Arkheologicheskie otkrytiia 1965 goda. Moskva, Nauka, 1966 197 p. (CAOTU)

AKADEMIJA NAUK SSSR. Institut narodov Azii [England's policy in the Near and Middle East, 1945-1965] Politika Anglii na Blizhnem i Srednem Vostoke (1945-1965) Moskva, Nauka, 1966 430 p.

AKADEMIJA NAUK UZBEKSKOI SSR. Institut istorii i arkhologii. [History of socialist Tashkent] Istoriia sotsialisticheskogo Tashkenta. Tashkent, Fan Vol 2, [1941-1955] 1941-1965 gg. 1966. 494 p.

AKADEMIJA NAUK UZBEKSKOI SSR. Institut istorii i arkhologii. [Studies on the history of the Uzbek S.S.R., 1956-1965] Ocherki istorii Uzbekskoi SSR (1956-1965 gg.). Tashkent, Fan, 1966. 231 p.

ANASIAN, A. S. [Liberation movement of western Armenia in the 17th century, a historical study. Osvoboditel'nye dvizheniia v Zapadnoi Armenii v XVII veke, istoricheskoe issledovanie. Erevan, Izd-vo Akad. nauk Armianskoi SSR] 1961. 441 p. [In Armenian] (InU)

ARTIUSHENKO, IURII. [Events and people I saw and met on my road of the struggle for national independence, 1917-1966] Podlii i ljudi na moiemu shliakhu borot'by za derzhavu, 1917-1966. [Chicago] 1966. 221 p. (InU)

ARUMAE, HEINO. [Behind the scenes of the "Baltic Alliance", from the history of the foreign policy of bourgeois Estonia in 1920-1925] Za kulissami "Baltiskogo soluza", iz istorii vneshnei politiki burzhuaiznoi Estonii v 1920-1925 gg. Tallinn, Eesti Raamat, 1966. 278 p.

ARZYMATOV, ATYGAI. [History of political relations between the Yenisey Kirghiz and Russia in the 17th and the first half of the 18th century] Iz istorii politicheskikh otnoshenii einleiskikh kirgizov s Rossiiei v XVII-pervoi polovine XVIII vv. [n p.] Izd-vo Kirgizskan, 1966. 90 p.

ASTAKHOVA, V. I. [Artem's revolutionary work in 1917 and 1918] Revoliutsionnaja delatel'nost' Artema v 1917-1918 godakh. Khar'kov, Izd-vo Khar'kovskogo univ., 1966. 178 p.

ATATURK, KAMAL. [Selected speeches and public addresses. Translated from Turkish] Izbrannye rechi i vystupleniia. Red. i vstup. stat'ia A. F. Millera. Moskva, Progress, 1966. 438 p.

BADMURZAEV, A. B. [History of social thought in Dagestan in the second half of the 19th century] Iz istorii obshchestvennoi mysli Dagestana vtoroi poloviny XIX veka. Makhachkala, Dagestanskii filial AN SSSR, 1965 238 p.

BALKOVII, P. M. [A flankless war, the insurrectional and guerrilla struggle of the Ukrainian people against the White Guards and foreign interventionists in 1918-1920] Vlna bez flanhiv; partyzans'ko-povstans'ka borot'ba ukrains'koho narodu proty bilohvardistsy ta interventiv u 1918-1920 rr. Kyiv, Naukova dumka, 1965. 300 p.

BARTOLD, V. V. [Works] Sochineniia. Moskva, Nauka, Vol. 6, [Studies in the history of Islam and the Arabian Caliphate] Raboty po istorii Islama i Arabskogo khalifata. 1966. 784 p.

[BATTLE OF POLTAVA] Poltava'ska bitva Kyiv, Derzh. vyd-vo obraz. myslstva i muz. It-ry URSS, 1960 1 v. (chiefly illus.) (InU)

[THE BATTLE OF SMOLENSK, 1812-1815] Smolenskoe srazhenie, 1812-1815. [Smolensk, Soluz zhurnalistov SSSR, 1966] 90 p.

BORISOV, I. V. [Recent history of France, 1917-1964] Novelskaja istoriia Frantsii, 1917-1964. Moskva, Prosveshchenie, 1966 254 p.

[THE CITY OF OREL IS 400 YEARS OLD] Gorodu Orlu 400 let. Tula, Priokskoe knizhnoe izd-vo, 1966 154 p.

DAKHSHLEIGER, G. F. [The October Revolution and the oppressed peoples of prerevolutionary Russia] Oktiahr'skaja revoliutsiia i ugnennyye narody tsarskoi Rossii. Moskva, Znanie, 1967 47 p. (Novoe v zhizni, nauke, tekhnike i Seriia Istoriia, no 2)

DOERNBERG, STEFAN. [The birth of a new Germany, 1945-1949. Translated from the German] Rozhdenie novoi Germanii, 1945-1949. Vstup. stat'ia G. S. Sogomoniiana, red. E. N. Petrunin. Moskva, Izd-vo Inosti. lit-ry, 1962. 527 p. (OU)

[DVALADZE, PARTISAN OF LITHUANIA. Translated from Lithuanian] Dvaladze - partizan Litvy. Vilnius, Gazetno-zhurnal'noe izd-vo, 1965. 20 p.

DZIDZARIA, G. A., and others. [Fighters for Soviet power in Abkhazia] Bor'tsy za Sovetskuiu vlast' v Abkhazii. Sukhumi, Alasharia, 1965. 262 p. (MIU) (NIC)

EREMEEV, L. M. [Through the eyes of our friends and enemies, the role of the Soviet Union in the defeat of fascist Germany] Glazami duzei i vragov: o roli Sovetskogo Soluza v razgrome fashistskoi Germanii. Moskva, Nauka, 1966. 271 p. (Vtoraia Mirovai voina v issledovaniakh, vospominaniakh, dokumentakh)

ERMAN, L. K. [The intelligentsia in the first Russian revolution] Intelligentsiia v pervoi russkoi revoliutsii. Moskva, Nauka, 1966. 372 p.

ERYKALOV, E. F. [The October armed uprising in Petrograd] Oktiahr'skoe vooruzhennoe vosstanie v Petrograde. [Leningrad] Lenizdat, 1966. 487 p.

FROLDIN, N. M. [The peasantry in the Algerian Revolution, 1954-1962] Krest'ianstvo v alzhirskoi revoliutsii, 1954-1962. Kiev, Naukova dumka, 1967. 124 p.

GIOEV, M. I. [Efforts of the Bolsheviks of the Terek Valley to solve the agrarian question in the period of the victory of the socialist revolution and establishment of the Soviet regime, March 1917-February 1918] Bor'ba bol'shevikov Tereka za razreshenie agrarnogo voprosa v period pobedy sotsialisticheskoi revoliutsii i ustanovleniia Sovetskoi vlasti (marts 1917-fevral' 1918 gg.). Ordzonikidze, 1966. 173 p.

[HISTORY OF THE MIDDLE AGES IN TWO VOLUMES] Istoriia srednikh vekov v dvukh tomakh. Pod red. S. D. Skazkina i dr. Moskva, Vysshiaia shkola. Vol. 2, 1966. 386 p.

IAKUTSKAIA RESPUBLIKANSKAIA BIBLIOTEKA. [G. M. Vasilievich, an outstanding student of the Tungus; on her 70th birthday] G. M. Vasilievich - krupnoi shi sovetskii tungusoved; k 70-letiiu so dnia rozhdeniia. Iakutsk, Iakutskoe knizhnoe izd-vo, 1965. 45 p.

IGNAT'EV, O. K. Tiradeniia. [Moskva] Molodaiia gvardiia, 1966. 171 p. (Zhizn' zamchatel'nykh liudei, Seriia biografi, no. 10(426))

IL'IN, M., and E. A. SEGAL. [How man became a giant] Kak chelovek stal veikanom. Moskva, Detskaiia lit-ra, 1967. 606 p.

INSTITUT ISTORII PARTII, Leningrad. [Petrograd Bolsheviks in three revolutions] Petrogradskie bol'sheviky v trekh revoliutsiiakh. [By] N. A. Ivanov i dr. [Leningrad] Lenizdat, 1966. 461 p.

[THE ITALIAN RENAISSANCE] Ital'ianskoe Vozrozhdenie; sbornik statei. [Leningrad] Izd-vo Leningr. univ., 1966. 140 p.

KALOEY, G. G. [They made Iriston famous] Oni proslavili Iriston. Ordzonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1966. 51 p. (CS-II)

KANDEL', B. I. [History of foreign countries; a bibliography of Russian bibliographies published in 1957-1965] Istoriia zarubezhnykh stran; bibliografiia russkikh bibliografi, opublikovannykh s 1957 po 1965 god. Moskva, Kulga, 1966 255 p.

KARRYEV, A., ed. [History of Turkmenistan] Istoriia Turkmenistana. Ashkhabad, Izd-vo Turkmenistan, 1966. (MU)

KHAKHUTAISHVILI, DAVID. [Upitastikhe; results of an archaeological investigation of 1957-1964. Upitastikhe, rezultaty arkheologicheskikh issledovaniy 1957-1964 gg. Tbilisi, Metanlerebi] Vol. 1. 1964. 1 v. [In Georgian] (MI)

KRIPICHNIKOV, A. N. [Ancient Russian weapons] Drevnie russkie oruzhie Moskva, Nauka. Nos 1-2 1966 2 v. (Arkheologiya SSSR, E1-36) (CS-II)

KOSOVA, G. R. [Pictorial art in the teaching of history] Izobrazitel'noe iskusstvo v prepodavanii istorii. [Moskva, Prosveshchenie, 1966] 174 p. (CS-II)

KOTOVICH, V. M. [The upper Guntib settlement; a monument of the Bronze Age of mountainous Dagestan, a contribution to the history of Dagestan tribes of the end of the third and second millennia B.C.] Vorkhne-guntibskoe poselenie - pamiatnik opokhi bronzovogo veka v Dagestane, k istorii dagestanskikh plemen v kontse III-II tysyachelotiiakh do n. e. Makhachkala, Akad. nauk SSSR, Dagestanskii filial, 1966. 250 p. (CS-II)

KRICHEVNIK, E. M. [A soldier's glory] Soldatskaia slava. Ulan-Ude, Buriat'skoe knizhnoe izd-vo, 1966. 117 p. facsim. (CS-II)

KRIVICH, G. D. [The women snipers of Leningrad] Zhenshchiny-snaypery Leningrada. Leningrad, Ob-vo "Znanie" RSFSR, 1966. 39 p.

KUZ'MINA, E. E. [Metallic articles of the Aeneolithic period and the Bronze Age in Central Asia] Metallicheskie izdeliia eneolitia i bronzovogo veka v Srednei Azii. V sostavlenii avoda priniimai uchastie A. A. Marushechenko i dr. Moskva, Nauka, 1966. 140 p. (Arkheologiya SSSR, avod arkheologicheskikh issledovaniy, no. 114-9)

LARICHEV, V. E. [Secret of a stone tulle; a documentary tale about an archaeological study] Tajna kamennoi cherepakh; dokumental'naiia povest' ob odnom arkheologicheskoi put'skoi. [Novosibirsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1966. 250 p.

[LENIN AND THE UL'IANOV FAMILY IN PODOLOSK] Lenin i Ul'ianovy v Podolske. [Moskva, Mosk. rabochii, 1967] 247 p.

[LENIN GUARDS OF OUR PLANET; stories about V. I. Lenin's companions in arms and contemporaries] Lenin'skaja gvardiia planety; rasskazy o sovratnikakh i sovremennikakh V. I. Lenina. Moskva, Politizdat, 1967 502 p.

LOSEV, E. F. [Koknese] Koknese, Latvianskoe gos. izd-vo, 1957. 74 p.

LUGANSKII GOSUDARSTVENNYI KRAEVEDCHESKII MUZEI. [Lugansk State Regional Museum; a guide] Luganskii gosudarstvennyi kraevedcheskii muzei; putevoditel'. [Lugansk] Donetskoe knizhnoe izd-vo, 1963. 133 p. (MI)

L'VOVSKII TORGGOVO-EKONOMICHESKII INSTITUT. [Along Lenin's path; summaries of the reports of a scientific conference dedicated to the 60th anniversary of the birth of V. I. Lenin] Po leninskoiu puti; lexits dokladov nauchnoi konferentsii, posvyashchennoi deviatostoshetiiu so dnia rozhdeniia V. I. Lenina, 20-21 aprilia. L'vov, 1966. 68 p. (CS-II)

MACEVICIUS, K. [The grain ripened a long time] Ngal branditas grudas. Vilnius, Vaga, 1964. 321 p. [In Lithuanian] (MI)

[MANCHU RULE IN CHINA] Mantszhurskoe vladychestvo v Kitae. Moskva, Nauka, 1966. 385 p.

- MAS'KO, V.A. [Historical circumstances which necessitated V.I. Lenin to write "Materialism and Empirio-criticism", a summary of lectures] Istoričeskaja obščina, obščestvennaja neobkhodimost' napisaniia V.I. Leninykh knigi "Materializm i empiriokrititsizm", konpekt lektsii. Uzhgorod, Uzhgorodskii gos.univ., 1984. 20 p. (CST-II)
- MAVRODIN, V.V., ed. [The peasant war in Russia in 1773-1775; the Pugachev uprising] Krest'ianskaia volna v Rossii v 1773-1775 godakh, vosstanie Pugacheva [Leningrad] Izd-vo Leningr. univ. Vol 2 1966 511 p.
- MEDVEDEV, B.L. [Witness for the prosecution] Svidetel' obvineniia. Moskva, Iskustvo, 1966. 107 p.
- MEDVEDEV, N.A. [There were 68 of us. As told to Ivan Zhigalov] Nas bylo 68. Literaturnai zapis' Ivana Zhigalova. Izd. peier. i dop. Moskva, DOSAAF, 1966. 79 p.
- MEL'NIKOV, A.D. [How the "Iskra" ("Spark") flared up, three documentary essays about V.I. Lenin] Kak raz-gornias' "Iskra", tri dokumental'nykh ocherka o V.I. Lenine. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauke, tekhnike X Seriya Molodezhnaya, no. 4)
- METLITSKI, B.G. [Again in Petrograd, V.I. Lenin's visit to Petrograd, March 12-13, 1919] Svoia v Petrograde, o prebyvanii V.I. Lenina v Petrograde 12-13 marta 1919 goda. [Leningrad] Leningrad, 1966. 102 p.
- MILIOVSKII, M.P. [Crimes of imperialism against humanity] Prestupleniia imperiializma protiv chelovechestva. Leningrad, 1966. 38 p.
- MINTS, I.I., and I.A. CROSSL, eds. [The revolutionary movement in 1917 and the establishment of Soviet power in Moldavia] Revoliutsionnoe dviženie v 1917 godu i ustanovlenie Sovetskoi vlasti v Moldavii. Kladnev, Kavtia Moldoveniaske, 1964. 620 p. (CaBvau)
- MOISEVA, O.N. [The soviets of peasant deputies in 1917] Sovety krest'ianskikh deputatov v 1917 godu. Moskva, Nauka, 1967. 204 p.
- NADIEV, R.N. [The Tashkent uprising of 1947 and its socioeconomic premises] Tashkent'skoe vosstanie 1947 g. i ego sotsial'no-ekonomicheskie predposylki. Tashkent, Fan, 1966. 78 p.
- NEVINS, ALLAN, and HENRY S. COMMAGER. [History of the United States of America. Translated from the English] Istoriia Sostannenykh Shtatov Ameriki. New York, F.A. Praeger [1961] 593 p. (GEU)
- [PAGES FROM THE HISTORY OF TARTU] Lehekülgi Tartu ajalooist. [Tallinn] Eesti Raamat, 1964. 189 p. [In Estonian]
- PALLI, HELDUR. [Between the two battles of Narva; Estonia in the first years of the Northern War, 1701-1704] Mezhdu dvynia bitai na Narve; Estoniia v pervyye gody Severnoi volny 1701-1701. Tallinn, Akad. nauk Estonskoi SSR, 1966. 342 p.
- PARKHOMCHUK, S.M. [The Rumanian people conclude the building of socialism] Rumuns'kiy narod zavershaet budniystvo sotsializmu. Kyiv [Radnianska Ukraina] 1963. 44 p. (CaOTU)
- PERECHNEV, I.U.G., and I.U.A. VINOGRADOV. [Guarding the sea horizons] Na strazhe morskikh gorizontov. Moskva, Voenizdat, 1967. 303 p.
- PHIDO-PRABOBEREZHYI, F. [The Great Patriotic War] Velyka vitchyzniana voina. Winnipeg, Vyd. Novoho shkolahu, 1954. 229 p. (Politychno-vyzvol'na biblioteka, no. 2(6)) (CoU)
- PLOTNIKOV, I.F. [Ten thousand heroes, a legendary raid of Ural region guerrillas led by V.K. Blukher] Desiat' tysach heroev; legendarnyi raid uralskikh partizan vo glave s V.K. Blukherom. Moskva, Nauka, 1967. 213 p.
- POKROVSKII, M.N. [Selected works in four books] Izbrannye proizvedeniia v chetyrekh knigakh. Pod obshchey red. M.N. Tikhomirova, V.M. Khvostova, O.D. Sokolova. Moskva, Mysl'. Book 1. [Russian history from the ancient period (vols. 1 and 2)] Russkaya istoriia s drevneishikh vremen (toma I i II). 1966. 725 p.
- POPOVA, E.I. [U.S.A.: struggle with foreign policy problems, 1919-1922] SSHA: bor'ba po voprosam vneshnei politiki 1919-1922 gg. Moskva, IMO, 1966 350 p.
- POTEKHIN, M.N. [The first soviet of the proletarian dictatorship] Pervyi Sovet proletarskoi diktatury [Leningrad] Leningrad, 1966 338 p. (Ocherki po istorii Petrogradskoi Soveta rabochikh i soldatskikh deputatov 1917-1918 gg.)
- [PREPARATIONS FOR THE 50TH ANNIVERSARY OF THE GREAT OCTOBER SOCIALIST REVOLUTION, decision of the Central Committee of the CPSU of January 4, 1967] O podgotovke k 50-letliu velikoi Oktabskoi sotsialisticheskoi revoliutsii, postanovlenie TsK KPSS ot 4 ianvaria 1967 goda. Moskva, Politizdat, 1967. 30 p.
- RIPETS'KYI, STEPAN. [Ukrainian-Polish case before the court of world public opinion] Ukrainas'ko-pol'skyl protses 1918-1923 porid svitovym trybunalom. New York, Ukr. publitsychno-nauk. in-t, 1963. 39 p. (InU)
- RODIMITSEV, A.I. [Mashen'ka from Myshelovka] Mashen'ka iz Myshelovki. Moskva, Voenizdat, 1955 91 p.
- ROSLIAKOV, A.A. [Origin of the Turkmen people. Proiskhozhdenie turkmen'skogo naroda. Ashkhabad, Ob-vo po rasprostraneniui polit. i nauchn. znaniy Turkmen'skoi SSR] 1962. 33 p. [In Turkmen] (MII)
- RZHEVSKAIA, E.M. [Berlin, May 1945] Berlin, mai 1945. izd. dop. Moskva, Sov. pisatel', 1967. 366 p.
- SHALEKENOV, U.KII. [The Kazakhs in the lower Amu Darya Valley, history of relations among the peoples of Kara-Kalpakia in the 18th-20th centuries] Kazakhi nizov'ev Amudarii, i istoiia vzaimootnoshenii narodov Karakalpakii v XVIII-XX vv. Tashkent, Fan, 1966. 334 p.
- SHARAEV, N.S. [Operation Prigor'ye] Prigor'evskaya operatsiia. [Moskva] Mosk. rabochi, 1966. 202 p.
- SHARIPOV, A.I. [That's the way it was during the war] Tak bylo na voine. Moskva, DOSAAF, 1966. 109 p. (CST-II)
- SHERESHEVSKII, B.M. [The defeat of Semenov units, April-November 1920; role of the Far East Republic in the struggle for the elimination of the "Chita block" and the unification of the Far East] Razgrom semenovskikh (aprel'-noiabr' 1920 g.); o roli Dal'novostochnoi respubliky v bor'bu za likvidatsiiu "Chitinskoi protsi" i ob'edinenie Dal'nego Vostoka. Novosibirsk, Nauka, 1968 238 p.
- SHEVCHENKO, L.A. [The development of Soviet Ukrainian culture, 1959-1965] Rozvytok ukrainskoi Radnianskoi kul'tury v 1959-1965 rr. Kyiv, Naukova dumka, 1967. 149 p.
- SICHYNS'KYI, VOLODYMYR. [The Rozatani; their name, sources, history, territory, study, archaeological finds, culture, and hieroglyphic writing] Rozatiana, dzherela, nazva, istoriia, teritoriiia, nays, arheologichni znakhidky, kul'tura, znakovy pis'mo. London, Ukrainian Pub. 1957. 66 p. (OCI)
- SLOBOZHIAN, I.I. S.I. Murav'ev-Apostol. [Leningrad] Leningrad, 1967. 38 p. (Uzniki Petropavlovskoi kreposti)
- [STUDIES IN THE MODERN HISTORY OF AFGHANISTAN] Ocherki po novoi istorii Afganistana. Tashkent, Fan, 1966. 130 p.
- SUPRUNENKO, M.I. [Sketches of the civil war and foreign intervention in the Ukraine, 1918-1920] Ocherki grazhdanskoi volny i inostrannoi intervetsii na Ukrainu, 1918-1920. Moskva, Nauka, 1966. 464 p. (InU)
- TOLOCHKO, P.P. [Ancient Kiev] Starodavnyi Kyiv. Kyiv, Naukova dumka, 1966. 82 p. (Naukova-popul'narna literatura)
- UL'IANOVSKAIA, V.A. [Formation of the scientific intelligentsia in the U.S.S.R., 1917-1937] Formirovanie nauchnoi intelligentsii v SSSR 1917-1937 gg. Moskva, Nauka, 1968. 213 p.
- UTRENEV, V. [The siege of Azov; a heroic page from our history] Azovskoe sieden; heroicheskaia stranitsa nashoi istorii. New York, 1964. 11 p. (NIC)
- VINOGRADOV, I.N. [Summer lightning of the upper Volga region] Zarnitay Verkhnego Povolzh'ia. Iaroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1966. 125 p. (CST-II)
- ZALIALOV, A.M., ed. [Problems of the history and literature of the peoples of the middle Volga Valley] Voprosy istorii i literatury narodov Srednego Povolzh'ia sbornik statei. Kazan', Akad. nauk SSSR, 1965. 124 p. (MIU)
- ZARETSKAIA, D.V., O.F. NECHAEVA, and M.V. SKOBELEVA. [The apartment at No. 1 Serdobol'skaya Street, a guidebook] Kvartira na Serdobol'skoi ulitse, 1; polevoditel'. [Izd. 3, ispr. i dop. Leningrad] Leningrad, 1966. 40 p. (Memorial'nye muzei V.I. Lenina v Leningrade)
- ZEL'MA, G. Stalingrad, Iul' 1942-fevral' 1943 goda. Stalingrad, Iul' 1942-Februari 1943. Fotoreportazh Georgii Zel'my. Tekst Konstantina Simonova. [n.p.] Izd-vo Agentstva pechatii "Novosti" [n.d.] 1 v. (chisly illus.). [Parallel texts in Russian and English]
- ZOLOTOFRUBOV, A.M. [The first watches, sketches] Pervye vakhity, ocherki. Moskva, Voen. izd-vo, 1958. 109 p. (NIC)

## 5. SOCIAL SCIENCES

- [ABOUT OUR WOMEN] O nashikh zhenshestvakh. [Syklyvkar] Kom knizhnoe izd-vo, 1966. 157 p. (NIC)
- [ACHIEVEMENTS OF SCIENCE: GEOGRAPHY OF THE U.S.S.R.] Digi nauki: Geografiia SSSR, Moskva, No. 3. Pokshitshevskaia, V.V. [Geography of the population in the U.S.S.R.] Geografiia naseleniia v SSSR. 1966. 167 p. (Serifa Geografiia)
- AKADEMIA NAUK SSSR. Institut narodov Azii. [Culture of modern India] Kul'tura sovremennoi Indii. Moskva, Nauka, 1966. 213 p.
- ALEKSEEV, T.D. [Lease of commercial premises] Arenda torgovykh pomeshtenii Moskva, Ekonomika, 1966. 70 p.
- ANDREEV, M.A. [Organization of labor on the collective farms of Chuvashia] Organizatsiia truda v kolhozakh Chuvashii. Chuvashskii knizhnoe izd-vo, 1965. 110 p. (InU)
- ANDREIEVA, I.U.V. [Family affairs, notes of a lawyer] Dola semei'nye, zametki iurista. Peti zavodsk, Kait'skoe knizhnoe izd-vo, 1966. 102 p.
- ANDRIANOV, V.M., and V.A. BUGROV. [Economics of petroleum refining and technological progress] Ekonomika neftopererabotki i tekhnicheskii progress. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 173 p.
- BAHMUT, I.A., and P.M. SHIMORHUN. [Publication of the works of K. Marx and F. Engels in the Ukraine; bibliographic index] Vydannia tvoriv K. Marksa i F. Engela na Ukraini; bibliografichni pokazhchyky. Vyd. 2., dop. Kharkiv, Red.-vyd. vididi knyzhkovoi palaty URSR, 1965. 70 p. (CST-II)
- DALDWIN, JAMES. [Nobody knows my name. Translated from English] Nkhto na znate moie imeni, Kyiv, Molod', 1965. 60 p. (Ochynna avidky)
- DARKOVSKI, N.D., and K.S. KARTASHOVA. [Credit planning in the U.S.S.R.] Kreditnoe planirovanie v SSSR. Moskva, Finansy, 1966. 242 p.
- DARSUK, V.A., and N.M. GUDIN. [Mathematical methods of planning and management in the communication system] Matematicheskie metody planirovaniia i upravleniia v khoziaistve svyazi. Moskva, Svyaz', 1968. 339 p.
- DASHKIN, A.V., and I.U.V. KUZNETSOV. [A talk not entered into the minutes] Razgovor bez protokola. Leningrad, Ob-vo "Znanie" RSFSR Leningr. organizatsiia, 1966. 31 p.
- BELOV, I.I. [Raised from the ruins; historical essays on the restoration and development of the oldest cities of Russia, 1943-1953] Podniatie iz ruini; istoricheskie ocherki vosstanovleniia i razvitiia staroishikh gorodov Rossii, 1943-1953 gg. Moskva, Stroitzdat, 1960. 240 p.

- BERKHB, I B. [Basic stages in the development of Soviet society] *Osnovnye etapy razvitiya sovetskogo obshchestva* Moskva, Znaniye, 1967. 61 p. (Nauchny zhurnal, nauka, tekhnika i tsennosti istoriya no 1)
- BIRN, B. V. [Organization of tool production in the enterprises of the Latvian S.S.R., a survey] *Organizatsiya instrumentalnogo proizvodstva na predpriyatiyakh Latvii S.S.R.* Obzor, Riga, Latvii H respubl. nauchno-tekhn. informatsii i propagandy, 1966. 56 p.
- BLESHEKOV, A. M. [Analysis of the managerial operations of collective and state farms] *Analiz khozdistvennoy deyatelnosti sovkhovov i kolkhovov*, Moskva, Finansy, 1966. 295 p.
- BOBORYKIN, S. G., and M. A. ZELIKSON. [Problems in the organization of wages, in enterprises of the machine and the metalworking industry of the U.S.S.R. A reference aid] *Voprosy organizatsii zarabotnoy platy, na predpriyatiyakh mashinostroitel'noy i metalloobrabatvalushchey promyshlennosti SSSR*, Spravochnik posobit. Leningrad, Sudostroenie, 1966. 479 p.
- BOGOLUBOV, L. A. [Formation of the nomenclature plan for production in a business enterprise] *Formirovaniye nomenklaturnogo plana proizvodstva po firmennomu ob'edineniyu*, Riga, Latvii H respubl. nauchno-tekhn. informatsii i propagandy, 1966. 10 p. (Nauchnaya organizatsiya truda)
- BRIL', R. I. A., and I. M. KHEISTER. [Economics of socialist power resources] *Ekonomika sotsialisticheskoy energetiki*, Moskva, Vysshaya shkola, 1966. 447 p.
- BRONSTEIN, MIHAIL. [Balancing the level of collective farm production] *Kolhoosootootsise taseme ulustamine*, Tallinn, Eesti Raamat, 1966. 256 p. digr. (userty) [In Estonian]
- BUSHMAKIN, A. M. [Development of the state budget of the Udmurt A.S.S.R.] *Razvitiye gosudarstvennogo byudzheta Udmurtskoy ASSR*, Izhevsk, Udmurtiia, 1966. 106 p.
- [CHEMISTS, BUILDERS, CREATORS] *Khimiki, stroiteli, izobrety*. Ufa, Bashkirskoye knizhnoye izd-vo, 1960. 74 p.
- CHERKASOV, G. M. [Scientific labor organization, objectives, contents and methods] *Nauchnaya organizatsiya truda; tseli, soderzhanie, metody*. [Moskva] Profizdat, 1967. 117 p.
- CHERNENKO, M. S. [Significance of electrification in the creation of a material and technical foundation for communism, an economic outline based on the agriculture of the Ukrainian S.S.R.] *Znacheniya elektrifikatsii u stvorenni material'no-tekhnicheskoy bazy kommunizmu, politekhnicheskyy narys na materialakh sil'skoho hospodars'tva URSR*. [Kyiv] Vyd-vo Kyiv's'koho univ., 1964. 250 p. (Ned)
- CHIEVACHIN, V. A. [Scientific labor organization in the Riga Car Building Plant] *Nauchnaya organizatsiya truda na Rizhskom vagonostroitel'nom zavode*, Riga, Latvii H respubl. nauchno-tekhn. informatsii i propagandy, 1966. 22 p. (Nauchnaya organizatsiya truda)
- CHUMACHENKO, N. G. [Standard accounting for production in instrument manufacturing] *Normativnyi uchet proizvodstva v priborostroenii*, Moskva, Mashinostroenie, 1966. 205 p.
- [THE COLLECTIVE FARM IS A SCHOOL OF COMMUNISM FOR THE PEASANTRY, a comprehensive social study of the "Rossiia" collective farm] *Kolkhoz - shkola kommunizma dlia krest'ianstva, kompleksnoe sotsial'noe issledovanie kolkhoza "Rossiia."* Moskva, Mysl', 1965. 358 p. (Sotsiologiya i zhizn')
- DEDKOV, E. P. [Accounting in public institutions and its centralization] *Bukhgalterskii uchet v budzhethnykh uchrezhdeniyakh i ego tsentralizatsiya*, Moskva, Finansy, 1966. 243 p.
- DENISOV, I. P., and V. P. KULAKOV. [Democratic principles of collective-farm management] *Demokraticheskie osnovy upravleniya kolkhozami*, Moskva, Kolos, 1966. 118 p.
- DENISOV, V. V. [Fight hoolliganism!] *Khuliganstvu - bol'sh* [Moskva] Mosk. rabochi, 1966. 79 p. (V pomoshch' agitatoru i propagandistu)
- [DEVELOPMENT OF THE NATIONAL ECONOMY OF KIRGIZSTAN; a short study] *Razvitiye narodnogo khozaystva Kirgizii; kratkii ocherk* [Frunze] Izd-vo Kirgizstan, 1966. 565 p.
- DMITRIYEV, I. [Not at all Wunderkinder] *Sovsem ne wunderkinder* [Moskva] Molodiy geydint, 1966. 111 p. (Rovestnik shagov na planete)
- DOMBROVSKAYA, Z. A., and L. A. TARIVTERJEV. [Organization and planning of wholesale trade in textiles] *Organizatsiya i planirovaniye optovogo torgovli tekstil'nymi tovarami*. [Izd. 2., perer.] Moskva, Ekonomika, 1965. 187 p. (CU)
- DOROGUCHINSKII, A. Z. [Contribution of Gvoznyy residents to the development of petroleum refining and petrochemical industries of the U.S.S.R.] *Vklad gvoznyntsev v razvitiye neftepererabatyvalushchey i neftekhimicheskoy promyshlennosti SSSR* [Gvozny] Checheno-Ingushskoye knizhnoye izd-vo, 1962. 81 p. (K istorii narodov Checheno-Ingusheti) [MICROFILM]
- DOSTAL', A. A. [Socialist reorganization and development of the monetary-credit system of Czechoslovakia] *Sotsialisticheskoye preobrazovanie i razvitiye denegno-kreditnoy sistemy Chkchoslovakii*, Moskva, Nauka, 1967. 184 p.
- DROBIZHEV, V. Z. [Main headquarters of socialist industry; essays on the history of the All-Russian Council of National Economy, 1917-1932] *Glavnyy shtab sotsialisticheskoy promyshlennosti, ocherki istorii VSNKh, 1917-1932 gg*, Moskva, Mysl', 1966. 283 p.
- DROZDOV, A. V. [Man and social relations] *Chelovek i obshchestvennye otnosheniya*. [Leningrad] Izd-vo Leningr. univ., 1966. 123 p.
- DVORKIN, I. N., ed. [Criticism of the theories of modern bourgeois economists, R. Trenchard, G. Mennet, P. Samuelson, S. Kuznets] *Kritika teorii sovremennykh burzhuaznykh ekonomistov*, R. Trenchard, G. Mennet, P. Samuelson, S. Kuznets [By I. N. Dvorkin i dr.], Moskva, Mysl', 1966. 246 p.
- [ECONOMIC HISTORY] *Ekonomicheskaya istoriya*, Moskva, Ekonomika, 1967. 553 p.
- [ECONOMICS OF FOREST MANAGEMENT OF THE U.S.S.R.] *Ekonomika lesnogo khozaystva SSSR*. Pod red. P. V. Vasil'eva, 2., dop. i perer. izd. Moskva, Lesnaya promyshlennost', 1965. 370 p. (CSI-H)
- [ECONOMY OF SOCIALIST COUNTRIES IN FIGURES, 1965, a concise statistical abstract] *Ekonomika sotsialisticheskikh stran v tsifrakh 1965 god, Prilozheniye statisticheskikh sbornika*, Moskva, Mysl', 1966. 235 p.
- EESTINSKY TEADUSTE AKADEEMIA. Majanduse Institut [Concentration and distribution of production in some branches of the industry of the Estonian S.S.R.] *Toolumise kontsentratsiooni ja jaotumise monekes Eesti NSV tootusvirkudes*, Tallinn, Eesti Raamat, 1967. 179 p.
- EGURNOV, G. P. [Economics of the mining industry] *Ekonomika gornoy promyshlennosti*, Moskva, Nedra, 1966. 223 p.
- ELEONSKII, V. A. [Supervisory commissions] *Nabliudatel'nye komissii*, Moskva, Iurid. lit-ra, 1966. 125 p.
- ELMI, URVE. [Why we must raise labor productivity] *Mysl' na vaya koovijakust tosta*, Tallinn, Eesti Raamat, 1966. 19 p. (NLKP XXIII kongress otsustas) [In Estonian]
- EVSTIGNEEVA, L. P. [The gross national product and the relationship of the value of capital assets to the value of production] *Fondoenkosti i struktura obshchestvennogo produkta*, Moskva, Mysl', 1967. 133 p.
- EZHOV, A. I. [Industrial statistics] *Statistika promyshlennosti*, Izd. 4., perer. i dop. Moskva, Statistika, 1966. 408 p.
- FEDORENKO, N. T. [Japanese notes] *Japonskie zapiski*, Moskva, Sovetskii pisatel', 1966. 412 p.
- FOMINYKH, V. N. [The value of "invisible" income, public consumption funds and the growth of the material well-being of the people] *T'sena "nevidimyykh" dokhodov; obshchestvennye fondy potrebleniya i rost material'nogo blagostoystoiannya naroda*, [Sverdlovsk] Sverdlovskoye knizhnoye izd-vo, 1963. 50 p. (CSI-II)
- [FOR THE FIVE-YEAR PLAN, OUR LABOR AND ENERGY; visual aid from the materials of the 23d Congress of the CPSU] *Platletke - nash trud i energiya, angliyskoye posobie po materialam XXIII s'ezda KPSS*, Moskva, Politizdat, 1966. 16 plates (chiefly digr.). In portfolio, (CSI-H)
- GALETSKAYA, R. A. [Statistics on the achievements of socialist countries] *Statistika osiignokh sotsialisticheskikh stran*, Moskva [Statistika] 1966. 55 p. (Statistika dlia vsekh)
- GANKOVSKII, I. V. [The nationalities problem and national movements in Pakistan] *Natsional'nyi vopros i natsionalnyi dvizheniya v Pakistane*, Moskva, Nauka, 1967. 287 p.
- [GEOGRAPHY OF THE POPULATION AND POPULATED PLACES OF THE U.S.S.R.] *Geografiya naseleniya i naselennykh punktov SSSR*, Leningrad, Nauka, 1967. 291 p.
- GONCHARENKO, V. P. [Industrial safety in work areas, control, comprehensive plans, public inspection] *Otkritiye i tuda na rabochikh mestakh, kontrol', i ompleksoye plany, obshchestvennyye inspektsii*, [Moskva] Profizdat, 1966. 45 p. (Biblioteka profsovnogo aktivista, no. 36 (ish))
- GORDECHUK, A. N. [The work of party organizations in the further development of the creative initiative and activity of the working class in industrial management] *Deyatelnost' partynnykh organizatsii po dal'neyshemu razvitiyu tvorcheskoy initsiativy i aktivnosti rabochego klassa v upravlenii proizvodstvom*, [Petrozavodsk-Kamchatka], Dal'nevostochnoye knizhnoye izd-vo, 1966. 62 p. (V pomoshch' propagandistu) (CSI-II)
- GORDIENKO, A. S., and I. O. LAYV. [Collection of problems on financing and funding credit to state commerce] *Sbornik zadach po finansirovaniyu i kreditirovaniyu gosudarstvennogo tovgovli*, Kiev, Tekhnika, 1965. 180 p.
- GORODTSKII, E. S. [The law of value in collective-farm production] *Zakon stoimosti v kolkhoznom proizvodstve*, [Moskva] Izd-vo Mosk. univ., 1967. 143 p.
- GURVICH, S. N. [The labor movement and the left bloc in France, 1921-1926] *Rabocheye dvizheniye i levyy blok vo Francii, 1921-1926*, Moskva, Nauka, 1966. 195 p.
- IGNATOVSKII, P. A. [Social and economic changes in the Soviet village] *Sotsial'no-ekonomicheskie izmeneniya v sovetiskoy derevne*, Moskva, Nauka, 1966. 400 p.
- [IN A COMMON SECTOR OF WORK] *Na edinom uchastke [Rostov-na-Donu] Rostovskoye knizhnoye izd-vo, 1966. 75 p.*
- ISBAKH, A. A. [Studies about the Komsomol] *Rasskazy o Komsomole*, Moskva, Znaniye, 1967. 65 p. (Rokov v zhizni, nauke, tekhnike, X Seriya Molodezhnits, 1/2)
- ISTOMIN, L. I., and L. I. IGNAT'Y. [Use of mathematical methods and electronic computers in management] *Priimeneniye matematicheskikh metodov i EVM v upravlenii*, Moskva, Ekonomika, 1966. 71 p. (Biblioteka khozaystvennogo rukovoditel'ia)
- IVANOV, N. V. [Organization of the supply of agricultural enterprises] *Organizatsiya snabzheniya sel'skoy khozaystvennykh predpriyatiy*, Moskva, Vysshaya shkola, 1965. 258 p. (CU)
- IZBITSKII, L. M. [Amidling and control in consumer cooperatives] *Rovizliya i kontrol' v potrobitelskoy kooperatsii*, Moskva, Ekonomika, 1966. 311 p. (MH-L)
- JANES, H. [Occupational hygiene of women workers] *Naletooslo kushingigieny*, Tallinn, Vahuriklik Sanitaarhariduse Majja, 1965. 29 p. [In Estonian]
- KAAKIK, J., and V. PALM. [On the planned guidance of socialist economy and the system of economic levers] *O planovom rukovodstve sotsialisticheskoy ekonomiki i sisteme ekonomicheskikh ryukugov*, Tartu, Tartuski gos. univ., 1964. 24 p. (Material dlia obsuzhdeniya)
- KABANOV, P. I., and others. [Outline history of the working class, 1917-1965, an aid for the teacher] *Ocherki istorii rabuchego klassa, 1917-1965 gg.; posobie dlia uchitel'a*. Pod red. P. I. Kabanova, Moskva, Prosveshcheniye, 1966. 317 p. (Int)
- KANEVSKII, E. M. [Extraordinary trip of an ordinary customer] *Nechaykovennoye puteshchestvie obyknovennogo pokupatelya*, [Moskva] Mosk. rabochi, 1966. 79 p. (V pomoshch' agitatoru i propagandistu)
- KAPLAN, I. M. [Economics of construction organizations under the conditions of pay for the construction project as a whole] *Ekonomika stroitel'nykh organizatsii v usloviyakh raschetov za ob'ekt v tselom*, Moskva, Stroizdat, 1967. 154 p.



- ARATAEV, N. K.** [Economics, the bourgeois political economy] *Economics - bu zhuiznaya politikonomika* Moskva, Nauka, 1966 260 p (CS-11)
- BAZANTSEV, P. M.** [At an old Ural plant, notes of a student of the region] *Na stari uural'skoi zavode, zapiski kuzneca* [Perm'] Permskoe knizhnoe izd-vo, 1966 121 p.
- BESHEVA, E. T., and T. P. EFENDIEVA.** [The daughters of a mountainous land, on the women of Kabardin-Balkaria] *Docheri gor'nogo kraia, o zhenshchynakh Kabardino-Balkarii* Na'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1965 129 p (NIC)
- BIZADZHIBAEV, A. G.** [Potentialities for increasing labor productivity in cotton growing, as exemplified by the collective and state farms of Vakhshi Valley, Tajik S.S.R.] *Rezervy povysheniya proizvoditel'nosti truda v khlopkovodstve, na priimere kollektivov i sovkhovov Vakhshskoi doliny Tadzhikskoi SSR* Dushanbe, Donish, 1966 77 p.
- BILUTUKHIN, E. I.** [Gambin today] *Sovremennaya Gambiia* Moskva, Znaniye, 1967 31 p (Novoe v zhizni, nauke, tekhnike. VII Seriya Mezhduнародnaya, no. 4)
- KHOVANSKII, D. P.** [The capitalist method of production, a textbook] *Kapitalisticheski sposoby proizvodstva, uchebnoe posobie*, Pod red. D. G. Kuz'menko, Moskva, Vyssh., 1965 237 p (CS-11)
- KURAEV, M. V.** [Two seven-year plans in seven years] *Dve semiletiya - za sedem let* Ufa, Bashkirskoe knizhnoe izd-vo, 1963 19 p (Malaki promyshlennosti Bashkiri)
- KIRGHIZ S.S.R.** *Tsenal'noe statisticheskoe upravlenie*, [Soviet Kirghizstan for 10 years, 1928-1968, a statistical abstract] *Sovetskii Kirgizstan za 40 let (1928-1968)*, statisticheski sbornik. Frunze, Izd-vo Kirgizstan, 1968 160 p.
- KLIMENKO, V. K.** [On a businesslike approach in trade-union work] *O delovosti v profsoyuznoi rabote*. [Moskva] Profizdat, 1966 60 p. (Biblioteka profsoyuznogo aktivista, no. 3/153)
- KNYP, V. A.** [Volunteer economists on state farms and collective farms] *Obshchestvennye ekonomisty v sovkhovakh i kollektivakh*. [Moskva] Izd. VTSFS profizdat, 1966 45 p. (Biblioteka sel'skogo profsoyuznogo aktivista, no. 3/51) (MU-1)
- KOLODNYI, M. G., and A. P. STEPANOV.** [Planning for capital investments with the use of mathematical methods] *Planirovaniye kapital'nykh vlozhenii s primeneniem matematicheskikh metodov*. Moskva, Vysshaya shkola, 1965 83 p.
- KOMAROVA, M.** [Improvement of working areas in the machinery industry, a survey] *Sovershenstvovanie rabochikh mest v mashinostroenii, obzori*. Riga, Latvinskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966 41 p. (Nauchnaya organizatsiya truda)
- KONDRASHENKO, L. I.** *Antek Simferopol', "Krym," 1966 77 p. Ilics*
- KORNEVSKII, R. P.** [The economics of socialism and elementary mathematical models] *Politicheskaya ekonomiya sotsializma i elementarnye matematicheskie modeli*. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1965 281 p. (RNC)
- KOTEIKIN, V. I.** [Improving the establishment of work norms in industry; economic problems] *Sovershenstvovanie normirovaniya truda v promyshlennosti, ekonomicheskie problemy*, (Leningrad) Izd-vo Leningr. univ., 1966 142 p.
- KOZLOV, M. P.** [The labor glory of the Ural people] *Ural'skie glava trudovaya*, Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1966 139 p. (CS-11)
- GRASIKOV, I. A., and V. V. TRUFANOV.** [Struggle against foodism] *Bor'ba s khuligantstvom. Voronezh*, Izd-vo Voronezhskogo univ., 1966 46 p.
- RAVITSOV, V. I.** [Industrial development and technological progress] *Razvitiye promyshlennosti i tekhnicheskii progress*. Frunze, Kirgizskoe gos. izd-vo, 1963 29 p.
- [LABOR AND WAGES AT AN ENTERPRISE, a reference manual]** *Trud i zarabotnaya plata na predpriyatii, spravochnoe posobie*. Moskva, Ekonomika, 1967 397 p.
- [THE LABOR RESOURCES OF SOVIET BALTIC REPUBLICS]** *Trudovye resursy pribalticheskikh sotsialisticheskikh respublik* Riga, Zinatne, 1967 117 p.
- [LAND CADASTER OF THE U.S.S.R.]** *Zemel'nyi kadast* SSSR, Moskva, Ekonomika, 1967 357 p.
- LATVIAN S.S.R.** *Glavnoe upravlenie bytovogo obsluzhivaniya naseleniya* [The service industries in Riga] *Bytovoe obsluzhivanie v Rige*. Riga, Zinatne, 1966 60 p.
- LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA, Ekonomikas Instituts.** [Economic efficiency of capital investments in agriculture] *Kapitala ieguldijuma ekonomiska efektivitate lauksaimnieciba* [By] A. Kols Brakes un citi. Atbildigais red. L. Lidums. Riga, Zinatne, 1966 189 p. [In Latvian]
- LAVRUSHIN, O. I.** [Credit and industry] *Kredit i promyshlennost'*. Moskva, Finansy, 1967 86 p.
- LEBEDEVA, N. B., and O. L. SHKARATAN** [Essays on the history of socialist competition] *Ocherki istorii sotsialisticheskogo sovremeniia* [Leningrad] Lenizdat, 1966 274 p.
- LENSKAIA, S. A.** [Public production fund cycle and turnover in the U.S.S.R.] *Krugovorot i oborot obshchestvennykh fondov v SSSR*. Moskva, Mysl', 1967 287 p.
- LESCHENKO, G. T.** [Financing and issuing credit to agricultural enterprises] *Finansirovaniye i kredityvaniya sel'sk'okhozodarsknykh podpriyemstv*. Kyiv, Urozhai, 1966 285 p.
- LEVSHIN, A. V.** [Computing pensions for collective farm members] *Ischisleniye pensii chlenam kollektivov*. Moskva, Rossiisk'hozizdat, 1966 47 p. (Chto dolzhen znat' kollektivn. o pensii i k pensii)
- LUGUS, O. V.** [What is profitable production?] *Mis on loomise rentabilus? Tallinn, Eesti Raamat, 1966 41 p. (Sotsialistliku majandamise kool) [In Estonian]*
- [THE MANAGER'S CALENDAR, 1967. The 50th anniversary of the Great October Socialist Revolution]** *Kalendar' khozjaistvennika, 1967, Platiideslasi vol Velkol Okhtab'skoi sotsialisticheskoi revoliutsii*, [Moskva] Ekonomika [1966] 1 v.
- MARTYNOV, V. A.** [Agrarian problem in the developed capitalist countries] *Agrarnyi vopros v razvitykh kapitalisticheskikh stranakh*. Moskva, Mysl', 1966 87 p.
- MAYER, HAROLD MELVIN, and CLYDE F. KOHN, eds.** [Readings in urban geography. Abridged translation from the English] *Geografiya gorodov, sbornik statei, Vvodnaya stat'ia red. V. V. Poklitskogo*, Moskva, Progress, 1965 440 p. (OrCS)
- MELIKIANTS, G. G.** [Large family] *Bo'shalin sem'ia* Tashkent, "Uzbekistan," 1964 37 p.
- MERIST, U., comp.** [Collection of problems on statistics] *Ulesanded statistika praktikumiks*. Tallinn, Tallinna Politehniline Instituut, 1965 180 p. [In Estonian]
- MESKAUSKAS, K., and others, eds.** [Russian-Lithuanian dictionary of economic terms] *Rusiskai lietuviskas ekonomikos terminu zodynas* Vilnius, Mintis, 1966 260 p. [In Lithuanian]
- METSA, HERBERT.** [How to use capital assets more efficiently in industrial enterprises] *Kudas paremini kasutada tootlusteetevote pohlunde*. Tallinn, Eesti Raamat, 1966 40 p. (Majandusteadlase vestust) [In Estonian]
- MINTS, L. E., V. V. KOSSOV, and E. F. BARANOV, eds.** [The interbranch balance of an economic region; methodology of preparation] *Mezhotraslevoi balans ekonomicheskogo raiuna, metodika sostavleniya*. Moskva, Nauka, 1967 320 p.
- MITEL'MAN, B. E.** [The chief economist of a plant] *Glavnyi ekonomist zavoda*, Moskva, Ekonomika, 1966 64 p. (Biblioteka khozjaistvennogo rukovoditelin)
- MORDASOVA, L. A., and A. G. NOVIISKII.** [Labor organization and the establishment of work norms in a store] *Organizatsii i normirovaniye truda v magazine*. Moskva, Ekonomika, 1966 87 p.
- MOROZOV, N. N., and N. I. BELIK.** [Studying the demand for goods] *Izucheniye sposa na tovary*. Moskva, Ekonomika, 1967 118 p.
- MOSKOVSKII INSTITUT NARODNOGO KHOZJAISTVA.** *Tsenal'naya nauchno-issledovatel'skaya laboratoriya ekonomiki i organizatsii proizvodstva*. [Problems of the economics and organization of industrial production] *Voprosy ekonomiki i organizatsii promyshlennogo proizvodstva*. Pod red. S. D. Kamenitskaya. Moskva, Ekonomika, 1967 222 p.
- [NATIONAL ACCOUNTS AND THE STATISTICS OF NATIONAL WEALTH AND NATIONAL INCOME; studies on balance-sheet statistics]** *Statistika narodnogo bogatstva, na otdelno dohodov i natsional'nogo sobeta; ocherki po balansovoi statistike* Moskva, Nauka, 1967 276 p.
- [NATIONAL ECONOMY OF THE MORDVIN A.S.S.R., a statistical abstract]** *Narodnoe khozjaistvo Mordovskoi ASSR, statisticheski sbornik*. Saransk, Stat. upr. Mordovskoi ASSR, 1965 166 p.
- NIEDRITSE, V.** [Scientific organization of labor in the repair shops of machiney manufacturing enterprises] *Nauchnaya organizatsiya truda v remontno-mekhanicheskikh tsekhakh mashinostroitel'nykh predpriyatii*, Riga, Latvinskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966 29 p. (Nauchnaya organizatsiya truda)
- NIKITIN, V. M., and V. V. MILOV.** [Analysis of managerial operations in trade] *Analiz khozjaistvennoi deiatel'nosti v torgovle*. Moskva, Ekonomika, 1966 165 p.
- NOVGOROD (Province) Oblastnoe statisticheskoe upravlenie.** [The economy of Novgorod Province, a statistical abstract] *Narodnoe khozjaistvo Novgorodskoi oblasti, statisticheski sbornik*. [Leningrad] Statistika, 1965 191 p.
- OKATOV, N. A.** [The Tambov party organization during the period of struggle for socialist industrialization and of preparation for the complete collectivization of agriculture, 1920-1929] *Tambovskaya partiinaya organizatsiya v period bor'by za sotsialisticheskuyu industrializatsiyu i podgotovku sploshnoi kollektivizatsii sel'skogo khozjaistva, 1920-1929 gg. Vozomezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1964 39 p. (Iz istorii Tambovskoi organizatsii KPSS) (CS-13)*
- OMAROV, A. M.** [Scientific principles of national economic planning, for the universities of Marxizm-Leninizm] *Nauchnye osnovy planirovaniya narodnogo khozjaistva; dlia universitetov marxizma-leninizma*. Moskva, Mysl', 1966 75 p. (Organizatsiya planirovaniya i upravleniya narodnym khozjaistvom SSSR)
- OMSKII INSTITUT INZHENEROV ZHELEZNODOROZHNOGO TRANSPORTA.** [Materials of the scientific conference of the departments of social sciences of the Institutes of Omsk] *Materialy nauchnoi konferentsii kafed obshchestvennykh nauk institutov g. Omska [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1965 325 p.*
- OMURALILV, SULTANIDIN.** [Mountain flower] *Tua pulu; angelenel*. Frunze, Kirgiz mamekelti okuyetagogika tashnary, 1963 33 p. [In Kirgiz]
- OVCHEVNIKOV, F. M., K. G. VALIEV, and A. P. FOMIN.** [Organization and payment of labor on state farms; in questions and answers] *Organizatsiya i oplata truda v sovkhovakh, v voprosakh i otvetakh*. Moskva, Rossiisk'hozizdat, 1965 196 p. (MU)
- PAEVSKII, V. A., and A. D. MILLIONSHCHIKOV.** [Payment for production funds] *Plata za proizvodstvennyye fondy*. [Leningrad] Finansy, 1966 78 p.
- PANSHINA, S. N.** [Economics of automotive transportation] *Ekonomika avtomobil'nogo transporta*. Moskva, Vysshaya shkola, 1966 303 p.
- PAVLOV, I. M.** [French steel monopolies] *Frantsuzskie stal'nye monopolii*. Moskva, Nauka, 1966 204 p.
- PCHELINTSEV, O. S.** [Economic basis of the distribution of industry; methods used in capitalist countries] *Ekonomicheskoe osnovaniye razmeshcheniya proizvodstva, metody, primeneniye v kapitalisticheskikh stranakh*. Moskva, Nauka, 1966 262 p.

- [THE PEOPLE CONTROL] Kontrol'net narod Tallin, Eesti Raamat, 1966 191 p
- PEREPELITSYNA, L. A. [Role of Russian culture in the development of the culture of the peoples of Central Asia] Rol' russkoi kul'tury v razvitií kul'tur narodov Srednei Azii. Moskva, Nauka, 1966. 122 p.
- PEREVEDENTSEV, V. I. [Migration of the population and the labor problems of Siberia] Migratsiia nasele-niia i trudovye problemy Sibiri. Novosibirsk, Nauka, 1965 160 p
- PERSHIN, P. N. [Agrarian revolution in Russia, a his-torical-economic study in two books] Agrarnaiia revo-lutsiia v Rossii, istoriko-ekonomicheskoe issledova-nie v dvukh knigakh. Moskva, Nauka, 1966 2 v.
- PESHCHONOV, V. A. [Role of commodity and monetary relations in the planned guidance of collective-farm production] Rol' tovarno-donchzhnykh otnoshenii v planovom rukovodstve kolhoznykh proizvodstvom. (Leningrad) Izd-vo Leningr. univ., 1967. 201 p.
- PETRAKOV, N. I. A. [Some aspects of a discussion on the economic methods of management] Nekotorye aspekty diskussii ob ekonomicheskikh metodakh khozaiatsvo-vaniia Moskva, Ekonomika, 1966 126 p. (Obshch-daem problemy sovershenstvovaniia planirovaniia, no. 17)
- PILATOV, P. N. [Steppes of the U.S.S.R. as a factor in the material life of society, on the relationship between nature and man] Stepi SSSR kak usloviye material'noi zhizni obshchestva, k probleme priroda i chelovek. L'aroslav' [Verkhne-Volzhskoe knizhnoe izd-vo] 1965 285 p.
- [PLAN, BUSINESS ACCOUNTING, INCENTIVES] Plan, khozraschet, stimuly Moskva, Ekonomika, 1966 356 p
- POKROVSKII, A. I., and G. P. CHERNIKOV. [What is "neocapitalism"?] Chto takoe "neokapitalizm"? Moskva, Znanie, 1967. 48 p. (Novoe v zhizni, nauke, tekhnike III Seriya. Ekonomika, 4)
- POLIAKOVA, U. M., and D. I. TVERSKAIA. [Period of the socialist reconstruction of the national economy and the beginning of the final stage of the building of socialism, 1926-1941, in the exposition of regional study museums. On the 50th anniversary of the Great October Socialist Revolution] Period sotsialisticheskoi rekonstruktsii narodnogo khoziaistva i nachalo zavershalushchego etapa stroitel'stva sotsializma (1926-1941 gg.) v ekspozitsii kraevykh muzeev, metodicheskoe posobie. K 50-letiiu Velikoi Okliabri'skoi sotsialisticheskoi revoliutsii. Moskva, Nauchno-issl. in-t muzevedeniia, 1966. 135 p.
- OSTAGE STAMPS OF THE PEOPLE'S REPUBLIC OF BULGARIA, THE HUNGARIAN PEOPLE'S REPUBLIC, THE GERMAN DEMOCRATIC REPUBLIC, THE POLISH PEOPLE'S REPUBLIC, THE SOCIALIST REPUBLIC OF ROMANIA, AND OF THE CZECHOSLOVAK SOCIALIST REPUBLIC, a catalog. Pochtovyie marki Narodnoi Respubliki Bolgarii, Vengerskoi Narodnoi Respubliki, Germanskoi Demokraticheskoi Respubliki, Pol'skoi Narodnoi Respubliki, Sotsialisticheskoi Respubliki Rumynii, Chexoslovatskoi Sotsialisticheskoi Respubliki; katalog. Moskva, Glav. Filialisticheskaiia kontora Sotuzpechat' M-va svyazi SSSR, 1966. 265 p. illus.
- [PRODUCTION COMBINES (FIRMS), method and practice in organizing firms in the industry of the Central Chernozem Region] Proizvodstvennye ob'edineniia (firmy); metodika i opyt organizatsii firm v promyshlen-nosti Tsentral'no-Chernozemnogo raiona. Vouonezh, Izd-vo Voronezhskogo univ., 1966. 64 p.
- PROKOF'EVA, V. G. [Disability pensions for collective-farm members] Pensii po invalidnosti chlenam kol-hozov. Moskva, Rossel'khozizdat, 1966. 34 p. (Chto dolzhen znat' kolhoznik o pensiiakh i posoblakh)
- REZVAN, A. A., and N. I. SEMENUTA. [48 plus 5; the economics and culture of the Don Valley in facts and figures] 48 plus 5; ekonomika i kul'tura Dona v tsifrah i faktakh. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1966 221 p.
- ROGACHEV, S. V. [Plan and incentives] Plan i stimuly. Moskva, Znanie, 1967. 30 p. (Novoe v zhizni, nauke, tekhnike. V Seriya; Sel'skoe khoziaistvo, 3)
- ROMANENKO, I. N. [Economics of socialist agriculture] Ekonomika sotsialisticheskogo sel'skogo khoziaistva. Kiev, Urozhai, 1966. 562 p. (Uchebniki i uchebnye posobia dlia vysshikh sel'skokhoziaistvennykh uchebnykh zavedenii) (CU)
- ROMANOVSKII, S. K. [International cultural and scientific ties of the U.S.S.R.] Mezhdunarodnye kul'turnye i nauchnye svyazi SSSR. Moskva, IMO, 1966. 238 p.
- ROZENBERG, D. I. A., and I. M. SAFRONOV. [Profitable housing management; from the work practice of the Svetlovsk District of the city of Moscow] Rentabel'noe vedenie zhilishchnogo khoziaistva, iz opyta raboty zhi-lishechnogo khoziaistva Svordlovskogo raiona g. Mo-skvy. Moskva, Stroiizdat, 1966. 55 p.
- ROZENBERG, S. V. [Planning for the cost of transporta-tion in the municipal electric transit system; a methodo-logical aid] Planirovaniye sebestoimosti perivozov na gorodskom elektriko-transporte, metodicheskoe posobie. Izd-vo M-va kommun. khoz. RSFSR, 1966. 61 p.
- ROZIN, M. S. [Geography of the mineral resources of capitalist and developing countries] Geografiia poleznykh iskopnykh kapitalisticheskikh i razvi-valushchivshia stran. Moskva, Prosveshchenie, 1966 233 p.
- RUSSIA (U.S.S.R.) Upravlenie prepodavanii obshchest-vennykh nauk. [Recommended subjects for test papers on the principles of philosophical knowledge; for sec-ondary vocational correspondence schools in "Public health" and "Art"] Tematika konti'nykh rabot po osnovam filosofskikh znanií, dlia zauchnykh sred-nikh spetsial'nykh uchebnykh zavedenii (po spetsial'i-nostiam "Zdravookhraneniye" i "Iskusstvo"). Moskva, Mysl', 1965. 19 p.
- RYBAKOVA, T. A. [Financing and issuing credit for capi-tal investments, a collection of problems] Finansirova-nie i kreditovanie kapital'nykh vlozhenii, sbornik za-dach. Moskva, Finanny, 1966 133 p.
- SABIROV, KH. R. [From the history of the state finances of Uzbekistan] Iz istorii gosudarstvennykh finansov Uzbekistana. Tashkent, Nauka, 1966. 265 p. (CSI-II)
- SAIKIN, L. G. [About us builders] Pro nas, stroitel'. Ufa, Bashkirskoe knizhnoe izd-vo, 1966. 38 p.
- SANZHIEV, G. L., and others. [The communist labor movement and its role in workers' training, on the work practice of the collective of the "Elektronashina" Plant, the Buryat A.S.S.R.] Dvizhenie za kom-munisticheskii trud i ego rol' v vospitanii i obuchenií; ob opyte raboty kollektivnogo zavoda "Elektronashina" Buriatskoi ASSR. Ulan-Ude, Buriatskoe knizhnoe izd-vo, 1966. 136 p.
- SARYCHEV, V. G. [The economic development of the U.S.S.R. in its present stage, a summary of lectures] Ekonomicheskoe razvitiie SSSR na sovremennom etape; konspekt lektsii. Kiev, Kievskii in-t nar. khoz., 1966 56 p. (CSt-II)
- SASHENKOV, E. P., and M. E. LEVIN. [Philately under the sign of the "five rings"] Filateliia pod znakov plat kolets. Moskva, Svyaz', 1966. 149 p.
- SEMIN, N. S. [The Comecon countries and the developing countries of Asia and Africa] Strany SEV i razvivaiushchiesia strany Azii i Afriki. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike. III Seriya: Ekonomika, no. 3)
- SEPRE, O., and others. [Consumption of the most important food products in our country and abroad] Tahtsamate toduatete tnbimino moit ja mujal. Tallinn, Eesti Raamat, 1966. 71 p. [In Estonian]
- SERDIUK, V. A. [Potentialities of increasing labor productivity in the sugar industry] Rezorvy rosta proizvoditel'nosti truda v sakharnoi promyshlennosti. Moskva, Pishchevaya promyshlennost', 1966. 92 p. (Ekonomicheskoe znanie - rabochim)
- SEROVA, Z. I. [Collection of examples on planning, verification, and calculation of network models] Sbornik primerov po postroeniiu, proverke i raschetu setovykh modeloi. Moskva, Ekonomika. No. 4. 1966. 56 p. (Kursy po obucheniui ruko-voditskhkh rabotnikov metodam setovogo planirovaniia i upravleniia)
- [THE SEVEN-YEAR PLAN AHEAD OF TIME] Semiletku dosrochno. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 93 p. (NNC)
- SGIBNEV, A. A. [A man from the legend; sketches] Cho-lovek iz legendy; ocherki. Moskva, DSSAAF, 1966. 88 p.
- SHABALIN, A. [Twenty years of my life, notes of a war] Dvadtsat' let moei zhizni; zapiski bespiznogo. Lon-don, Flegon Press, 1965 91 p. (NIC)
- SUCHERBINA, B. E. [Tymmen' moridlan] Timmenskil meidlan. Svedlovsk, Stedne-lial'skoe knizhnoe izd-vo, 1966. 73 p. illus. (CSL-II)
- SHEIN, L. E., B. S. LEVI, and A. V. ARKHINOVA. [Initial experience in introducing a plan for scientific labor organization on the construction sites of the "Riga/zhil-stoi" Trust] Pervyi opyt vvedeniia plana NOF na stoiokakh tresla "Rigazhstroi." Riga, Latvialii respubl. in-t nauchno-tekhn. informatsii i prop-agandy, 1966. 10 p. (Listok tekhnicheskoi informatsii)
- SHKURBA, V. V., and others. [Problems of day-to-day production planning and methods for solving them] Za-dachi kalendarnogo planirovaniia i metody ik reshe-niia. Kiev, Naukova dumka, 1966 155 p.
- SHVALOV, E. I. [The Urals, outline of economic geog-raphy. Manual for teachers] Ural, ekonomiko-geog-rafiicheskii ocherk. Posobie dlia uchitelei. Moskva, Prosveshchenie, 1966. 196 p
- [SIBERIA DURING THE BUILDING OF SOCIALISM AND THE TRANSITION TO COMMUNISM] Sibiri v period stroitel'stva sotsializma i perekhoda k kommunizmu. Novosibirsk, Nauka. No. 6. [Siberia during the building of socialism] Sibiri v period stroitel'stva sotsializma, 1966. 160 p. (Materialy po istorii Sibiri)
- SILLAND, HILMAR, comp. [Sanitary requirements for employees of public dining establishments] Sanitaar-mihidum rahkoomitika tollustamuse ettevotuse. Tallinn, Valgus, 1966. 130 p. [In Estonian]
- SKOTKOV, SI. B. [Financing and extending credit in the coal industry] Finansirovaniye i kreditovanie v ugo'noi promyshlennosti. [2., perer. i dop. izd.] Moskva, Nedra, 1965. 192 p. (INU)
- SOLOVYOVSKII, M. A. [Technological progress in the U.S.S.R. and its social consequences; a textbook] Nauchno-tekhnicheskii progress v SSSR i ego sotsial'nye posledstviia, uchebnoe posobie. Svedlovsk, Ural'skii gos. univ., 1964. 30 p. (MII)
- STETSUK, L. S., L. A. KEROGLU, and T. I. KARPUSHINA. [Highway junctions and their effect on traffic safety] Uzly avtomobil'nykh dorog i ikh vliianie na bezopasnost' dvizheniia. Moskva, Transport, 1967. 61 p.
- STETSKEVICH, S. M. [The labor movement in Poland in 1916 and 1919 (October 1918-July 1919)] 1) Izbavlenie dvizhenie v 1916-1919 godakh (noabir' 1918-iaul' 1919 goda). [Leningrad] Izd-vo Leningr. univ., 1966. 203 p.
- STREL'NIKOV, B. G. [Lilia, Vania, and the President] Lilia, Vania i prezident. [Moskva] Molodaiia gvardiia, 1966. 140 p.
- SUPONITSKII, S. A., M. F. BUNIAEV, and G. N. PRIYILEVA. [Facts and figures on the condition of the laboring class in capitalist countries] TSifry i fakty o polozenií rabocheho klassa kapitalisticheskikh stran. Moskva, Vysshaiia shkola, 1967. 116 p. (V pomoshch' ioktoru)
- SUTANOVSKII, F. A. [Steady growth of the productivity of social labor under socialism; summary of lectures for economics students of the institute] Stektonnyi rost proizvoditel'nosti obshchestvennogo truda pri sotsializme, konspekt lektsii dlia studentov instituta po politicheskoi ekonomii. Khar'kov, Khar'kovskii univ. in-t, 1965. 2 v. (CSt-II)
- TADORS, D., and G. BERZINSH. [The essence of work on scientific organization of labor in industry] Osnov-noe soderzhanie raboty po NOT na proizvodstve. Riga, Launpi, 1966. 33 p. diagrams, insets. (Listok tekhnicheskoi informatsii. Nauchnaia organizatsiia truda)
- TAVROV, I. A. M. [Reform on 33 Mironovskaya Street; on the new developments in the work of the Moscow Plant of Thermal Automatic Control Equipment] Reforma na Mironovskoi, 33; o novom v rabote Moskovskogo zavoda teplovai avtomatiki. Moskva, Polizdat, 1966. 47 p.
- [THAT IS HOW WE WORK ON A BUSINESS ACCOUNTING BASIS] Tak my rabotam na khoziaistvennom raschete. Moskva, Sovetskaiia Rossiia, 1966. 166 p. (Trucheni-kam sela - ob intensifikatsii)

**TABLES OF MOTORBUS LINES IN TALLINN** [Raspisanie avtobusnogo dvizheniya v g. Tallinn. Tallinn, Eesti Raamat, 1965. 67 p.]

**TERCHENKO, V. E.** [Working capital of geological prospecting enterprises and ways to accelerate its turnover] Obozornye sredstva geologopiskovykh predpriyatiy i puti uskorennya ikh obrachivaniya. Ufa, Bashkirskoe knizhnoe izd-vo, 1961. 89 p.

**TRAININ, A. S.** [The Bolshevik Party as the leader of the revolutionary movement of the young workers in 1917] Partiya bol'shevikov - rukovoditel' revoliutsionnogo dvizheniya rabochey molodezhi v 1917 godu. Krasnodar, Krasnodarskiy gos. pedagog. in-t, 1965. 174 p. (CST-II)

**TRIGUBENKO, V. V.** [What is operations research?] Chto takoe issledovaniye operatsiy. Moskva, Ekonomika, 1966. 60 p. (Biblioteka khozstvennogo rukovoditel'ya)

**THE UKRAINIANS S. R. IN FIGURES FOR 1965; a brief statistical abstract** [Ukrainyanka SSR v tsyfrakh v 1965 rotsi, korotkiy statysticheskyy dovidnyk. Kyiv, Statystykn, 1966. 213 p.]

**USHAKOV, S. S., and I. I. VASILEVSKII, eds.** [Transportation abroad; capitalist and developing countries. A manual] Zarubezhnyi transport, kapitalisticheskie i razvivayushchiesya strany. Spravochnik. Moskva, Transport, 1966. 366 p.

**USMANOV, RAKHMANKUL** [The activity of the political departments in strengthening the state farms of Tajikistan, 1933-1940] Deiatel'nost' politotdelov po ukrepleniyu sovkhozov Tadzhikistana, 1933-1940 gg. Dushanbe, Ifron, 1965. 30 p. (CST-II)

**USYK, M. A.** [Return of capital investments in a socialist economy, the theory of the problem] Ob okupatsionnykh kapital'nykh vlozheniyakh v sotsialisticheskoye khozaystvo, teoriya voprosa. Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1958. 147 p.

**VAJNER, M. G., and V. P. ALFER'EV.** [Planning for the supply of materials and equipment to agriculture] Planirovaniye material'no-tekhnicheskogo snabzheniya sel'skogo khozaystva. Moskva, Ekonomika, 1966. 193 p.

**VALENTEI, D. I.** [The theory and policy of population.] Teoriya i politika narodonaseleniya. Moskva, Vysshaya shkola, 1967. 163 p.

**VARDIEVA, K. I.** [Problem book on the financing and credit of Soviet consumer cooperatives] Zadachnik po finansirovaniyu i kreditovaniyu sovet'skoy potrebitel'skoy kooperatsii. Moskva, Izd-vo Tsentsionizma, 1962. 116 p. (InU)

**VEDERNIKOV, S. S.** [Course in accounting.] Kurs bukhgalterskogo ucheta. 2., perer. izd. Moskva, Statistika, 1967. 408 p.

**VEINBERG, A.** [Method of developing scientific labor organization for the industrial enterprises of the Latvian S. R.] Metodika razrabotki nauchnoy organizatsii truda dlya promyshlennyykh predpriyatiy Latvii. Riga, Latviiiski respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 37 p.

**VERKHOVSKIY, I. A.** [Planning and analyzing the cost of automotive transportation] Planirovaniye i analiz sebstoimosti avtomobil'nykh perevozok. Moskva, Transport, 1966. 214 p.

**VESELOV, N. G., and others.** [Collection of problems on a course in the "Economics of the ferrous metallurgy of the U. S. S. R."] Sbornik zadach po kursu "Ekonomika chernoy metallurgii SSSR." Sverdlovsk, Izd. UPI, 1965. 33 p.

**VETRA, R., and G. VETRA.** [We are going your way] Mums nav pa cefam. Riga, Liesma, 1966. 65 p. (In Latvian)

**VITVER, I. A.** [Economic geography of foreign countries] Ekonomicheskaya geografiya zarubezhnykh stran. Pod red. V. P. Maksakovskogo. Moskva, Prosveshcheniye, 1967. 541 p.

**VSESOIUZNYI LENINSKII KOMMUNISTICHESKII SOIUZ MOLODEZHI.** [Statute of the Komsomol. Passed by the 14th Congress of the Komsomol] Ustav. Printat XIV s'ezdom VLKSM. [Moskva] Molodaia gvardiya, 1963. 31 p. (Biblioteka "Vstupayushchemu v kom-somol")

**VSESOIUZNYI LENINSKII KOMMUNISTICHESKII SOIUZ MOLODEZHI.** [Statute of the Komsomol. Passed by the 14th Congress of the Komsomol (with partial amendments introduced by the 15th Congress of the Komsomol)] Ustav. Printat XIV s'ezdom VLKSM (chastichnye izmeneniya vnesheny XV s'ezdom VLKSM) [Moskva] Molodaia gvardiya, 1966. 31 p.

**ZACHINATA VYSSHAIA PARTIINAYA SHKOLA. Kafedra politicheskoy ekonomii.** [Criticism of bourgeois and national economic theories in V. I. Lenin's work] Kritika burzhuaznykh i natsionalisticheskikh teorii v trudakh V. I. Lenina. Moskva, Mysl', 1966. 371 p.

**ZEN'KOV, I. S., and M. I. A. RUSAKOV.** [Economics of construction] Ekonomika stroitel'stva. Moskva, Vysshaya shkola, 1967. 358 p.

**ZHEREBTSOV, L. A., and M. P. MIKRIUKOV.** [The plant and the people] Zavod i ljudi. [Perm'] Perm'skoe knizhnoe izd-vo, 1965. 42 p.

## 6. POLITICAL SCIENCE

**[ALEKSANDR CHAPAEV AND OTHERS]** Aleksandr Chapayev i drugie. Izd. 2., ispr. i dop. Moskva, Politizdat, 1967. 272 p.

**ARKHANGEL'SKII, V. V. Nogin** [Moskva] Molodaia gvardiya, 1966. 318 p. (Zhizn' zametchatel'nykh liudei. Seriya biografii, no. 16(384))

**ASHANIN, V. I. A.** [Criticism and self-criticism in the life and work of the CPSU; for universities of Marxism-Leninism] Kritika i samokritika v zhizni i deyatelnosti KPSS, dlya universitetov marksizma-leninizma. Moskva, Mysl', 1966. 45 p. (Partinoye stroitel'stvo)

**BASIN, O. I. A., ed.** [Political dictionary] Politicheskii slovar'. Moskva, Kelga, 1964. 387 p. (CaAU)

**BASKAKOV, D. G.** [Biographies of emblems, flags, and anthems of foreign countries] Biografiy gerbov, flagov, gimnov zarubezhnykh stran. Moskva, Politizdat, 1967. 158 p.

**DEBEL, AUGUST.** [From my life. Translated from the German] Iz moey zhizni. Moskva, Gos. izd-vo polit. lit-y, 1963. 799 p. (OU)

**BEZUGLOV, A. A.** [When a deputy receives his orders... ] Deputatu dan kazaz... [Moskva] Mosk. rabochii, 1967. 79 p. (V pomoshch' agitatoru i propagandistu)

**CHORNEIKO, MYKHAILO.** [So that we may not forget the events of these days] Shechob ne zabuty i deni podit. [Sakhalon] 1964. 13 p. (IU) (InU)

**DENSOV, A. I.** [Basic constitutional principles of the social system of the U. S. S. R.; for the universities of Marxism-Leninism] Konstitutsionnye osnovy obshchestvennogo ustroystva SSSR; dlya universitetov marksizma-leninizma. Moskva, Mysl', 1966. 54 p. (Osnovy sovet'skogo gosudarstvennogo stroitel'stva i prava)

**[EVERYTHING FOR THE PEOPLE; stories about the delegates to the 23d Congress of the CPSU]** Vse i ludi, rasskazy o delegatakh XXIII s'ezda KPSS. [Kulbyshchev] Kulbyshchevskoe knizhnoe izd-vo, 1966. 140 p. (CST-II)

**[GIRL FROM THE "DUBOIS CLUB"]** Devushka iz "Kluba Dubua." Moskva, Pravda, 1967. 45 p. (Biblioteka "Komsomol'skoy pravdy," no. 2)

**INSTITUT MARKSIZMA-LENINIZMA, Moscow.** [History of the Communist Party of the Soviet Union] Istoriya Kommunisticheskoy partii Sovetskogo Soyuza. Moskva, Izd-vo polit. lit-ry, 1966. 6 v. illus., plates, maps. (IEN)

**IOANNISIAN, A. O.** [The problem of nationality in the publicistic work of Mikhail Nalbandian] Vopros natsional'nosti v publitsisticheskoy rabote Mikhaela Nalbandiana. Erevan, Armianskoye gos. izd-vo, 1956. 88 p. (InU)

**KALINYCHEV, F. I.** [Supreme governmental bodies of the U. S. S. R., for universities of Marxism-Leninism] Vysshie organy gosudarstvennoy vlasti SSSR, dlya universitetov marksizma-leninizma. Moskva, Mysl', 1966. 54 p. (Osnovy sovet'skogo gosudarstvennogo stroitel'stva i prava)

**KALITA, P.** [Your ideology and responsibility] Tava idejaskam un atbildiba. Riga, Liesma, 1966. 73 p. (In Latvian)

**KAZANSKII FINASOVO-EKONOMICHESKII INSTITUT.** [Methodological advice for seminars on the history of the CPSU] Metodicheskie sovery k seminaram po istorii KPSS. Kazan', Gazetno-zhurnal'noe izd-vo Tatarskoy okkoma KPSS, 1966. 192 p. (CST-II)

**KELLER, L. S., V. N. Kalurov.** [Gor'kii] Volgo-Viatskoye knizhnoe izd-vo, 1966. 82 p. (Nizhegorodskoye revoliutsionery)

**KLEUCHEVA, Z. I.** [Collective work is the highest principle of party leadership, for universities of Marxism-Leninism] Kollektivnost' - vysshiiy printsip partinogo rukovodstva, dlya universitetov marksizma-leninizma. Moskva, Mysl', 1966. 77 p. (Partinoye stroitel'stvo)

**KOMMUNISTICHESKAYA PARTIYA ARMENII. S'ezd 24 1966.** [Resolutions of the 24th Congress of the Communist Party of Armenia] Rezolyutsii. Erevan, Arman, 1966. 33 p.

**KOMMUNISTICHESKAYA PARTIYA UZBEKISTANA. Tsentral'nyi komitet. Otdel propagandy i agitatsii.** [Principles of party work; a textbook for the system of party education] Osnovy partinogo stroitel'stva, uchebnoe posobie dlya sistemy partinogo provosha-shchenta. Tashkent "Uzbekistan," 1966. 360 p.

**LASHIN, A. G.** [Origin and development of the socialist state] Vozniknoveniye i razvitiye sotsialisticheskogo gosudarstva. [Moskva] Izd-vo Mosk. univ., 1965. 416 p. (MosU)

**LENIN, V. I.** [Imperialism as the highest stage of capitalism; a popular sketch] Imperializm, kak vysshaya stadiya kapitalizma, popularnyi ocherk. Moskva, Politizdat [1967] 136 p.

**LENIN, V. I.** [V. I. Lenin on ideological work] V. I. Lenin ob ideologicheskoy rabote. Moskva, Politizdat, 1965. 435 p.

**MELIKIAN, O. N.** [Neutralism of African states] Neitralizm gosudarstv Afriki. Moskva, Nauka, 1966. 145 p.

**MIL'MAN, A. SH.** [Political system of Azerbaijan in the 18th and early 20th century; administrative organs and courts, ways and methods of colonial administration] Politicheskii stroi Azerbaidzhana v XIX - nachale XX vekov, administratsionnyy apparat i sud, formy i metody kolonial'nogo upravleniya, Dnku, Azerbaidzhanskoye gos. izd-vo, 1966. 317 p.

**MOLCHANOV, N. N.** [The U. S. A. and Western Europe] SShA i Zapadnaya Evropa. Moskva, Znanie, 1967. 46 p. (Novoye v zhizni, nauke, tekhnike. VII Seriya. Mezhdunarodnaya, no. 2)

**PANACHIN, F. G.** [Lenin's style in party and governmental work, for universities of Marxism and Leninism] O leninskoy stile v partinoy i gosudarstvennoy rabote; dlya universitetov marksizma-leninizma. Moskva, Mysl', 1966. 62 p. (Partinoye stroitel'stvo)

**[PARTY GROUPS AND THE DUTIES OF COMMUNISTS REQUIRED BY THE PARTY STATUTE]** Partinaya gruppa i usloviya trebovaniya k kommunistu. [Moskva] Mosk. rabochii, 1966. 62 p.

**[PAY ATTENTION TO THE INDIVIDUAL; from practice of party mass work in the party organizations of Chelyabinsk Province]** Vnimaniye cheloveku; iz opyta partinno-massovoy raboty v partorganizatsiyakh Cheliabinskoy oblasti. [Cheliabinsk] Izd-vo Ural'skoy knizhnoy izd-vo, 1966. 219 p. (CST-II)

**PESIKIN, F. A.** [Toward a single goal; on the friendship and cooperation of socialist nations in the Volga Valley] K edinoi tseli; o druzhbo i sotrudnichestve sotsialisticheskikh natsiy v Povolzh'ye. Gor'kii, Volgo-Viatskoye knizhnoe izd-vo, 1966. 61 p. (CST-II)

**PETLIURA, SYMON.** [The Moscow louse; uncle Simon's story describing how Moscow louse devour the Ukraine and what we should do with them] Moskovskaya volsha, opovidannya dnohka Semen na to, yak moskovskiy volsh idati Ukrainu ta shcho z nymy treba robity. Paris, Biblioteka im. S. Petliury i Natsionalisticheskoye vyd-vo v Evropi, 1966. 100 p.

**[PROBLEMS OF PARTY LIFE]** Voprosy partinoy zhizni. Moskva, Pravda, 1967. 349 p. (V pomoshch' izuchayushchim partinoye stroitel'stvo)

[REAL ENTHUSIASTS, work experience of public sector organizations] Tõulised entusiastid, ühiskondlikel alustel tegutsevate organisatsioonide kogemused Tallinn, Eesti Riiklik, 1965 133 p. [In Estonian]

RUSSIA (U.S.S.R.) *Upravlenie predstavleniya obshchestvennykh dani* [Program and subject matter of test papers on the history of the CPSU, for students of secondary vocational schools] Programma i tematika tontrolykh rabot po istorii KPSS dlia uchashchikhsia v shkoly srednykh spetsial'nykh uchebnykh zavedeniia Moskva, Mysl', 1967 79 p.

RZHEVSKII, V.A. [The territorial organization of the Soviet state] Territorialnaia organizatsiia sovetskogo gosudarstva. Pod redaktsiei red. I.E. Farbera, Sankt-Peterburgskoe izdatel'stvo izd-vo, 1966, 142 p. (CSU-II)

SHITAREV, G.I. [The CPSU is the leading force of the Soviet society in its struggle for communism, for anti-verbalism of Marxism and Leninism] KPSS i ustoyachivost' sotsialisticheskogo obshchestva i bor'ba za kommunizmu, dlia universitetov marksizma-leninizma Moskva, Mysl' 1966 52 p. (Partiinnoe stroitel'stvo)

STRAKHOV, N.N. [Origin of state and law, a summary of lectures] Vozniki novykh gosudarstva i prava, konspekt lektsii. Khark'ov, Khark'ovskii univ., 1965, 44 p. (Na pravakh rukopisi) (CSU-II)

THOREZ, MAURICE. [Selected articles and speeches, 1930-1964. Translated from the French] Izbrannyye stat'i i rechi 1930-1964 gg. Moskva, Izd-vo politlit-ry, 1966, 661 p. (CaOTU)

VINOGRADOV, A.N. [The Supreme Soviet of the R.S.F.S.R.] Verkhovnyi Sovet RSFSR Moskva, Iurid lit-ra, 1967 69 p.

## 7. LAW

AKADEMIA NAUK SSSR, Institut gosudarstva i prava. [Legal problems in the theory of administration] Pravoie problemy nauki upravleniia. Moskva, Iurid. lit-ra, 1966, 223 p.

ALEKSANDROV, N.G., and G.V. MUTSINOV [Labor law, a manual for the students of the faculties of civil and labor law of people's universities] Tiudovoe pravo, uchebnoe posobie dlia slushatelei naodnykh universitetov fakul'tetov grazhdanskogo i tiudovogo zakonodatel'stva Moskva, Znanie, 1967 186 p. (Narodnyi universitet Fakul'tet pravovykh nauk, nos 1-2)

ALEKSANDROVA, K.I. [Practice of the Maritime Arbitration Commission in the examination of disputes arising from shipping goods by sea] Praktika morskoi arbitraznoi komissii po sporam, vytekaiushchimi iz perevozki tovarov morem. Moskva, Transport, 1966 59 p.

ANISIMOVA, T.B. [Constitutional and legal forms of nationalities relations in the U.S.S.R., a manual for universities of Marxism-Leninism] Gosudarstvenno-pravovye formy natsional'nykh otnoshenii v SSSR; dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966, 61 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

ARMENIAN S.S.R. Verkhovnyi Sovet. [Meetings of the Sixth Soviet of the Armenian S.S.R., seventh session, December 22, 1965. Verbatim report] Zasedaniia Verkhovnogo Soveta Armianskoi SSR shestogo sozyva, sed'maia sessiia 22 dekabria 1965 g. Stenograficheskii otchet. Erevan, Izd. Verkhovnogo Soveta Armianskoi SSR, 1966, 204 p.

AZERBAIJAN. Laws, statutes, etc. [Civil code of the Azerbaijan S.S.R.] Azerbaidzhan SSR Mulkii meclietesi Baki, Azerbaidzhan SSR Ali Sovetinin neshti, 1965 297 p. [In Azerbaijani]

BAIBAKOV, N.K. [State plan for the development of the national economy of the U.S.S.R. in 1967; a report and closing argument at the second session of the Seventh Supreme Soviet of the U.S.S.R., December 15 and 19, 1966. The law of the Union of Soviet Socialist Republics on the state plan for the development of the national economy of the U.S.S.R. in 1967] O Gosudarstvennom plane razvitiia narodnogo khoziaistva SSSR na 1967 god; doklad i zakliuchitel'noe slovo na vtoroii sessii Verkhovnogo Soveta SSSR sed'mogo sozyva 15 i 19 dekabria 1966 goda. Zakon Soluza Sovetskikh Sotsialisticheskikh Respublik o Gosudarstvennom plane razvitiia narodnogo khoziaistva SSSR na 1967 god. Moskva, Politizdat, 1966, 61 p.

BRATUS', S.N. [Civil laws of the Soviet Union and the Union Republics, for universities of Marxism-Leninism] Grazhdanskoe zakonodatel'stvo Soluza SSR i soluznykh respublik, dlia universitetov marksizma-leninizma Moskva, Mysl', 1966 62 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

ESTONIAN S.S.R. Laws, statutes, etc. [Statute on elections to the Supreme Soviet of the Estonian S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Estonian S.S.R., December 10, 1950. With amendments and supplements introduced by decisions of the Presidium of the Supreme Soviet of the Estonian S.S.R., December 27, 1958, January 13, 1959, January 19, 1963, and November 26, 1966] Polozhenie o vyborakh v Verkhovnyi Sovet Estonskoi SSR. Tekst, ulve izhdenyi Ukazom Prezidiuma Verkhovnogo Soveta Estonskoi SSR ot 19 dekabria 1950 g., s izmeneniiami i dopolneniiami, vnesennymi Ukazami Prezidiuma Verkhovnogo Soveta Estonskoi SSR ot 27 dekabria 1958 g., 13 ianvaria 1959 g., 19 ianvaria 1963 g. i 26 noabria 1966 g. Tallinn, Eesti Raamat, 1966, 30 p.

GABRICHIJZE, B.N., and I.F. RIABKO [Local soviets and the inculcation of the socialist understanding of law in workers] Mestnye Sovety i vospiatie sotsialisticheskogo pravosoznaniia tiudashchikhsia [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964 74 p.

GORDON, M.V. [Soviet civil law] Radians'ko tsyvil'ne pravo, Kharkiv, Vyd-vo Kharkiv's'kogo univ., Pt.2, Vyd. 2, 1966, 314 p.

[HANDBOOK OF INTERNATIONAL MILITARY AND NAVAL LAW] Voenno-morskoi mezhdunarodno-pravovoi spravochnik [By] P.D. Barabola i dr. Moskva, Voenizdat, 1966 500 p.

IAKOVLEV, E.M. [Development of contractual relations in the state industry of the U.S.S.R. for supply and delivery, 1917-1937] Razvitiie dogovornykh otnoshenii gosudarstvennoi promyshlennosti SSSR po snabzheniiu i sbytu, 1917-1937 gg. Dushanbe, Ifon, 1965, 445 p. (CSU-II)

IVANOV, V.A. [Preliminary examination in Soviet criminal procedure, a textbook on "Preliminary examination and investigation of criminal offenses," a special course for students of evening and correspondence departments] Doznanie v sovetskoi ugolovnom protsessse, uchebnoe posobie dlia studentov vechernego i zaochnogo otdelenii po spetsial'skoi "Rozrysk i nasledovanie." [Leningrad] Izd-vo Leningr univ., 1966, 35 p.

IVANOV, V.A. [Supervisory functions of public prosecutors in the execution of judicial sentences, a textbook for the "Supervisory functions of public prosecutors in the U.S.S.R.," course for the students of evening and correspondence departments] Prokurorskie nadzori za ispolneniem sudenogo prigovora, uchebnoe posobie dlia studentov vechernego i zaochnogo otdelenii po kursu "Prokurorskie nadzori v SSSR." [Leningrad] Izd-vo Leningr univ., 1966, 30 p. (V pomoshch' studentam vechernikh i zaochnykh vuzov)

KHARKOVSKII JURIDICHESKII INSTITUT. Kafedra teorii gosudarstva i prava. [Legal relations, a summary of lectures] Pravovye otnosheniia, konspekt lektsii. Khark'ov, 1965, 51 p. (CSU-II)

KHARKOVSKII JURIDICHESKII INSTITUT. Kafedra ugolovnogo prava i protsesssa. [Judicial in Soviet criminal procedure, abstracts of a lecture course] Predanie sudu v sovetskoi ugolovnom protsessse, konspekt lektsii. Khark'ov, 1965, 34 p. (CSU-II)

KIRGHIZ S.S.R. Laws, statutes, etc. [Statute on elections to province, district, city, and village, and settlement soviets of workers' deputies in the Kirghiz S.S.R. Adopted by decree of the Presidium of the Supreme Soviet of the Kirghiz S.S.R., October 7, 1950. With amendments introduced by decree of the Presidium of the Supreme Soviet of the Kirghiz S.S.R., January 9, 1963] Polozhenie o vyborakh v oblastnye, raionnye, gorodskie, ailynye, sel'skie i poselkovye Sovety deputatov tiudashchikhsia Kirgizskoi SSR. Utyerzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Kirgizskoi SSR ot 7 oktiabria 1960 g. s izmeneniiami i dopolneniiami, vnesennymi Ukazom Prezidiuma Verkhovnogo Soveta Kirgizskoi SSR ot 9 ianvaria 1963 g. Frunze, Izd-vo Kirgizstan, 1965, 27 p.

KOZLOV, I.U.D., and KH.B. SHEININ. [People's assessors are judges with full rights] Narodnye zasedateli - ravnopravnye sud'i. Izd. 2. Moskva, Iurid. Moskva, Iurid. lit-ra, 1967, 71 p.

LAPAL, A.P., and A.K. OJIRONKO. [Statute on the industrial safety commission of the factory and plant local trade-union committee, practical commentary] Polozhenie o komissii obshchego tiudovogo bezopasnosti na predpriatii. [Moskva] Profizdat, 1967, 143 p.

LATVIAN S.S.R. Laws, statutes, etc. [Statute on elections to district, city, city district, settlement and village soviets of workers' deputies of the Latvian S.S.R. Approved by decree of the Presidium of the Supreme Soviet of the Latvian S.S.R., December 5, 1954. With amendments approved by decisions of the Presidium of the Supreme Soviet of the Latvian S.S.R., January 5 and 20, 1959, March 31, 1961, December 17, 1962, January 7, 1963 and January 10, 1967] Noteikums par Latvijas PSR rajonu, miestu, pilsetu rajonu, ciematu un ciema darbinaju deputatu padomju vakiem. Apstiprinats ar Latvijas PSR Augstakas Padomes Presidija 1954. gada 21. decembra Dekretu Ar Latvijas PSR Augstakas Padomes Presidiju 1959. gada 5. un 20. janvaira, 1961. gada 31. martia, 1962. gada 27. decembra, 1963. gada 7. janvaira un 1967. gada 10. janvaira Dekretu apstiprinatumem grozījumiem un papildinajumiem. Riga, Liesma, 1967, 22 p. [In Latvian]

[LEGAL HANDBOOK, an aid to the public-spirited worker] Tiudshchikhi spravochnik, v pomoshch' obshchestvennomu. Tashkent, "Uzbekistan," 1965, 221 p. (CSU-II)

LENINGRADSKII GOSUDARSTVENNYI UNIVERSITET. [Soviet administrative law (special part)] Sovetskii administrativnoe pravo (spetsialnaia chast'). [Leningrad] Izd-vo Leningr univ., 1966, 310 p.

LEPESHIKIN, A.I. [Civil rights of Soviet citizens, for universities of Marxism-Leninism] Pravoie polozenie sovetskikh grazhdan, dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966, 51 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

PASHKOV, A.S. [Legal regulation of the training and assignment of workers, some problems of theory and practice] Pravoie regulirovanie podgotovki i raspredeleniia kadrov, nekotorye voprosy teorii i praktiki. [Leningrad] Izd-vo Leningr univ., 1966, 106 p.

POBEGAILO, F.F. [Murders in the first degree and their control, a criminal law and criminological study] Umyshlennoe ubistvo i bor'ba s nim; ugolovno-pravoe i kriminologicheskoe issledovanie. Voronezh, Izd-vo Voronezhskogo univ., 1965, 203 p. (MFI-I)

ROSTOVSKII GOSUDARSTVENNYI UNIVERSITET. [Soviet civil law; lectures for correspondence students] Sovetskoe grazhdanskoe pravo, lektsii dlia studentov-zachetnikov. Rostov-na-Donu, 1965, 1 v. (CSU-II)

RUSSIA (R.S.F.S.R.) Constitution. [Constitution (fundamental law) of the Russian Soviet Federated Socialist Republic, with amendments adopted at the fourth session of the Sixth Supreme Soviet of the R.S.F.S.R. II] Konstitutsiia (osnovnoi zakon) Rossiiskoi Sovetskoi Federativnoi Sotsialisticheskoi Respubliki s izmeneniiami i dopolneniiami, priimlennymi na chetvertoi sessii Verkhovnogo Soveta RSFSR shestogo sozyva. Moskva, Iurid. lit-ra, 1966, 20 p.

RUSSIA (R.S.F.S.R.) Laws, statutes, etc. [Criminal code of the R.S.F.S.R. Official text with amendments as of September 10, 1966, and supplementary material on the articles] Ugolovnyi kodeks RSFSR. Ofitsialnyi tekst s izmeneniiami na 10 sentabria 1966 g. i s prilozheniem poiskalno-sledstvennykh mater'ialov. Moskva, Iurid. lit-ra, 1966, 251 p.

RUSSIA (R.S.F.S.R.) Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the R.S.F.S.R., seventh session, August 16-17, 1966; verbatim report] Zasedaniia Verkhovnogo Soveta RSFSR shestogo sozyva, sed'maia sessiia (16-17 avgusta 1966 g.); stenograficheskii otchet. [Moskva] 1966, 199 p.

RUSSIA (U.S.S.R.) Verkhovnyi Sovet. [Meetings of the Seventh Supreme Soviet of the U.S.S.R., first session, August 2-3, 1966, verbatim report] Zasedaniia Verkhovnogo Soveta SSSR sed'mogo sozyva, pervaiia sessiia (2-3 avgusta 1966 g.); stenograficheskii otchet. Moskva, 1966, 278 p.

[STANDARD FIRESAFETY REGULATIONS FOR APARTMENT HOUSES, ADMINISTRATIVE BUILDINGS, HOSTELS, HOTELS, AND PRIVATE GARAGES] Tiudovye pravila požarnoi bezopasnosti dlia zhilykh domov, administrativnykh zdani, obshchestvnykh gostinits i individual'nykh garazhov. Moskva, Stroizdat, 1966 16 p.

SVERDLOVSKII IURIDICHESKII INSTITUT. [An aid to the students of the People's Law University] V pomoshch' slushatellam Narodnogo universiteta pravovykh znaniy. Sverdlovsk, Sredne-Ural'skoe knizhnoe izd-vo, 1964. 147 p. (CSI-II)

TAJIK S.S.R. Constitution. [Constitution (fundamental law) of the Tajik Soviet Socialist Republic] Tozhihiston Sovet Sotsialistik Respublikasining Konstitutsiyasi (asosiy qonuni), To'likiston SSR Sovetlar fa'aliyodlari VI sessiya tomonidan 1937 yil 1 marta tasdiqlangan. 1965 yil fa'aliyatlari uchun qonun va qushimcha qonunlar. Dushanbe, Ifon, 1965. 30 p. [In Uzbek]

TAJIK S.S.R. Verkhovnyi Sovet [Meetings of the Sixth Supreme Soviet of the Tajik S.S.R., fourth session, December 22-23, 1964, verbatim report] Zasedaniya Verkhovnogo Soveta Tadzhikskoi SSR shestogo so'zya (chetvertaya sessiya) 22-23 dekabr 1964 goda, stenograficheskiy otchet [Dushanbe, 1965] 477 p. [In Tajik, Russian, and Uzbek]

UKRAINE. Laws, statutes, etc. [The criminal procedure code of the Ukrainian S.S.R., with amendments as of July 1, 1963] Kryminal'no-protsessual'nyi kodeks Ukrainy kol SSR, iz zmiuny i dopovneniuy na 1 lipnia 1963 roku. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 222 p. (NN)

## 8. EDUCATION

AKADEMIA PEDAGOGICHESKIIH NAUK RSFSR, Institut obshchego i politicheskogo obrazovaniya. [For success in promoting all pupils; from the work practice of teachers of primary grades of the Altai Territory] Za rabotu bez vtorogodnikov, iz opyta raboty uchitelei nachal'nykh klassov Altai'skogo kraia. Pod red. M.S. Vasil'eva i T.G. D'akonovoi. Moskva, Prosveshchenie, 1964. 141 p. (NIC)

AKADEMIA PEDAGOGICHESKIIH NAUK RSFSR, Institut vecherinki (smennykh) i zauchnykh shkol'nykh shkol'. [Inculcation of the Communist attitude toward work in students of evening schools] Vospitanie kommunisticheskogo otnosheniya k tuudu u uchashchikhsya vecherinki shkol'. Pod red. L.A. Vysotskoi. Moskva, Prosveshchenie, 1964. 114 p. (Pedagogicheskoe chitaniya) (NIC)

BELOZEROV, S.E., ed. [Rostov State University, 1915-1965, articles, memoirs, documents] Rostovskiy gosudarstvennyi universitet, 1915-1965, stat'i, vospominaniya, dokumenty. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1965. 356 p. (MI)

BELENZINAK, IE.S. [Problems in the supervision of the work of schools and teachers] Pytaniya inspektirovaniya raboty shkol' i vchytel'n. Kyiv, Radnars'ka shkola, 1964. 279 p. (NN)

BURISKOVA, M.E. [Health days in school] Dni zdorov'ya v shkole. Moskva, Prosveshchenie, 1965. 42 p. (NIC)

CHUMAKOV, P.A., ed. [Sports games] Sportivnye igry. Moskva, Fizkul'tura i sport, 1965. 400 p.

DEMUROVA, E.IU., and L.F. OSTROVSKAYA, comps. [The head of a kindergarten] Zavedushchaya detskimi sadom. Moskva, Prosveshchenie, 1966. 142 p. (NIC)

D'ACHIKOV, V.M. [Always young] Vechno molodye. Moskva, Znanie, 1967. 60 p. [Novoye v zhizni, nauke, tekhnike X Seiya Molodezhnaya, 5]

ESTONIAN S.S.R. Korgem ja Keskerihariduse Komitee. [Manual for technical schools and other secondary vocational schools of the Estonian S.S.R.] Eesti NSV tehnikumi ja muud keskeri-koopasutused, tootmisk. Tallinn, 1965. 69 p. [In Estonian]

GAGARIN, S.P. [The work of the Ul'yanovsk Province party organization in strengthening the ties of schools with life, 1956-1963] Detal'nosti' Ul'yanovskoi oblasti partiinoi organizatsii po ukrepleniiu svyazi shkoly s zhizn'iu, 1956-1963 gg. [Sarotov] Privolzhskoe knizhnoe izd-vo, 1964. 35 p. (CSI-II)

GLINTERNIK, A.M. [68 lessons on health] 68 urokov zdorov'ya. [Moskva] Profizdat, 1967. 117 p.

GOL'DBERG, A.M. [Characteristics of independent written language of deaf students (2d-4th grades)] Osobennosti samostoiatel'noi pis'mennoi i epi'klicheskoi shkol'nikov (II-IV klassy). Moskva, Prosveshchenie, 1966. 236 p.

GORA, P.V. comp. [Practice in studying the history of the Middle Ages in the 6th grade] Opyt izucheniya istorii srednikh vekov v VI klasse. Moskva, Prosveshchenie, 1965. 209 p. (NIC)

GRANIL'SHIKOV, I.U.V., S.G. VEITSMAN, and V.F. SHIMANOVSII. [Mountain beekeeping] Goriyiy tsel'nik. Moskva, Fizkul'tura i sport, 1966. 110 p.

GUTERMAN, V.A. [A source of vitality and health] Istochnik bodeshi i zdorov'ya. Moskva, Znanie, 1967. 31 p. [Narodnyi universitet. Fakul'tet zdorov'ya, no.3]

[I MADE A WREATH] Pina vainadzhu. [Riga] 1966. 108 p. [In Latvian]

[IN THE RING] Na ringe, sbornik statei. Moskva, Fizkul'tura i sport, 1966. 188 p.

[INTERNATIONAL EDUCATION OF WORKERS] International'noe vykhovaniya trudiaschikh. Kyiv, Naukova dumka, 1966. 191 p. [Mizhvidomochiy i respublikan'skyy zbnyk]

IURZHENKO, O.I., PERSHINA, Z., and H. VIAZOVSKIY. [Odessa University is 100 years old] Odes'komu universitetu sto rokiv. Odesa, Vyd-vo Minsk, 1965. 99 p. (CU)

KORPUT, E.V. [Tennis tactics] Taktika tenisa. Moskva, Fizkul'tura i sport, 1966. 111 p.

MATVEEVA, L.G. [Do we always understand them?] Vsegda li my kh ponimayem? Moskva, Znanie, 1966. 77 p. [Narodnyi universitet. Pedagogicheskii fakul'tet, no.12]

MYKHAILOV, M.I. [Kiev Dynamo] "Dynamo," Kyiv, Zdorov'ya, 1966. 83 p.

NAUCHNO-ISSI'DOVATELSKII INSTITUT PEDAGOGIKI, Minsk. [Use of technical aids in instruction in schools of general education; collection of reports, read at the Republic Scientific and Practical Conference in Minsk in 1964] Issledovanie tekhnicheskikh sredstv v uchebno-vospitatel'noi rabote obshcheobrazovatel'nykh shkol', sbornik dokladov, prechitanykh na respublikansko nauchno-prakticheskoi konferentsii v g. Minske v 1964 g. Pod red. N.S. Molochko. Minsk, Narodnaia asveta, 1965. 63 p.

[ON THE COMMUNIST EDUCATION OF STUDENTS] O kommunisticheskom vospitanii uchashchikhsya, sbornik statei. Ufa, Bashkirskoe knizhnoe izd-vo, 1965. (CSI-II)

PITOV, V.I., and V. POPOV. [Study communism, from the practice of educational work in the schools of higher education in the Ukrainian S.S.R.] Uchib'sya kommunizmu, iz opyta vospitatel'noi raboty v vuzakh Ukrain'skoi SSR. Kiev, Izd-vo polit. lit-ry Ukrainy, 1965. 261 p. (IU)

PLUNGAN, E.M. [Learn to study independently] Uchib'sya rabotat' samostoiatel'no. Moskva, Prosveshchenie, 1965. 118 p. (NIC)

POSTUPAL'SKAYA, M.I. [Discovery of the world] Otkrytiye mira. Moskva, Znanie, 1967. 79 p. [Narodnyi universitet. Pedagogicheskii fakul'tet, no.1]

RUSSIA (U.S.S.R.). Uchebno-metodicheskii kabinet po srednemu spetsial'nomu obrazovaniiu. [Programmed instruction] Programmirovannoe obucheniye. Moskva, Vysshaya shkola, 1965. 37 p. [MICROFILM]

RUSSIA (U.S.S.R.). Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. [Program for a course in scientific communism; for institutions of higher education] Programma kursa nauchnogo kommunizma, dlia vysshikh uchebnykh zavedenii. Moskva, Mysl', 1967. 31 p.

RUSSIA (U.S.S.R.). Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. [Program for the course in the history of philosophy for the institutions of higher education (70 hours)] Programma kursa istorii filosofii dlia vysshikh uchebnykh zavedenii (70 chasov). Moskva, Mysl', 1967. 51 p.

SEMINAR "PROGRAMMIROVANNOE OBUCHENIE I OBUCHAIUSHCHIE MASHINY." [Reports of the Seminar "Programmed Instruction and Teaching Machines"] Seminar "Programmirovannoe obucheniye i obuchaiushchie mashiny" [doklady] Kiev, Naukova dumka No 4. 1965. 114 p.

SMAROV, V.I. [Soccer, tactical combinations in placing the ball into play] Futbol, takticheskie kombinatsii pri vvedenii miacha v igru. 2, 1/2, 1/4, 1/8 dop. Moskva, Sovetskaya Rossiya, 1966. 108 p.

SLAVINA, I.S. [Children with affective behavior] Deti s afektivnym povedeniem. Moskva, Prosveshchenie, 1966. 148 p.

[SPORTS STARS] Sportivnye sozvezdie. Moskva, Sovetskaya Rossiya, 1967. 195 p.

STREZIKOZIN, V.P. [Organization of the process of teaching in school] Organizatsiya protsessa obucheniya v shkole. Moskva, Prosveshchenie, 1964. 276 p. (NIC)

[TRAINING FEMALE GYMNASTS ACCORDING TO THE CLASSIFICATION PROGRAM FOR 1966-1969, a manual for teachers, trainers, social instructors and activists gymnasts] Podgotovka gimnastov-zhenshchin po klassifikatsionnoi programme 1966-1969 gg., uchebnoe posobie dlia prepodavatelei, trenerov, obshchestvennykh instruktorov i aktivnykh gimnastov. Moskva, Fizkul'tura i sport, 1966. 149 p.

[TRAINING MALE GYMNASTS ACCORDING TO CLASSIFICATION PROGRAM FOR 1966-1969, a manual for teachers and trainers in gymnastics of school sections, children's sports schools, youth schools and physical culture groups] Podgotovka gimnastov-muzhchin po klassifikatsionnoi programme 1966-1969 gg., uchebnoe posobie dlia prepodavatelei, trenerov, obshchestvennykh instruktorov i aktivnykh gimnastov. Moskva, Fizkul'tura i sport, 1966. 182 p.

TRAPETNIKOVA, T.Z., comp. [Problems of education during Russian seasons, attitudes on work practice] Voprosy vospitaniya na uchebnykh i usakogo izyuka, sbornik statei iz opyta raboty. Leningrad, Prosveshchenie, 1965. 116 p. (NIC)

[20 YEARS OF THE LATVIAN STATE INSTITUTE OF PHYSICAL CULTURE] Latvijas Valsts fiziskas kulturas instituta 20 gadi. Latvijas komunistiskajam savienotajam latviskajam kulturas institutam 20 gadu. Riga, Zvaigzne, 1966. 1 v. [Chiefly in Russian] [Parallel texts in Latvian and Russian]

UZBEK S.S.R. Ministerstvo prosveshcheniya. [Secondary school programs for 1966/67. Physical education for 9th and 10th grades] Programmy srednei shkol'y na 1966/67 uchebnyi god. Fizicheskoe vospitanie dlia IX-X klassov. Tashkent, Uchitel', 1966. 34 p.

VERZINA, A.K. [Geographical games in school; from work experience] Geograficheskie igry v shkole; iz opyta raboty. Moskva, Prosveshchenie, 1966. 60 p.

ZVOLINSKAYA, I.U. [Didactic material on the Russian language for grade 4 of the two-grade school] Didakticheskiy material po russkomu izyuku dlia IV klassa dvuklassnoi shkol'y. Izd. 3. Moskva, Gos. uchebno-pedagog. izd-vo, 1962. 175 p. (NIC)

## 9. MUSIC, THEATER & MOTION PICTURES

ALIEVA, ADEL' [M.F. Akhundov and the theater; stage history of dramaturgy] M.F. Akhundov i teatr; k istorii i istorii dramaturgii. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966. 100 p.

BEILIN, A. Arkadii Raikin. [Leningrad, Iskusstvo, 1960] 182 p. illus. (NIC)

BEREZKIN, V.I. [The artist and the performance] Khudozhnik i spektakl'. Moskva, Znanie, 1967. 77 p. [Narodnyi universitet. Fakul'tet literatury i iskusstva, 2]

BILETS'KA, L.K. [Soviet Ukrainian theater today] Ukrains'kyi radnars'kyi teatr s'ochodni. Kyiv, Znanina, 1965. 39 p. (CAOTU)



CHUDHOVSKII, M. A. [A director produces an opera, the creative path of B. A. Pokrovskii, people's artist of the U.S.S.R.] Rezhissers stavil' operu, tvorcheskii put' narodnogo artista SSSR B. A. Pokrovskogo. Moskva, Iskustvo, 1987. 214 p.

[COMEDIANS OF THE WORLD SCREEN] Komiki mirovogo ekrana. Moskva, Iskustvo, 1986. 285 p. illus.

GABOVICH, M. M. [Inspired flight, the art of ballet] Dushoi' ispolnennyi polet, ob iskusstve baleta. [Moskva] Molodai' gvardiia, 1966. 170 p.

GUDRIKE, DMITA. [Heart given to the stage, Paula Baitabola in her life and art] Skatuvei' atdota sirds, Paula Baitabola dzive un miksia. Riga, Liesma, 1986. 218 p. [In Latvian]

HAKKEBUSH, V. V. [Encounters with theaters abroad] Zustrichi z zarubizhnymi teatrami. Kyiv, Mystetstvo, No. 2, 1986. 183 p.

IABLOCHKINA, A. A. [75 years in the theater] 75 let v teatre. Moskva, Vseros. teatr ob-vo, 1986. 445 p.

IAKUBOV, M. A. [Sergei Agabov, 1926-1959, a sketch of his life and work] Sergei Agabov, 1926-1959, ocherk zhizni i tvorchestva. Moskva, Muzyka, 1966. 157 p.

IEFREMOVA, L. P. ["Forest song," an opera by V. Kyrelo] "Lisova pisnia", opera V. Kyrelo. Kyiv, Mystetstvo, 1985. 49 p. (CaOTU)

KHOPNITSKAIA, M. IA. [A study of the traditional dances of the peoples of Yakutia] Opyt izuchenia traditsionnykh tantsev narodov Iakuti. Moskva, 1964. 10 p. (International congress of anthropological and ethnological sciences. 7th, Moscow, 1964. [Papers, no. 2]) (CaQMAI)

MARCHENKO, T. A. [The art of being a spectator, or, An invitation to an argument] Iskustvo byt' zritelem, ili, Priglasenie k sporu. Leningrad, Iskustvo, 1986. 237 p.

MOSKOVSKII TEATR SATIRY. [A theater which laughs, ridicules and educates] Teatr, kotoryi smeetsia, izdevaetsia i utverzhdaet. [Moskva, Iskustvo, 1966] 1 v. (chiefly illus.)

[MY ROLE] Moia rol', sbornik statei. Moskva, Iskustvo, No. 4, 1986. 56 p. (Reperuar khudozhestvennoi samodeiatel'nosti, no. 8)

[ON WINGS OF SONG, a songbook] Na krylakh piseni, pisennyy [Kyiv, Mystetstvo, 1986] 287 p.

INDKULE-ZEMZARE, DZIDRA, and ARVIDS ZILINSKIS. [Woodpecker's smilhy, songs in verse Translated from Latvian] Kuznitsa daitla, stikhi-pesni Riga, Liesma, 1986. 41 p.

RUSSIAN MUSIC AT THE TURN OF THE 20TH CENTURY, articles, reports, publications] Russkaia muzyka na rubezhe XX veka, stat'i, soobshcheniia, publikatsii. Moskva, Muzyka, 1986. 29 p.

[SCHOOLCHILD'S MUSIC CALENDAR, 1987] Myzkal'nyi kalendar' shkol'nika, 1987. [Moskva, Muzyka, 1986] 1 v.

SVITKOVA, K. G. [Folk songs of Bryansk Province] Narodnye pesni Bryanskoi oblasti. Moskva, Muzyka, 1986. 240 p.

VOLYN'S'KYI, I. Z. [Anatoli Isopovich Kos-Anatol'skii; a sketch of his life and work] Anatoli Isopovich Kos-Anatol's'kyi, narys pro zhyttia i tvorchist'. Kyiv, Mystetstvo, 1985. 74 p. (CaOTU)

ZHAROV, M. I. [Life, theater, motion pictures, reminiscences] Zhizn', teatr, kino; vospominaniia. Moskva, Iskustvo, 1987. 379 p.

ZHUKOVA, L. L. [Art of opera] Iskustvo operey, Moskva, Znaniie, 1967. 76 p. (Narodnyi universitet. Fakul'tet literatury i iskusstva, no. 1)

## 10. FINE ARTS

[AFRICAN ART] Iskustvo Afriki. Moskva, Nauka, 1967. 100 p.

[ART AND THE PEOPLE] Iskustvo i narod. Moskva, Nauka, 1966. 284 p.

BORISOVSKII, G. B. [Man as the measure of things] Chelovek - mera veshchei. Moskva, Iskustvo, 1966. 140 p.

CHESNOKOVA, G. A. [Designing barbershops and hair-dressing establishments] Proektirovanie parikmacherskikh. Moskva, Strotizdat, 1960. 87 p.

FAVORSKII, V. A. [About artists, creative work, and books] O khudozhnikakh, o tvorchestve, o knigakh. [Moskva] Molodai' gvardiia, 1966. 125 p. illus.

GOSUDARSTVENNYI ERMITAZH. [Spanish painting of the 16th and 17th centuries] Ispanaskaia zhivopis' XVI-XVII vekov. [Leningrad, Izd-vo Gos. Ermitazha, 1963] 4 p. 20 illus. (in portfolio) (InNd)

GOSUDARSTVENNYI ERMITAZH. [Treasures of Scythian kurgans in the collection of the State Hermitage] Sokrovischisa skifskikh kurganov v sobranii Gosudarstvennogo Ermitazha. Tekst M. I. Artamonova. Piatig, Artia [1966] 120 p. illus.

IAGODOVSKAIA, A. T. Mikhail Aleksandrovich Vrubel'. Leningrad, Khudozhnik RSFSR, 1966. 62 p. illus. (Narodnaia biblioteka po iskusstvu)

INSTITUT ISTORIИ ISKUSSTV. [The Renaissance, Baroque, and Classicism, the problem of style in West European art of the 16th-17th centuries] Renessans, barokko, klassitsizm, problema stiliei v Zapadno-Evropeiskom iskusstve XV-XVII vekov. Moskva, Nauka, 1966. 347 p. illus.

IZOTOV, E. [Leningrad porcelain, 24 reproductions of the work of the Leningrad masters of artistic porcelain] Leningradskii farfor, dvadtsat' chetyre reprodukcii proizvedenii leningradskikh masterov khudozhestvennogo farfora. [Leningrad, Khudozhnik RSFSR, 1966. 60] p. 24 plates. (MII)

KONIAKHIN, G. P. A. I. Kulmizhi. Moskva, Iskustvo, 1966. 102 p.

KUCHERENKO, G. A. [Aesthetic diversity of the art of socialist realism, form, style, and method] Esteticheskoe mnogobrazie iskusstva sotsialisticheskogo realizma, manera, stil', metod. Moskva, Sovetskii khudozhnik, [1966] 228 p.

KUZNETSOV, E. D. Vera Ignat'evna Mukhina. [Leningrad] Khudozhnik RSFSR, [1966] 54 p. illus. (Narodnaia biblioteka po iskusstvu)

LAZAREV, V. N. [Mosaics of the Archangel Michael Cathedral, with an appendix of V. I. Levitskii's article "About the palette of the mosaics of the Archangel Michael Cathedral"] Mikhailovskie mozaiki; a prilozheniem stat'i V. I. Levitskoi "O pallire mikhalovskikh mozaike." Moskva, Iskustvo, 1966. 269 p. (chiefly illus.)

LE NAIN, LOUIS, ANTOINE LE NAIN, and MATHIEU LE NAIN. [The brothers Le Nain] Brat'ia Lenon. Moskva, Sovetskii khudozhnik [1966] 1 v. (chiefly illus.)

LIASKOVSKAIA, O. A. [Russian open air painting of the 19th century] Plenier v russkoi zhivopisi XIX veka. Moskva, Iskustvo, 1966. 188 p. illus.

LINDIN, S. I. Nikolai Nikolaevich Skokov. Leningrad, 1965. 32 p. illus. (Khudozhniki Rossiiskoi Federatsii) (NIC)

MAN'KOVSKII, V. S. [Acoustics of studios and halls for audio reproduction] Akustika studii i zalov dlia zvukovosproizvedeniia. Moskva, Iskustvo, 1966. 374 p.

[MARTINS OZOLINS; album of reproductions] Martins Ozolins, [reprodukciju albuma]. Riga, Liesma, 1966. 79 p. (chiefly illus.) [In Latvian and Russian]

MIKHAILOVA, A. A. [Conventional nature of art] O khudozhestvennoi uslovnosti. Moskva, Myai', 1966. 317 p.

[MYKOLA BUTOVYCH; a monograph. The autobiography of M. Butovych and an article by V. Sichyn's'kyi] Mykola Butovych; monografiia. Avtobiografiia M. Butovycha i statlia V. Sichyn's'koho. New York, Slovo, 1956. [25] p. 20 plates. (NY)

PIMENOV, IU. I. [Art of life or art of nothing] Iskustvo zhizni ili iskusstvo nichego. Moskva, Iskustvo, 1960. 57 p. illus. (MI-FA)

[RIGA DOM] Rigas Doma, Riga, Liesma, 1966. 63 p. (chiefly illus.) [In 5 languages]

SAVRASOV, A. K. Aleksel Kondrat'ovich Savrasov. Moskva, Sov. khudozhnik [1965] 9 p. 39 plates [In Russian, English, French, and German] (MII)

SOLOUKHIN, V. A. [Native beauty, why we must study and preserve old monuments] Rodnaia krasota, pika chego nado izuchat' i borych' pamiatniki stariiny Moskva, Sovetskii khudozhnik [1966] 20 p. (Povedy ob iskusstve)

TARANUSHENKO, STEFAN. [P. D. Maitynovich, a sketch of his life and work] P. D. Maitynovych, narys pro zhyttia i tvorchist'. Kyiv, Derzh. vyd-vo obrazotvorchoho mystetstva i muzychnoi lit-ry, 1958. 35 p. (CaOTU)

[WORLD HISTORY OF ARCHITECTURE IN 12 VOLUMES] Vseobshchana istoriia arkhitektury v 12 tomakh. Glav. red. kollegiia: N. D. Kolli (glav. red.) 1 di. Leningrad, Strotizdat. Vol. 4. [Architecture of Western Europe; the Middle Ages] Arkhitektura Zapadnoi Evropy, srednie veka. 1966. 692 p.

[WORLD HISTORY OF ART IN SIX VOLUMES] Vseobshchana istoriia iskusstva v shesti tomakh. Red. kollegiia: B. V. Volman i dr. Moskva, Iskustvo, Vol. 6. Veimann, B. V., and W. D. Kolpashnik, eds. [Art of the 20th century] Iskustvo 20 veka. Book 2. 1966. 407, cxiv p. illus.

## 11. LANGUAGE, LITERATURE & FOLKLORE

ADASHIDZE, GRIGOL. [Verse and poems. Translated from Georgian] Shikholvorenlia i poemy. Moskva, Goslitizdat, 1961. 222 p. (Biblioteka sovetskoi prozai) (MII)

ABDULLIN, I. A. [The heart burns without a flame] Ialkynhyz jana iocik. Ofo, Bashkortostan khar mehliriete, 1965. 198 p. [In Bashkir]

ABDUMAVLIANOV, A. A., and A. A. DABAKHANOV. [History of Uzbek literature] Istoriia uzbekskoi literatury. Tashkent, Uchil'ti, 1966. 246 p.

ADAMOV, A. G. [The Tracks of the fox, a tale] Stod italey, povest'. [Moskva] Molodai' gvardiia, 1966. 286 p. (TEN)

ADZEMIAN, S. N. [The firebird, Zhar pitsa. Armenian Armenian gos. Izd-vo] 1966. 103 p. [In Armenian] (InU)

ADZHEMIAN, G. G. [The gardens are burning. Sady goriat. Erevan, Aistat] 1966. 621 p. [In Armenian]

AFANAS'EV, P. [The stern heart, story of a mother] Strogoe sardae; russkay matori. [Tambov] Tambovskoe knizhnoe izd-vo, 1962. 27 p. (Knizhka-rasskar)

AINI, SADRIDDIN. [Proverbs and sayings in the works of Sadriddin Aini] Zarbulmagal va makolicho dar asarkho Sadriddin Aini. Shakhobod, Naphrieti davaliti Tochi-kistan, 1958. 102 p. [In Tajik] (InU)

AKADEMIIA NAUK SSSR. Institut mirovoi literatury. [Paths of the development of the Soviet multinational literature] Puti razvitiia sovetskoi mnogonatsional'noi literatury. Moskva, Nauka, 1967. 317 p.

AKHIMATOVA, A. A. [Verse, 1909-1965] Shikholvorenlia, 1909-1965. [Moskva, Sovetskii pisatel', 1966] 408 p. (DoU)

AKHTAMARTSI, GRIGORIS. [Verse of the 16th century. Research, critical text and commentaries of Mnfa Avdabekian. Shikhi] XVI v. issledovanie, kriticheski tekst i kommentarii Mnfa Avdabekian. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1963. 387 p. (Armianskoe srednekovoye liriki, no. 6) [In Armenian] (All)

AKSHINSKII, V. S. [Lands of the dawn; verse] Krata rassvetovoy; stikhi. [Moskva] Sovetskaiia Rossiia, 1960. 62 p. (NIC)

[ALARMS FOR OUR SAKE] Trevozi radi nas. Moskva, Izd-vo gazoty "Krasnaia zvezda," 1966. 30 p. (Biblioteka "Krasnoi zvezdy," no. 22(202))

ALEKSANDROVSKII, V. N. [Iul'ka; a tale] Iul'ka; povest'. Moskva, Sov. Rossiia, 1967. 169 p.

- ALEKSEEV, M. P. [Shakespeare and Russian culture] *Shekspir i russkaya kul'tura*. Poj ed. M. P. Alekseeva. Moskva, Nauka, 1965. 699 p. illus. (PSC)
- ALIMBAEV, MUZAFAR. [Why and wherefore, verse for children] *Otchego da pochemu, stikhi dlia detei*. Alma-Ata, Kazakhskoe gos. izd-vo khudozh. lit-ry, 1961. 45 p. (IU)
- AMESULASHVILI, SH. Z. [Ballads. Ballady. Tbilisi, Sabchota Sakartvelo] 1966 120 p. [In Georgian]
- AMLINSKI, V. I. [Dark clouds have risen above the city, tale, stories] *Tuchi nad gorodom vsiali, povest', rasskazy*. Moskva, Sovetskii pisatel', 1966. 270 p. (NIC)
- ANNST, AUGUST. [Origin and artistic peculiarities of Friedrich Reinhold Kreutzwald's fairy tales] *Friedrich Reinhold Kreutzwald muinasjutade algupara ja kunstiline laad*. Tallinn, Eesti Raamat, 1966. 440 p. [In Estonian]
- ANTONOV, N. G. [The big world of little Nina, a novel. Look straight in the face, a novel] *Boi'stoi mli Nurya malen'kol, roman. Smotri pramo v lico, roman*. [Moskva] Moskva, rabochii, 1967. 500 p.
- ANTONOV, S. P. Alenka. [Moskva, Khudozh. lit-ra, 1965] 122 p. (CU)
- ARKHANGEL'SKII, V. V. [Youth of the new era, a tale] *Yunost' novogo veka, povest*. Moskva, Detskaya lit-ra, 1967. 292 p.
- [ARMENIA IN BRIUSOV'S POETRY] *Armenia v poezii Briusova*. Erevan, Aistat, 1966. 38 p.
- ARTAMONOV, S. D., Z. T. GRAZHDANSKAIA, and R. M. SAMARIN. [History of foreign literature of the 17th-18th centuries] *Istoriia zarubeznoi literatury XVII-XVIII vv.* Izd. 3. Moskva, Prosveshchenie, 1967. 854 p.
- ASTURIAS, M. A. [Weekend in Guatemala. Translated from the Spanish] *Uk-end v Gvatemale*. Moskva, Izd-vo Inostr. lit-ry, 1961. 236 p. (OU)
- AYRAMENKO, I. K. [Verse and poems. Stikhoivorenija i poemy. Novosibirsk] *Zapadno-Sibirskoe knizhnoe izd-vo*, 1960. 219 p. (Biblioteka sibirskoi poezii)
- DABAIEV, E. G. [Tolstol on art] *Tolstol ob iskusstvo*. Tula, Priokskoe knizhnoe izd-vo, 1966. 47 p.
- BAIANOV, A. F. [An eternally blue sky] *Menge zanger kugebez, stigyr'lei hem poema*. Kazan, Tatarstan kilap neshritaty, 1966. 60 p. [In Tatar]
- BAIGULOV, I. M. [Handful of grain] *Gors' kolos'ev*. [Perm'] Permskoe knizhnoe izd-vo, 1966. 54 p.
- BAITANAIEV, AMANTAI. [The steppe began to resound, a novel] *Step' zashumela, roman*. Alma-Ata, Zhazashy 1965. 237 p. [In Kazakh] (MI)
- BALASHOV, N. I., I. N. GOLENISHCHEV-KUTUZOV, and A. D. MEDVILLOV, eds. [Dante and world literature] *Dante i vseмирnaya literatura*. Moskva, Nauka, 1967. 254 p.
- BALZAC, HONORE DE. [The unknown chef-d'oeuvre. The search for the absolute] *Navedomyi shodovr. Pol'ski Absoluta*. Moskva, Nauka, 1966. 235 p.
- BATSIEVA, S. M., ed. [Soup and sun, novellas of Iraqi writers. Translated from Arabic and Kurdish] *Sup i solntse; novelli irakskikh pisatelei*. Moskva, Nauka, 1965. 86 p. (Sovremennaya vostochnaya novella) (CU)
- BAZHYNNOV, I. D. [Here and the time] *Horoi i chas*. Kyiv, Naukova dumka, 1965. 119 p.
- DEDNYI, B. V. [Girls. Hot sun; a tale and stories] *Devchata. Zharkoe solntse, povest' i rasskazy*. Moskva, Sov. pisatel', 1967. 517 p.
- DERDNYK, OLES'. [A specter walks the earth] *Prizrak idet po Zemle*. Moskva, Detskaya lit-ra, 1966. 172 p.
- BERSHADSKII, V. A. [Surprise, verse and poems] *Udivlenie; stikhi i poemy*. Odessa, Malak, 1966. 161 p. (IU) (INU)
- BHARATI, SUBRAHMANYA. [Verse. Translated from the Tamil] *Sukhotvo enila*. Leningrad, Gos. izd-vo khudozh. lit-ry, 1933. 165 p. (NN)
- BICHANTAEVA, A. A. [I understand you] *Min aniyim sine*. Kazan, Tatarstan kilap neshritaty, 1966. 147 p. [In Tatar]
- BIMBASOV, M. F. [A reader for the first grade of the primary school] *Kacsynny chinyg raldafan sk'olaty 1-ag k'lassem*. Ordzhonikidze, Tsagat Irystony chinguyly raung'lad, 1957. 151 p. illus. [In Ossetic] (InU)
- BIRUKOVA, A. N. [Born twice; a tale] *Dvazhdy rozhdenyi, povest'*. [Tashkent] "Tashkent", 1966. 210 p.
- BLAKHIN, PAVEL. [Little red devils, a tale] *Krasnye d'voliani, povest'*. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 93 p.
- BLYSKII, D. I. Lada. [Moskva] Moskovskii rabochii, 1966. 110 p.
- BOL'SHAKOV, L. N. [Lev Tolstol; researches and finds] *Lev Tolstol, poiski i nakhodka*. [Chekhovsk] Uzhno-Ural'skoe knizhnoe izd-vo, 1964. 101 p.
- BONDARENKO, B. E. [Look for the sun in the dead of night; a tale] *Ischle solntse v glukhota polnoch', povest'*. [Moskva, Molodaa gvardia, 1967] 303 p.
- BRIUSOV, VALERII, ed. [Poetry of Armenia from ancient times to the present in translations by Russian poets] *Poezia Armenii s drevnelshikh vremen do nashikh dni, v perevode russkikh poetov*. Erevan, Aistat, 1966. 511 p.
- BRUSHTEIN, A. IA. [The road vanishes in the distance] *Doroga ukhodit v dal'*. Moskva, Khudozh. lit-ra, 1965. 2 v. (CU)
- BUBNOVA, O. V. [Morning dew; a tale] *Utrennie rosy; povest'*. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 206 p.
- BULIN, VICTOR. [Days gone by in vain] *Pro darom minuvshie dni*. Cleveland, Izd. avlora, 1966. (CSI)
- BURDYKIN, B. E. [Understudy] *Dubler*. [Perm'] Permskoe knizhnoe izd-vo, 1965. 43 p. (Rasskazy o sovetskikh ludiakh)
- BURLAI, IU. S. [Fighter for the new life, about Dmytro Pavlychko] *Boets' zhytla novoho, pro Dmytra Pavlychka*. Kyiv, Molod', 1963. 101 p. (NN)
- CHEKHOV, Moskva, Izd-vo Akad. nauk SSSR, 1960. 969 p. illus., facsim. (OO)
- CHEKMARIOV, SERGEI. [Selected lyrics. Izbrannaya lirika. Moskva] *Molodaa gvardia*, 1964. 20 p. (Biblioteka izbrannoi liriki) (NN)
- CHISTIAKOV, A. M. [Wings grow stronger in flight, a tale] *Krylia kreput' v polete; povest'*. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1965. 133 p. (NIC)
- CHIKHAN, M. A. [Ozonka, poetry] *Ozonka, poezii*. Kyiv, Rad. pys'mennyk, 1967. 74 p.
- CHUKASZIAN, B. L. [Armenian-Persian literary relations in the 18th century; research] *Armenio-Iranskoe literaturnye svyazi v XVIII vv., razyskania*. Erevan, Izd-vo AN Armianskoi SSR, 1963. 245 p. [In Armenian] (InU)
- CHUKOVSKII, K. I. [Collected works in six volumes] *Sobranie sochinenii v shesti tomakh*. Moskva, Khudozh. lit-ra, Vol. 4. [Nekrasov's artistry] *Masterstvo Nekrasova*, 1966. 764 p.
- CHUKOVSKII, K. I. [Fairy tales] *Skazki*. Moskva, Detskaya lit-ra, 1966. 126 p.
- CHUKOVSKII, K. I. [Tsokolukha, the fly] *Mukha - Tsokolukha*. Moskva, Detskaya lit-ra, 1966. 13 p. (Biblioteka detskogo sada)
- [CRIMEAN LEGENDS] *Krymskie legendy*. Simferopol', Krymizdat, 1957. 145 p. (OCI)
- [DANOS; Lithuanian folk songs] *Dainy, litovskie narodnye pesni*. Vilnius, 1965. 210 p. illus. (NIC)
- DAUTARTAS, V. [I am knocking at the door, novellas. Translated from Lithuanian] *Stuchus' v dver'*, novelli Vilnius, Vaga, 1966. 385 p.
- DERBENEV, K. M. [Unknown faces. Wrong address. Unreachable secret, adventure tales] *Neizvestnye lica. Oshibchinyi adres. Nedostupnaya taina, priklucheniesskie povesti*. Iaroslavl', Verkhne-Volzhskoe knizhnoe izd-vo, 1965. 433 p.
- DESHIERIEV, IU. D. [Regularities of the development and interaction of the languages in the Soviet community] *Zakonomenosti razvitiia i vzaimodeistviia iazykov v sovetskoi obshchestve*. Moskva, Nauka, 1966. 401 p.
- DEZSŐ, LÁSZLÓ. [Sketches on the history of the Transcarpathian dialects] *Ocherki po istorii zakarpatskikh govorov*. Budapest, Akademiai Kiado, 1967. 305 p. maps (Inseri)
- DJEBAR, ASSIA. [The dawning day casts light on them. Translated from the French] *Svetli im nastupatushchii den'*. Moskva, Nauka, 1965. 213 p. (CU)
- DMITRIIEV, O. M. [Striking the flint, verse] *Udar po kremniu, stikhi*. Moskva, Sov. pisatel', 1967. 118 p.
- DOMBROVSKII, IU. O. [The keeper of antiquities] *Khranitel' drevnostei*. [Moskva, Sovetskaya Rossiia, 1966] 254 p. illus. (MI)
- DOMOZHAKOV, N. G. [Invitation, verse. Translated from the Khakas] *Pilgnashenie, stikhi*. Kyzyl, Tuvinskoe knizhnoe izd-vo, 1966. 31 p. (IU)
- DOMRIN, V. V. [Lunar horseshoe] *Lunnaia podkova*. Odessa, Malak, 1966. 103 p. (NIC)
- DORICHENKO, OLES'. [Sunrises; poems] *Promeni*, poezii. Kyiv, Rad. pys'mennyk, 1966. 70 p. (CaOTU)
- DZIIDZHESHEVILI, P. A. [Stories. Rasskazy. Tbilisi, Sabchota Sakartvelo] 1966. 151 p. [In Georgian]
- DZHEMIEV, G. S. [Plays] *P'esuetae; nemybygdnd*. Ordzhonikidze, Tsagat Irystony chinguyly raung'lad, 1958. 270 p. [In Ossetic] (InU)
- [EDUARD VILDE IN WORDS AND PICTURES] *Edward Vilde sonad ja pidiis*. Tallinn, Eesti Raamat, 1966. 201 p. illus. [In Estonian]
- EFREMOV, V. [Sketches of the history of Russian literature of the 19th century] *Ocherki po istorii russkoi literatury XIX veka*. Washington, D. C., Izd. knizhnogo magazina V. Kamkin [1966] 351 p. (NJR)
- EGOROV, G. V. [Destruction of Rogov; a tale] *Krushenie Rogova, povest'*. [Barnaul, Altai'skoe knizhnoe izd-vo, 1965] 120 p.
- [ENGLISH-LATVIAN DICTIONARY. About 42,000 words] *Anglu-Latvisu vardsnca*. 2. izdevums, izabots un parstrada, Ap 42 000 vardu. Riga, Liesma, 1966. 1076 p.
- ERLKH, A. I. [Young people; tales] *Molodye ludi; povesti*. Moskva, Sovetskii pisatel', 1967. 634 p.
- ERSHOV, L. F. [Soviet satiric prose] *Sovetskaya satiricheskaia proza*. Moskva, Khudozh. lit-ra, 1966. 200 p.
- ERSHOV, L. F. [The Soviet Russian novel; national traditions and innovations] *Russkii sovetskii roman; natsional'nye traditsii i novatorstvo*. Leningrad, Nauka, 1967. 336 p.
- ERSHOV, P. P. [The little hump-backed horse, a Russian fairy tale in three parts] *Konek-gorbunok; russkaya skazka v trekh chastinkh*. Moskva, Detskaya lit-ra, 1965. 110 p. illus. (Shkol'naya biblioteka dlia nerusskikh shkol) (INS) (MoSW)

- ESKIFL', A. V. [Hymn] Tsvetlitsa. [Chelovek]. Chuvstvennoye slovo, 1959. 141 p. [In Chuvstvennoye slovo] (NU)
- EVTUSHENKO, L. A. [The British Hydroelectric Power Station] Britanskaya GES. [Chuvstvo, Russian Language]. Moscow, 1965. 43 p. (Russian Study Series, no. 50) (NIC)
- EVTUSHENKO, L. A. [The white night] Kuda. London: Pictorial Press, 1966. 221 p. (NIC)
- FERRA, REGINA. [The wild apple tree, Klava Muzpudins' valuation notes] Mezhdia klava Muzpudins' prikladnykh primeneniya. Riga, Litva, 1966. 239 p. [In Lithuanian]
- FAIZI, AKHEMET. [In the Country of Dnieper's Translated from the Tajik] V Stranu Smolenskoy Kazani'. [Literaturno-izdatel'stvo]. Moscow, 1966. 50 p.
- FEDIN, A. A. [Gor'it among us, pictures of literary life] Gor'it sredi nas, izobrazheniya literaturnoi zhizni. [Moskva] Molodaya gvardiya, 1967. 350 p.
- FEDOSEEV, V. I. [The accused is innocent] Podsudimiy ne vinovaten. [Moskva] Molodaya gvardiya, 1966. 285 p. (Reclamant) (CU) (MH) (NIC)
- FOMINA, M. I. [Observations on A.S. Pushkin's editing of his own writings, Pushkin's work on his prose texts "Materials for students in the course "Practical stylistics of modern Russian"] Iz nabliudenii nad primeneniem A.S. Pushkina k svoemu A.S. Pushkinu, rabota Pushkina nad tekstom proizvedeniy protivopostavleniya materialov v pomoshch' izucheniya russkogo yazyka. Moskva: Izdatel'stvo poezii, 1966. 31 p.
- [FOR YOU, CHILDREN, repository and thematic collection] Dlya vas, rebenok, repertuar tematicheskikh sbornikov. Moskva, Sovetskaya Rossiya, 1967. 78 p. [Biblioteka "V pomoishch'" khudozhestvennoi samodeyatelnosti," no. 3]
- FORSHTETER, M. A. [Selected verse, 1910-1959] Izbrannyye stikhotvoreniya, 1910-1959. S predisl. Sergela Makovskogo. Paris, 1960. xii, 69 p. (MH)
- FRANKIMAN, I. [Call me] Pozovi menia. Kishinev, Karim Moldovenastate, 1966. 112 p.
- GAGIOEV, V. M. [Plays] P'esnetiae. Stalinir, Khussar iystony, piddzaadon raug'vad, 1958, 109 p. [In Ossetic] (INU)
- GAIDAR, A. P. Chuk i gck. Moskva, Gos. izd-vo det'skol lit-ry, 1961. 38 p. illus. (FASU)
- GALINS, V. [Antanas Venclova, a monograph] Antanas Venclova, monografine apibrazas. Vilnius, Valstybine grozines lit.-ros leidykla, 1958. 202 p. [In Lithuanian]
- GALUSHEKO, T. K. [Monologue] Monolog. [Leningrad] Lenizdat, 1966. 44 p. (Pervaya kniga poetla)
- GAMZATOV, RASUL. [Mulatto, verse. Translated from Avar] Mulatika, stikhi. Moskva, Sovetskii pisatel', 1966. 135 p.
- GERASIMOV, E. N. [Whither the little river is flowing, tales] Kuda rechka techet, povesti. Moskva, Sovetskii pisatel', 1966. 214 p. (MH)
- GILLER, V. E., and O. M. ZIV. [People trust you, a novel] Vam doveriat'sya ljudi, roman. Moskva, Sov. pisatel', 1966. 542 p. (FASU)
- GENSBURG, L. V. [Abyss, a narrative based on documents] Bez dna, povestovanie, osnovannoe na dokumentakh. Moskva, Khudozh. lit-ra, 1966. 78 p. (Roman-gazeta, no. 21(389))
- GLADKOV, T. K. [John Reed] Dzhon Rid. [Moskva] Molodaya gvardiya, 1966. 239 p. [Zhizn' zamechatel'nykh ljudi. Seriya biografii, no. 15(347)]
- GLENNAN, J. D. [Mollere; a critical and biographical sketch] Mol'er; kritiko-biograficheski ocherk. Moskva, Khudozh. lit-ra, 1966. 278 p.
- GNEUSHEV, V. G., and A. POPUT'KO. [The secret of the Marukh glacier] Tajna Marukhsogo lednika. Moskva, Sovetskaya Rossiya, 1966. 356 p. (NIC) (NRU)
- GOGOL', N. V. [The inspector general, a comedy in five acts] Revizor, komediya v piati deystviyakh. Moskva, Khudozh. lit-ra, 1966. 113 p. (Narodnaya biblioteka)
- GOLOVANOV, S. I. [Endless plain, verse] Ravnilna neodghadana, stikhi. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 46 p.
- GONCHAROV, I. A. [The preceptor, a novel in five parts] Obshy, roman v piati chastiyah. Moskva, Izd-vo Khudozh. lit-ra, 1966. 718 p. (NR)
- GONCHAROV, VIKTOR. [Human imprint, modes] Sted chelovecheskaya lydy. Moskva, Sov. pisatel', 1966. 143 p.
- GOREBOV, I. A. N. [Asunta; a novel] Asunta, roman. Paris, Editions de l'Ore, 1967. 152 p.
- GORCHAK, A. N. [The picture as a tool in development of speech, an aid for the teacher] Kartina kak sredstvo razvitiya rechi, posobie dlia uchitelja. Leningrad, Prosveshchenie, 1965. 138 p. (NIC)
- GORKII, MAKSEM. [Childhood] Detstvo. Moskva, Khudozh. lit-ra, 1966. 213 p. (Narodnaya biblioteka)
- GRIGULIS, ARVIDS. [Collected works in seven volumes] Kopoti raksti septinis skjumos. Riga, Liesma. [In Latvian] Vol. 7. 1966. 668 p.
- GRIN, A. S. [Fandango, a novel, tales and stories, autobiographical sketches] Fandango, roman, povesti i rasskazy, avtobiograficheskie ocherki. Simferopol', Izd-vo Kavkaz, 1966. 541 p.
- GRITS, T. S. [M. S. Shchepkin, a chronicle of his life and work] M. S. Shchepkin, letopis' zhizni i tvorchestva. Moskva, Nauka, 1966. 870 p.
- GROSS, WILLEM. [Average days] Keskmajad pacvad. Tallinn, Eesti Raamat, 1966. 173 p. [In Estonian]
- GUSEV, V. E. [The aesthetics of folklore] Estetika folkloru. Leningrad, Nauka, 1967. 317 p.
- GVARDZIA LAZDE, I. S. [French-Georgian dictionary] Dictionnaire franco-georgien. [Tbilisi, Sabekhta Sakartvelo], Vol. 2. 1963. 814 p.
- HAMALAINEN, JOUKKI, MARIA MIJEJEVA, and TATJANA PERTTUNEN. [Song about the new Sampo, verse] Laulu uudesta Sammosta, runoja. Petroskoi, Karelian ASSNT:n Valtion Kustannusliike, 1959. 187 p. [In Finnish]
- HARTE, BRET. [Collected works in six volumes. Translated from English] Sobranie sochinenii v shesti tomakh. Moskva, Pravda, Vols. 1-3. 1966. 3 v. (Biblioteka "Ogonek") (MH) (NNC)
- HNATHUK, I. F. [Golden rose, poems] Kalyna; poezi. Kyiv, Molod', 1966. 108 p. (INU)
- HRINCHENKO, BORYS. [A farmhouse] Khata. Vyd. 2. New York, Oko, 1965. 23 p. (Deshova Biblioteka krasnoho pys'menska? no. 8) (CU)
- HRINCHENKO, BORYS. [Without bread, stories] Bez khliba, opovidannya. Vstupna statia D. Bobylia. 2. vyd. New York, Oko, 1965. 24 p. (Deshova Biblioteka krasnoho pys'menska, no. 5) (CU)
- HUMENNA, DOKEA. [Bless me, mother! A fairy tale in the form of an essay] Blagoslov, matyi! Kakkaesee. New York, Ob'iednanna Ukrainakkykh Pys'mennyky "Slovo," 1966. 265 p. illus. (CY)
- LAKHINA, E. I., and M. ALENIKOV. [Charlotte Bandard; a historical tale] Sharlot Bantar, istorichna povist'. Kyiv, Derzh. vyd-vo dyttachol lit-ry URSS, 1959. 281 p. illus. (istorichna biblioteka) (IU)
- IARMUS'KYI, A. R. [Poems] Poezii. Dnipropetrovsk, 1966. 112 p.
- JAROSLAWSKA, DARJA. [The past and the future] Povini, roman u trih chastyakh. Dobra knyzhka, 1961. (CaOTU)
- IBRAGIM, MAMED. [Is my heart from the Azerbaijan?] Pida A. Sov. pisatel', 1966. 64 p. (IU) (MH)
- ICINNA, V. M. [The past and the future] No mynule, roman. Kyiv, P. 1965. 318 p. (IU)
- [IN OUR THEATER: plays, etc.] Na shlyakh amateurskikh teatralskikh vystuplenii. Shuki dlia shkol'nogo samodeyatelnosti. Detskaia lit-ra, 1966. 175 p.
- ISDAKH, A. A. [Swan lake, story] Lebedinoo ozero, rasskaz. Moskva, Glav. polit. zar. Moiskogo Flota, 1966. 46 p. (P. "Sovetskii voln," no. 24(647))
- ISSERLIN, F. M. [Foreign language place in the lexical structure of the Russian literary language] "Practical style of the Russian language." A textbook for students of the foreign languages. Inostrannyia lektsia i ec mery sovremennogo russkogo literaturnogo materijal k kursu "Praktichesko literaturnogo iazyka." Uchebno-metod. redaktorskogo fakulteta. Moscow, 1965. 17 p. [M. ROBINSON]
- ITS, R. G. [The arrows of the sun] Straly solntsa. Moskva, Mysli, 1966. 111 p. (Futurizm, chenia, fantastika) (MH)
- IUGOV, A. K. [The Shatrova, a novel] Shatrova. [Moskva] Moskv. rauchiki, 1967. 172 p.
- IURKO, A. I. [Establishing the State] Stanovlenie partii. [Moskva] Polit. univ., 1965. 63 p. (NIC)
- IUSUPOV, N. A. [Whither the source are like] Kuda spashayutsya istoki. Molodaya gvardiya, 1962. 95 p. (RU)
- IVANOV, V. V., and V. N. TOPOROV. [The problem of their inclusion in the linguistic sciences] Problemy vklucheniya ikh v lingvisticheskie nauki. Moskva, 1964. 12 p. (International symposium on the problems of linguistics, 1964, Moscow, papers, no. 20)
- IWASZKIEWICZ, JAROSLAW. [Selected works, translated from the Polish] Izbrannyye proizvedeniya. Moskva, Khudozh. lit-ra, 1964. 451 p. (CaAEU)
- IZARS'KYI, OLEKSA. [Victor and Lidia] Viktor i Lidia, povist'. Munich, 1965. 117 p. (Suchasnisty) (INU)
- IZ'TUROV, I. V. [When the bird cherry blossoms] Kada ptich'ya korymba tsvetet. Moskva, Knizhnyi izd-vo, 1957. 150 p. [In Kyrgyz] (INU)
- [JANIS RAINS, places of life and work] Jan Raina zhizni i deiatelnosti. Riga, Lieksma, 1963. 112 p. (NIC)
- KAKABADZE, P. M. [Selected dramatic works. Translated from the Georgian] Izbrannyye dramaturgicheskiye proizvedeniya. Tbilisi, Lit-ra da khudozhestvenno-izdatel'stvo, 1966. 428 p. (NoD)
- KAMINSKAS, J., and A. RADZEVICHUS. [Problems of style and character in Soviet Lithuanian prose] Problemos stiliaus ir charakterio Lietuvos tarybinėje prozoje. Vilnius, Vaga, 1966. 287 p. [In Lithuanian]

- KANYKIN, ARKADIJ. [Traffic light] Svetofor Riga, Liesma, 1955 62 p.  
(U)
- KAPIEV, EFFENDI. [Selected works] Izbrannoe, Moskva, Gos. izd-vo khudozh. lit-ry, 1959. 662 p.  
(NIC)
- KARAEVA, A. I. [Outline history of Karachay literature] Ocherk istorii Karachayevskoi literatury. Moskva, Nauka, 1966. 318 p.
- KARBOVSKAYA, V. A. [Tell me, please] Skazhite, puzhalista. Moskva, Pravda, 1966. 47 p. (Biblioteka "Ogonek," no. 37)  
(MH)
- KASHUK, I. I. [Windows on the ocean] Okna v okean. Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1965 45 p.  
(U) (NIC)
- KASSIL', L. A. [Tales] Povesti. Moskva, Gos. izd-vo det. i zh. lit-ry, 1955. 503 p. (Shkol'naya biblioteka) (NIC)
- KAZAKOV, G. I. [Life will finish the writing of the tale] Zhizn' dopishet povest'. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 204 p.
- KAZANSKAYA, A. K., and others, comps. [Russian literature, textbook for the 9th grade of the non-Russian secondary school] Russkaya literatura, uchebnik dlia IX klassa neusskol' srednei shkoly. Izd. 3. Moskva, Gos. uch.-pedagog. izd-vo, 1960. 203 p. illus.  
(ICarbs)
- KESHKOV, A. P. [Samnits do not sleep; a novel] Ver-shiny ne spiat, roman. Moskva, Khudozh. lit-ry, 1967 111 p. (Roman-gazeta, no. 4(370))
- KETLINSKAYA, VERA. [Words please! A drama in eight scenes] Proshu slova! Drama v 8 kaktukh. Olv. red. M. Gersht. Moskva, Otdel raspiroshchenia dramati-cheskikh proizvedenii VUOAP, 1967 85 p.
- KHAVKIN, O. A. [Month of the wild goats. Nilka; tales] Mesyats dikikh koz Nilka, povest'. Moskva, Detskaya lit-ry, 1968. 413 p. (Shkol'naya biblioteka)
- KHAMILEV, KH. [Anatolia through the eyes of Sabahattin Ali, remarks on the prose of the Turkish writer] Anatoliya glazami Sabahattina Ali, zametki o proze turk'skogo pisatelya. [Tashkent] Izd-vo Tashkent, 1955. 97 p.  
(NIC)
- KIRSANOV, S. I. [Book of lyrics, 1925-1955] Kniga li-ki, 1925-1955. [Moskva, Sov. pisatel', 1956] 390 p.
- KIUKHEL'BEKER, V. K. [Selected works in two volumes] Izbrannye proizvedeniia v dvukh tomakh. Moskva, Sov. pisatel', 1967. 2 v. (Biblioteka poeta. Bol'shaya seriya. 2. izd.)
- KLIMENCHENKO, I. D. [Navigator of long voyages, a novel] Shturman dal'nego plavaniia, roman. [Leningrad] Lenizdat, 1967. 550 p.
- KOL'TSOV, A. V. [Works] Sochineniia. Moskva, Khudozh. lit-ry, 1966. 462 p.  
(MIU)
- KOMOV, V. E. [Distinguished acquaintances, stories and humorous sketches] Izvestnye znakomye; rasskazy i humoreski. [Tambov] Tambovskoe knizhnoe izd-vo, 1961. 148 p.
- KORLETIANU, NIKOLAI. [Studying the lexical system of the Moldavian language from the seventies to the nineties of the 19th century. Issledovanie leksicheskoi sistemy moldavskogo iazyka 70-kh - 90-kh gg. XIX v. Kishinev, Karlia Moldavoninske] 1964. 495 p. [In Moldavian]  
(MH)
- KOSTUKOVSKII, I. A. [Men's talk; satirical verse] Muzhskoi razgovor, satiricheskie stikhi. Moskva, Pravda, 1965. 45 p. (Biblioteka Krokodila, no. 32)
- KOVALEVA, A., and L. KOVALEV. [Hymn over the Nova; a war play in seven scenes] Gimn nad Nevom; voennaya p'esa v sem' kaktukh. Olv. red. A. Artemov. Moskva, Otdel raspiroshchenia dramati-cheskikh proizvedenii VUOAP, 1966. 81 p.
- KRASOVSKII, L. S. [Spring will wash away the tracks, a tale] Sledy smolet verna, povest'. [Krasnodar] Vostochno-Sibirskoe knizhnoe izd-vo, 1965 117 p.
- KRASZEWSKI, JOZEF IGNACY. [Tales. Translated from the Polish] Povesti. Moskva, Gos. izd-vo khudozh. lit-ry, 1956. 345 p.  
(U)
- KRISHTOF, E. G. [Invitation to a journey, stories about Crimea] Priglasenie k putieshestviu, rasskazy o Kryme. [Simferopol'] Izd-vo Krym, 1965. 155 p.  
(NIC)
- KRUTULIN, S. A. [Snowdrops, a novel] Podснеzhniki, roman. 2. Izd. Moskva, Sovetskaya Rossiia, 1965. 136 p.  
(FTASU)
- KUDINOV, I. P. [The coral stone, a tale] Korall'nyi kamen', povest'. [Barnaul] Altayskoe knizhnoe izd-vo, 1965. 106 p.  
(IEN)
- KUKHAREVICH, N. E. [Study of prefixed verbs in the non-Russian language] Izuchenie pristochnykh glagolov v neusskol' auditorii. Moskva, Univ. d. uzhly narodov, 1966. 87 p.
- KUPRIN, A. A. [I am coming to you, verse] Idu k tebe, stikhi [Voronezh] Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1964 92 p.
- KUSBERG, PAUL. [In the middle of summer] Sudasivel. Tallinn, Eesti Raamat, 1966. 323 p. [In Estonian]
- KUZ'MINA, L. A. [Whom are you with, Boi'ka? a tale] S kem ty, Boi'ka? Povest'. Tashkent, Izd-vo khudozh. lit-ry, 1966. 157 p.
- KUZ'MINA, L. I., and I. V. STEPANOVA, comps. [Ivan Sergeevich Turgenev in portraits, illustrations, and documents] Ivan Sergeevich Turgenev v portretakh, illiustratsiakh, dokumentakh. Pod chisleni red. I. A. Blitogo. Moskva, Prosveshchenie, 1966. 398 p.
- KYRYLIUK, I. E. P. [Tamas Shevchenko; life and works] Tamas Shevchenko; zhizn' i tvorchestvo. Vyd. 2., dop. i perer. Kyiv, Derzh. vyd-vo Khudozh. lit-ry, 1964. 648 p.  
(Ned)
- LACE, VILIS. [Fisherman's son, a novel] Zvejnieka dals; romans. Riga, Liesma, 1967 456 p. [In Latvian]
- LACE, VILIS. [Young hawk] Vainadzins. Riga, Liesma, 1966. 44 p. illus. [In Latvian]
- LATVIJAS PADOMJU SOCIJALETISKAS REPUBLIKAS ZINATNU AKADEMIJA. Valodas un literatugas instituts. Valodas kulturas grupa. [Cultural problems of the Latvian language] Latviesu valodas kulturas jautajumi, raksti kratumam [2 lectures] Riga, Liesma, 1966. 141 p. [In Latvian]
- LAZAREVA, ALEKSANDRA. [Light pond, stories. Translated from the Chuvash] Svetlyi prud, rasskazy. [Cheboksary, Chuvashsknizdat, 1965] 108 p.  
(MH)
- [LEADING EXPONENTS OF RUSSIAN CULTURE ON SHOTA RUSTAVELI] Delateli russkoi kul'tury o Shota Rustaveli. Tbilisi, Lit-ra da khelovneli, 1966. 310 p.
- LEBEDEVA, V. A. [Tolstol and children] Tolstol i deti. Tula, Priokskoe knizhnoe izd-vo, 1966. 47 p.
- LERMONTOV, M. I. U. [Collected works] Sobranie sochinenii. Pod red. I. L. Andronikova i I. G. Okamova. Moskva, Khudozh. lit-ry, 1964-1965. 4 v. plntos.  
(CaOTU) (NIC)
- LESKOV, N. B. [Tales and stories] Povesti i rasskazy. Moskva, Khudozh. lit-ry, 1966. 573 p.  
(MIU)
- LISNANSKAYA, I. L. [From the first source, verse] Iz pervykh ust, stikhi. Moskva, Sov. pisatel', 1966. 161 p.
- [LITERATURE FOR THE 11TH GRADE] Literatura XI klassa. Riga, Zvaigzne, 1966. 219 p. [In Latvian]
- LIUKIN, A. I. [Fates; verse] Sud'by; stikhi. Moskva, Sovetskii pisatel', 1966. 83 p.
- LOTOTSKYI, ANTON. [Amazing travels and adventures of Sir Iazon Mykylovych from the village of Chvan'ki (of the duck coat-of-arms) described by himself and reprinted from his old papers by Iaroslav Vil'shenko] Dvyni podorozhi ta pryhody pana Iazona Mykylovycha na Chvan'kakh Chvan'kiv's'kohe herbu Kachka spisan' vlasnym rukou. Prypyssav iz starykh papieriv Iaroslav Vil'shenko. New York, Hovellia, 1962. 123 p.  
(InU)
- LYKHODID, M. K. I. [The light, lyrics] Svet, lyrika. Kyiv, Radnaryi pys'mennyyk, 1966. 114 p.  
(MH)
- LYSHUK, P. P. [The band of new brotherhood] Spivets' bratstva novoho. Kyiv, Znamia, 1968. 62 p.  
(CaOTU)
- MAIAKOVSKII, V. V. [Verse, poems] Stikholvoeniia, poemy. [Leningrad] Lenizdat, 1965. 478 p.  
(INS)
- MALASHKIN, S. I. [The chronicle of a life, tales, stories] Khronika odnoi zhizni, povesti, rasskazy. [Moskva] Mosk. rabochii, 1966. 365 p.  
(NIC)
- MANDEL'SHTAM, O. E. [Collected works in two volumes] Sobranie sochinenii v dvukh tomakh. Pod red. G. P. Shyue i D. A. Filippova. Washington, Inter-Language Literary Association, 1964. 2 v.  
(GEU)
- MARSHAK, S. I. A. [Adventure on the way] Prikhuchenie v dorogu. Moskva, Gos. izd-vo det. i zh. lit-ry, 1962. 112 p.  
(CoU)
- MATEV, PAVEL. [Signs of the heart; verse. Translated from the Bulgarian] Signaly serdtsa; stikhi. Moskva, Pravda, 1966. 29 p. (Biblioteka "Ogonek," no. 36)  
(MH)
- [METHODOLOGICAL PROBLEMS IN LINGUISTICS] Metodologicheskie pytaniiia lingvistiky. Kyiv, Naukova dumka, 1966. 211 p.  
(CoU)
- MIKHAIL ALEKSANDROVICH SHOLOKHOV. Moskva, Pravda, 1966. 315 p.
- MIKHEEV, M. P. [The girl that walks; science fiction] Kolodna zhet, fantika. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1966 95 p.
- MIKOLEEV, NIKOLAI. [There is a little town on the Volga River; verse and songs] Est' na Volgo-reke nebol'shoi gorodok, stikhi i pesni. [Moskva], Venkno-Volzhskoe knizhnoe izd-vo, 1965. 30 p. (Biblioteka pisatelya verkhnei Volgi)  
(U)
- MILOSERDOV, S. S. [Enchantress; verse] Volstebanitsa; stikhi. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1965. 79 p.
- MENCHKOVSKII, A. M. [The old man hides in the shadow; a tale] Starik prichistia v ten'; povest'. [Leningrad] Lenizdat, 1966. 301 p.
- MIRSHAKAR, MIRSAID. [Verse. Translated from Tajik] Stikhi. Moskva, Khudozh. lit-ry, 1966. 167 p. (Biblioteka sovetskoi poezii)
- MIRTSKINLAVA, A. A. [Verse] Stikhi. Moskva, Khudozh. lit-ry, 1966. 294 p.
- MIZTUN, H. M. [Plays] P'esy. Kyiv, Dnipro, 1965. 151 p.  
(CaAEU)
- MURAV'YEVA, N. I. [Beranger] Beranzhe. Moskva, Molodaya gvardiia, 1965. 316 p. (Zhizn' zametatel'nykh liudei. Seriya biografiia, no. 7)  
(CaAEU)
- NAGIBIN, I. U. M. [A green bird with a red head] Zolotaya ptitsa s krasnoi golovoi. [Moskva] Mosk. rabochii, 1966. 252 p.
- NAHNYBEDA, MYKOLA. [A word to the traveller; verse] Slovo v dorogu; stikhi. Moskva, Pravda, 1966. 30 p. (Biblioteka Ogonek, no. 22)  
(MH)
- NATADZE, N. R., and S. S. TSAISHVILI. [Shota Rustaveli and his poem] Shota Rustaveli i ego poema. [Tbilisi] Ganatleba [1966] 145 p.

- NAUCHNO-ISSLEDOVATELSKII INSTITUT IAZYKA, LITERATURY, ISTORI I EKONOMIKI, Saransk. [The oral poetry of the Mordvin people] *Usno-poeuchskoe tvorcestvo mordovskogo naroda*. Saransk, Vols. 1-3, 1963-1966. 3 v. (MH)
- HAUMOV, S.M. ["Sokol" comes flying last] *Poslednim prilietai "Sokol."* Moskva, DOSAAF, 1966. 61 p. (IU)
- NECHAI, M.P. [Loyalty, a novel] *Novelle* Virmist', roman. Novicy Dnipropetrovsk, Promin', 1966. 449 p.
- NEIMAN, LINA. ["Piatnitsa", an historical tale] "Piatnitsa", istoricheskaya povest' [Ld. 2] Moskva, Detskaya lit-ra, 1967. 174 p. (Shkol'naya biblioteka)
- NEKRASOV, N.A. [Collected works in eight volumes] *Sobranie sochinenii v vos'mi tomakh*. Pod obshchey red. K.I. Chukovskogo. Moskva, Khudozh. lit-ra, 1965. 8 v. (ICarv) (RPB)
- NIKOLAEV, V.N. [Heart River, two tales] *Reka Serdech-naya, dve povesti*. [Moskva] Molodaya gvardiya, 1966. 315 p. (Molodaye pisatel)
- NIKOL'SKII, N.S. [16 hours] 16 chasov [Moskva] Molodaya gvardiya, 1966. 159 p. (Rovensk. Chest', otvaga, muzhestvo)
- NOSOV, N. [Tales, stories and fairy tales] *Povesti, rasskazy i skazki*. Moskva, Detskaya lit-ra, 1964. 637 p. (DeU)
- [NOT ABOUT THE SEA, stories] *Ne o more, rasskazy*. Moskva, Izd-vo gazety "Krasnaya zvezda," 1966. 30 p. (Bibliotekha "Krasnol zvezdy," no. 21 (201))
- NOVIKOVA, A.M. [Ivan Nifanorovich Rozanov (1871-1939). [Moskva] Izd-vo Mosk. univ., 1968. 78 p. (Zamechatel'nye uchenye Moskovskogo universiteta, no. 38)
- ORDUBADI, M.S. [Misty Tavriz, a novel. Translated from Azerbaidzhan] *Tavriz tumany*, roman. Baku, Azerbaidzhanское gos. izd-vo 1966. 2 v.
- ORLOV, V.V. [A pickled watermelon, a novel] *Solonyi kavun*; roman. Kyiv, Molod', 1965. 322 p. illus. (CaOTU)
- OSHANIN, L.I. [A hundred songs] *Sto pesen*. Moskva, Khudozh. lit-ra, 1968. 206 p.
- OSMANIS, JAZEPS. [Steps, 1956-1966] *Soli*, 1956-1966. Riga, Liesma, 1966. 158 p. [In Latvian]
- OSTROVSKII, A.N. [Articles and materials] *Sbornik statei i materialov*. Moskva, Vsesos. teatr. ob-vo, 1962. 485 p. illus., plates. (GEU)
- OSTROVSKII, N.A. [How the steel was tempered, a novel] *Kak zakalalas' stal'*, roman. [Leningrad, Lenzdat, 1967] 365 p. (Unosheskaya biblioteka Lenzdata)
- OSTROVSKII, A.N. [The storm, a drama in five acts] *Groza*, drama v piati deystvakh. Moskva, Iskustvo, 1967. 78 p. (Shkol'naya biblioteka mirovoi dramaturgii)
- OUR LAND IS DEAR; short stories by writers of Morocco, Tunisia, Libya. Translated from Arabic and French] *Dorogaya nasha zemlia*, novelli pisatelei Marokko, Tunisa, Libii. Moskva, Nauka, 1967. 82 p. (Sovremennaya vostochnaya novella)
- PANCHENKO, VERA. [My name] *Moe imia*. Riga, Liesma, 1966. 61 p.
- PANOVA, V.F. [Workmen's settlement. Sasha. Early in the morning; tales] *Rabochii poselok. Sasha. Rano utrom; povesti*. [Leningrad] Lenzdat, 1966. 280 p.
- PARAKLINA, A.V., ed. [Problems of the methods of teaching foreign languages in the special secondary schools] *Voprosy metodiki prepodavaniia inostrannykh iaz,kov v srednikh spetsial'nykh uchebnykh zavedeniakh*, sbornik. Moskva, 1966. 72 p.
- PARNASIAN, N.A. [Subordinating connection in complex sentences of modern Armenian] *Podchinitel'naya svyaz' v slozhnykh predlozheniakh sovremenno go armianskogo iazyka*. Brevan, Izd-vo AN Armianskoi SSR, 1961. 153 p. [In Armenian] (InU)
- PASTERNAK, B.L. [Starry sky, verse of foreign poets] *Zvezdnoye nebo, stikhi zarubezhnykh poetov*. Pod red. P. Antokolskogo i dr. Moskva, Progress, 1966. 156 p. 1968. (Masters poeticheskogo perevoda, no. 5)
- PAVLOVSKII, A.I. [Anna Akhmatova, an essay on her work] *Anna Akhmatova, ocherk tvorcestva*. [Leningrad] Lenzdat, 1966. 189 p.
- PAVLOVSKII, A.I. [Soviet Russian poetry in the years of the Great Patriotic War] *Russkaya sovetskaya poezia v gody Velikoi Otechestvennoi volny*. Leningrad, Nauka, 1967. 275 p.
- [A PEOPLE'S WAR WAS ON, how our countrymen fought] *Shla volna narodnaya, kak srazhals' zemlachi*. Chetvorka, Chuvashskoe knizhnoe izd-vo, 1965. 162 p. (NIC)
- PERMIKOV, G.G. [The glens path, stories and sketches about V.K. Arsen'ev] *Tropoi zhen'shenia, rasskazy i ocherki o V.K. Arsen'ev*. [Khabarovsk] Khabarovskoe knizhnoe izd-vo, 1965. 159 p. (IU)
- PERSHIN, A.N. [Devoting oneself to people, a documentary tale] *Otdaiu sebia ljudiam, dokumental'naya povest'*. Moskva, Sov. Rossiia, 1966. 506 p.
- PETI'OVANYI, V.I. [The heroes of Khotin, a tale] *Khotynski, povest'*. Kyiv, Molod', 1965. 286 p. illus. (Hoiot, roky, zversheniia) (CaOTU)
- [PETRASHEVSKII POETS] *Posty-petrashevskiy. Vstup. stat'ia V.V. Zhdanova*. Moskva, Sov. pisatel', 1966. 389 p. (Biblioteka poeta. Malaya seriya, izd. 3)
- PETROV, M.A. [Wings] *Kryl'a*. [Moskva] Glav. polit. upr. Sov. Armii i Voenno-Morskogo Flota, 1966. 46 p. (Bibliotekha zhurnala "Sovetskii voin," no. 22(45))
- POLEVOI, B.N. [Doctor Vera, a story in unwritten letters] *Doktor Vera; povest'* v nenapisannykh pis'makh. Moskva, Khudozh. lit-ra, 1967. 111 p. (Roman-gazeta, no. 3(375))
- POLIAKOVA, N.M. [I wait for you; a book of new verse] *IA zhdai tebia; kniga novykh stikhov*. [Moskva, Sov. pisatel', 1966] 101 p.
- POLIAKOVA, N.M. [Verse] *Stikhotvoreniia*. [Leningrad] Lenzdat, 1966. 231 p. (NIC)
- POLIANKER, G.I. [The baker from Kolomyia, a novel] *Translated from Yiddish* *Bulochnik iz Kolomyi*, roman. Kiev, Rad. pys'mennyk, 1967. 375 p.
- POLJANYCH, B. [The castle of the angel of death; sensation story of the times of belian Kyryl Rozumovskiy and Hryhor Orlyk] *Zamok anghela smerti; sensatsiynaya povest' z chaslvi hol'mau Kyryla Rozumovskoho i Hryhora Orlyka*. Toronto, Dobra knyzhka, 1963. 200 p. (InU)
- POLONSKAYA, E.G. [Selected works] *Izbrannoe*, Leningrad, Khudozh. lit-ra, 1966. 159 p. (CaOTU) (NIC)
- POPOV, V.N. [Bad weather, a tale] *Nepogoda; povest'*. Barnaul [Altai'skoe knizhnoe izd-vo] 1966. 198 p.
- FORMALE, AUSMA. [I am opening the window (1958-1964)] *Atveru logu (1958-1964)*. Riga, Liesma, 1966. 60 p. [In Latvian]
- PROKOF'IEVA, SOF'IA. [Adventures of a small yellow suitcase; a comedy in two acts and two scenes for young school children] *Prikliucheniia zhelтого чемоданчика, komediia v 2 aktakh, II kartinakhi dlia detei mla mladshogo shkol'nogo vozrasta*. Novela red. Olv. red. N. Davydova. Moskva, Odel rasprostraneniia dramati-cheskikh proizvedenii VUOAP, 1966. 54 p.
- PROMET, LILLI. [The lying Ugor] *Lamav ilgor*. Tallinn, Eesti Riiklik Kirjastus, 1964. 293 p. [In Estonian]
- PUHVEL, HEINO. [The early period of A.H. Tammsaare's life and creative work, 1879-1923] *A.H. Tammsaare elu ja loomingu varasem periood (1879-1923)*. Tallinn, Eesti Raamat, 1966. 403 p. [In Estonian]
- PUSHKIN, A.S. [Fairy tales] *Skazki*. Moskva, Detskaya lit-ra, 1966. 133 p.
- RABEKO, I.I. [Whirlpool, parodies, fables, epigrams] *Koloveit', parodii, basni, epigrammy*. Vladivostok, Dal'novostochnoe knizhnoe izd-vo, 1965. 38 p. (NIC)
- RADEVSKI, KIHISTO. [Verse and fables. Translated from Bulgarian] *Stikhi i basni*. Moskva, Gos. izd-vo khudozh. lit-ry, 1957. 180 p. (IEN)
- RAFFI. [The baton and other stories. Translated from Armenian] *Garm i diugle rasskazy Ercvan*, Armanian, 1966. 264 p.
- RAKHMAN, SABIT. [Selected works. *Izbrannye sochineniia*] *Baky, Azerbaidzhan devlet neşriyatly*, 1958. 1 v. [In Azerbaijani] (InU)
- RASULI, M.M. [Malakovskii's poetry in Uzbekistan] *Poezia Malakovskogo v Uzbekistane*. Tashkent, "Nauka" UZSSR, 1965. 157 p.
- RILKE, RAINER MARIA. [Lyrics. Translated from the German] *Lirika*. Leningrad, Khudozh. lit-ra, 1965. 254 p. (NIC)
- RODICHEN, N.I. [Firing on oneself; a tale and stories] *Ogon' na sebja; povest' i rasskazy*. Moskva, Sov. pisatel', 1966. 367 p.
- ROMANOV, B.S. [Salty (Ire) Solenyi ogon'. [Murmansk] Murmanskoe knizhnoe izd-vo, 1965. 62 p. (IU) (NIC)
- ROSLIAKOV, V.P. [Red blitches; stories and a tale] *Krasnye bolazy, rasskazy i povest'*. Moskva, Sov. Rossiia, 1966. 84 p. (Knizhnye povesti i rasskazy)
- RUBANOVICH, A.L. [Roads do not end; a tale] *Dorogi ne konchatsia; povest'*. [In kuls] *Vostochno-Sibirsk* knizhnoe izd-vo, 1966. 174 p.
- RUMARCHUK, A.P. [Spirits forsake Tauu, a novel] *Dushi pokidali Tauu, roman*. [Leningrad] Lenzdat, 1966. 205 p.
- RUMIANTSEVA, M.A. [Trust] *Doverie*. *Vomozh, Tsental'no-Chernozemnoe knizhnoe izd-vo*, 1966. 78 p. (NIC)
- [RUSSIAN FOLKTALES] *Russkie narodnye skazki* [Ld. 3., dop.] Moskva, Detskaya lit-ra, 1966. 308 p.
- RUSTAVELI, SHOTA. [The knight in the tiger's skin. Text with the basic variants, commentaries and vocabulary in two volumes. *Vilaz' v ligrovoi shkin*. Tekst s osnovnyimi raznoobrazieniami, kommentarii i slovar'om v dvukh tomakh. Pod red. A. Shandzgo i A. Iamidze. Tbilisi, Metsnereba. In Georgian] Vol. 1. [Text and variants] *Tekst i raznoobrazie*. 1966. 631 p.
- RUSTAVELI, SHOTA. [Vepkhitskatsani. The knight in the panther's skin. Tbilisi, Ganatleba, 1966] 362 p. [In Georgian]
- RYTOV, A.G. [Paths] *Tropy*. [Leningrad] Lenzdat, 1966. 57 p. (Pervaya kniga poila)
- RZHEVSKAYA, E.M. [From the home to the front, a tale] *Od doma do fronta; povest'*. Moskva, Detskaya lit-ra, 1967. 100 p.
- SADKOVIČ, N.F. [Madame Love; a novel] *Madam Liubov'*; roman. Moskva, Sovetskii pisatel', [Pl. 1.] 1966. 204 p.
- SAKSE, ANNA. [Tales about flowers] *Pasakas par ziediem*. Riga, Liesma, 1966. 275 p. [In Latvian]
- SALTYKOV-SHCHIEDRIN, M.E. [Golovlov family] *Gospoda Golovlovy*. Leningrad, Detskaya lit-ra, 1967. 349 p.
- SALYNSKI, A.D. [Pebbles on the palm of one's hand; a play in two parts] *Kameshki na ladoni; p'sen v dvukh chastakh*. Moskva, Iskustvo, 1966. 90 p. (Segodnia na sscene) (IU) (MII) (NIC)
- SAMKHARADZE, G.A. [Rustaveli and contemporary Georgian poetry. Rustaveli i sovremennaya gruzinskaya poezia. Tbilisi, Nakaduli] 1966. 72 p. [In Georgian]



- SATTAR, RAKHIM. [The song continues, voice] Zhyt devam ite, shigiy'lar. Kazan, Tatarskaya knizhnytsya, 1960. 63 p. [In Tatar]
- [SAVE YOUR DREAM, sketches] Beregle svoiu mechu, ocherki. Moskva, Izd-vo gazety "Krasnaya zvezda," 1966. 31 p. (Biblioteka "Krasnoye zvezdy, no. 24(201))
- SEGERT, STANISLAV. [The Ugaritic language. Translated from the German] Ugaritskii yazyk. Moskva, Nauka, 1965. 101 p. (Iazyki narodov Azii i Afriki) (NNC)
- SEITAKOV, BEKI. [The cobweb, a science fiction tale Translated from Turkmen] Pautina; fantastiko-prilucheniyeskaya povest' [Ashkhabad] "Turkmenistan," 1966. 223 p.
- SEL'VINSKII, I. L. [Selected verse, Izbrannaya lirika]. Moskva, Molodaya gvardiya, 1967. 31 p. (Biblioteka izbrannoi liriki)
- SEMEONOV, M. G. [Year of the fisherman] God rybolova. Izd. 2., ispr. i dop. [Moskva, Sovetskaya Rossiya, 1966] 150 p.
- SERDIUK, IURII. [Trumpets of the heart, poems] Surmy serdtsa, poezi. Kyiv, Molod', 1965. 90 p. (Persha knyha) (CAOTU)
- SERGEYEV, L. V. Krylov. Moskva, Detskaya lit-ra, 1966. 317 p. (Shkol'naya biblioteka) (FTASU)
- SIFAMOV, I. V. [The little poplar tree, verse of various years] Topolok, silki raznykh let. Voronezh, Tsentral'no-Chernozemnoye knizhnoye izd-vo, 1964. 134 p.
- SIATUNOVSKII, I. M. [A diamond log, feuilletons] Bil-dantovoe poleno, feiletony. Moskva, Pravda, 1966. 62 p. (Biblioteka "Ogonek," no. 41)
- SHCHIPAKHINA, L. V. [Selected verse, Izbrannaya lirika]. Moskva, Molodaya gvardiya, 1967. 31 p. (Biblioteka izbrannoi liriki)
- SHENGELAI, D. K. [Buried treasure; novels, tales and stories. Translated from the Georgian] Knd; romany, povesti i rasskazy. [Moskva, Khudozh. lit-ra, 1966] 333 p. illus. (IU)
- SHEVCHENKO, T. H. Nazar Stodolia. Kyiv, Derzh. vyd-vo khudozhenoi lit-ry, 1963. 88 p. (Biblioteka samodil'nogo teatru) (ICASU)
- SHEVCHENKO, T. H. [Tales: A maid, An escaped convict, The princess, Music, An unhappy poison, The wife of an army captain, Twins, An artist, A trip, With pleasure, There are some moral aspects too] Povisti; Namychka, Varnak, Kutahynia. Muzyka, Neshchasynt, Kapitushka, Dlyznata, Khudozhnyk, Mandryka. Z pryemistlu. Ta i ne bez morali. Kyiv, Derzh. vyd-vo khudozhenoi lit-ry, 1964. 681 p. (CAAEU)
- SHEVELEV, A. A. [August] Avgust. [Leningrad] Lenizdat, 1966. 41 p. (Pervaya kniga poeta)
- SHILEN, GEORGH. [Kamo; a tale] Kamo; povest' Slavropol', Knizhnoye izd-vo, 1966. 110 p.
- SHUBIN, A. I. [Seven pairs of iron shoes, tales] Som' par zheleznykh botinok; povesti. Voronezh, Tsentral'no-Chernozemnoye knizhnoye izd-vo, 1966. 323 p. illus. (IU)
- SHUR, M. M. [A tale with an address] Povest' s adresom. [Moskva] Profizdat, 1967. 173 p. (Povesti o gerolakh)
- SHYIAN, ANATOLI. [Thunderstorm] Hizo. Kyiv, Derzh. vyd-vo khudozhenoi lit-ry, 1962. 414 p. (CAAEU)
- SIATKOVSKII, S. I. [Indefinite-personal sentences in the Russian and Polish languages] Neopredelennno-lichnye predtozheneniya v russkom i pol'skom yazykakh. Nauch. rukovoditel' T. P. Lomtev. [Moskva] Izd-vo Mosk. univ., 1966. 27 p. (CAOTU)
- SIDORENKO, N. N. [This unforgettable night, lyrics] Eta nezapamiatnaya noch', lirika. [Moskva, Sovetskii pisatel', 1965] 69 p. (NIC)
- SIDOROV, V. M. [Light, verse] Svet, silki. Moskva, Sovetskii pisatel', 1966. 102 p. (NIC)
- [SILVER WORD, articles on literature for children and young people] Sudrabortnye vords; isketi par bernu un jauntes literaturu Riga, Liesma, 1966. 210 p. [In Latvian]
- SIMONOV, K. M. [Collected works in six volumes] Sobranie sochinenii v shesti tomakh. Moskva, Khudozh. lit-ra, 1966-6 v. (NJR)
- SINEL'NIKOV, L. I. [Difficult exam; a comedy-farce in one act] Trudnyi ekzamen, komedija-shutka v odnom deistvii Moskva, Iskustvo, 1967. 19 p. (Reperuar khudozhestvennoi samodelatel'nosti, no. 1)
- [SLOVAK POETRY; AN ANTHOLOGY. Translated from the Slovak] Slovatska poezii, antologiya. Kyiv, Derzh. vyd-vo khudozhenoi lit-ry, 1964. 414 p. (OCU)
- SOLODNIKOV, G. N. [The rowan is a bitter berry; a tale in novel] Riabina, igoda gor'kaya, povest' v nove-lakh. Perm', Permskoe knizhnoye izd-vo, 1966. 100 p.
- SOLZENITSYN, ALEKSANDR. [Works] Sochinenia. [Frankfurt am Main] Posev, 1966. 316 p.
- STAL'SKII, SULEIMAN. [Verse, Translated from the Lez-ghtan] Silki. Moskva, Gos. izd-vo khudozhenoi lit-ry, 1959. 230 p. (Biblioteka sovetskoi poezii) (NIC)
- STEBLIN-KAMENSKI, M. I. [Sketches on the diachronic phonology of Scandinavian languages] Ocherki po diahronicheskoi fonologii skandinavskikh yazykov. [Leningrad] Izd-vo Leningr. univ., 1966. 145 p.
- STEL'MAKII, N. P. [Blood is not water, a novel] Krov luda'ka - ne vodytsa, roman. Kyiv, Derzh. vyd-vo khudozhenoi lit-ry, 1962. 266 p. (CAOTU)
- STETSENKO, L. F. [Secrets guessed; a tale by a specialist in literature] Talemnyi rozhadino, opovidannia literaturoznavtsia [Kyiv, Dnipro, 1966] 80 p.
- STOLANOV, LIUDMIL. [Childhood. Translated from Bulgarian] Detstvo. Moskva, Khudozh. lit-ra, 1966. 253 p.
- [STORIES OF THE WRITERS OF ISRAEL. Translated from Hebrew and Yiddish] Rasskazy Izraill'ekikh pisatelov. Moskva, Progress, 1965. 319 p. (VIMM)
- STORM, G. P. [The deeds of Sviatoslav] Podvigi Sviatoslava. [Izd. 3.] Moskva, Gos. izd-vo detskoi lit-ry, 1963. 81 p. (CAQMU)
- STRYGIN, A. V. [The pay off; a novel] Rasplata; roman. Voronezh, Tsentral'no-Chernozemnoye knizhnoye izd-vo, 1965. 374 p. (IEN)
- SVITLYCHNA, HANNA. [Sunny moorings; poems] Sonia-chini prylyaly; poezi. Dnipropetrov'sk, Promin', 1966. 63 p.
- SYMONENKO, VASYL'. [Poems] Poezi. Kyiv, Molod', 1966. 205 p. (NN)
- SYNIAIUS'KYI, P. F. [My worries are eternal, poetry] Moja turbota vitykychna; poezi. Kyiv, Rad. pys'mennyyk, 1967. 53 p.
- TARASENKOVA, N. N. [Strangers and friends] Chuzhie i blizkie. Moskva, Izd-vo polil. lit-ry, 1966. 93 p. (Vremia i ljud) (NIC)
- TATIANICHEVA, L. K. [The province of personal happiness; verse] Oblast' lichnogo schastiia; silki. Moskva, Pravda, 1966. 31 p. (Biblioteka Ogonek, no. 26) (MH)
- TEL'PUGOV, V. P. [The ice of Mozhaysk; stories] Mozhaiskii lod, rasskazy. [Moskva] Molodaya gvardiya, 1966. 251 p. (CU)
- [TIME, JUDGE IT! Articles on literature] Vremia, sud'i Stat' o literature. Moskva, Pravda, 1967. 77 p. (Biblioteka "Komsomol'skoi pravdy," no. 3)
- TIUMENEVA, G. A. [Gogol' and music] Gogol' i muzyka. Moskva, Muzyka, 1966. 214 p.
- TKACHENKO, L. V., and S. H. NIKITASHENKO. [A moral, humorous and fisherman's stories] Chmur; humorosy ta rybals'ki opovidannia. Kyiv, Rad. pys'mennyyk, 1965. 182 p. illus. (IU)
- TOLMACHEV, M. V. [Marcel Proust. The crisis of the modern French novel of the 1920's. Author's abstract of the dissertation for the degree of Candidate in Philosophical Sciences] Marcel' Prust. K voprosu o krize frantsuzskogo modernisteskogo romana 1920-kh gg. Avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata filosoficheskikh nauk. Nauch. rukovoditel' B. I. Purlishev. Moskva, Mosk. gos. pedagog. in-1, 1965. 19 p. [MICROFILM]
- TOLSTAI, T. V. [The childhood of Lermontov; a tale] Detstvo Lermontova; povest'. [Izd. 3.] Moskva, Detskaya lit-ra, 1964. 335 p. facsim. plates. (Shkol'naya biblioteka) (NCd)
- TOLSTOI, L. N. [Collected works in twenty volumes] Sobranie sochinenii v dvadtsati tomakh. Pod obshchei red. N. N. Akopovoi i dr. Moskva, Khudozh. lit-ra, 1900-29 v. (NJR)
- TOLSTOI, L. N. [Prisoner of the Caucasus] Kavkazskii plenik. [Moskva, Del'ta, 1961] 62 p. (Shkol'naya biblioteka dlia neuvazhnykh shkol) (IU)
- [TRAVELS BEYOND THE SEAS] Khozhdenie za tri moria. Moskva, Sovetskii pisatel', 1966. 379 p. illus. (IU) (MH)
- TSULESKII, N. A. [The white mountain; a tale] Belina gora; povest'. [Moskva, Molodaya gvardiya, 1967] 189 p. (Molodye pisateli)
- TURGENEV, I. S. [Articles and materials (1818-1883-1958)] Stat'i i materialy (1818-1883-1958). Orel, Orelskoe knizhnoye izd-vo, 1960. 613 p. (OCI)
- TURGENEV, I. S. [Complete collected works and letters in twenty-eight volumes. Letters in thirteen volumes] Polnoe sobranie sochinenii i pismen v dvadtsati vos'mi tomakh. Pis'ma v tridtsati tomakh. Moskva, Nauka, 1966. 766 p.
- TURGENEV, I. S. [Complete collected works and letters in twenty-eight volumes. Works in fifteen volumes] Polnoe sobranie sochinenii i pismen v dvadtsati vos'mi tomakh. Sochinenia v p'iatnadtsati tomakh. Moskva, Nauka, [Works] Sochinenia. Vol. 12. [Virgin soil, 1876. Introduction to novels, 1880] Nov', 1876. Pred-slovie romanam, 1880. 1967. 581 p.
- TURGENEV, I. S. [Fathers and sons; a novel] Ottsy i deti; roman. Tula, Permskoe knizhnoye izd-vo, 1900. 206 p.
- TURICHIN, I. A. [Today the sun will not set; a tale] Segodnia solntse ne zaidet, povest'. [Murmansk] Murmanskoe knizhnoye izd-vo, 1965. 156 p. (NIC)
- TURKMENSKII GOSUDARSTVENNYI UNIVERSITET. [Bibliographical index of literature on Turkmen linguistics, 1924-1964] Bibliograficheskii ukazatel' literatury po turkmenскому языкознанию (1924-1964 gg.). Ashkhabad, "Turkmenistan," 1966. 118 p.
- TURKOV, A. M. Nikolai Zabolotskii. Moskva, Khudozh. lit-ra, 1966. 141 p. (CIV)
- TVAROVSKII, A. T. [Collected works in five volumes] Sobranie sochinenii v piati tomakh. Moskva, Khudozh. lit-ra, Vol. 2. [Poems; Country of Muravia, Vasilii Terkin] Poemy: Strana Muravlia, Vasilii Terkin. 1966. 413 p.

TYVRODOV, E. G. [In the forests of the Onega Lake region] V knizhnykh prirodoznanii, Moskva, Sov. pisatel', 1965. 249 p.

TYCHINA, P. H. [Selected works] Izbrannoe, Moskva, Khudozh. lit-ia, 1965. 246 p. (MIU)

TYLKURANTS, O. V. [Verse. Critical text, research and commentaries by E. Pivazian.] Stikhi. Nauchno-kriticheski tekst, issledovanie i kommentarii E. Pivaziana. Erevan, Izd-vo Akad. nauk Armianskoi SSR, 1960. 297 p. [In Armenian] (MIU)

UPITS, ANDREJS. [Renegades, a novel. Translated from the Latvian] Renegaty, roman. Moskva, Khudozh. lit-ia, 1965. 325 p. illus. (IU)

UVAROVA, L. Z. [The Cape of Good Hope, stories and a tale] Mys Dobroi Nadezhdy, rasskazy i povest'. Moskva, Sovetskaya Rossiya, 1966. 147 p. illus. (IU) (NIC)

VAL'BE, B. S. ["The Life of Kiln Sanglin" in the light of the history of Russian social thought] "Zhizn' Kiln Sanglina" v svete istorii russkoi obshchestvennoi mysli. Moskva, Sovetskii pisatel', 1966. 286 p. (InU)

VARUSTIN, L. E. [The magazine "Russkoe slovo" 1850-1866] Zhurnal "Russkoe slovo" 1850-1866 [Leningrad] Izd-vo Leningr. univ., 1966. 250 p.

VENCLOVA, ANTANAS. [Time and writers] Laikas ir rašytojai Vilnius, Valstybine gazines lit-rus leidykla, 1958. 768 p. [In Lithuanian]

VENCLOVA, ANTANAS. [Verse. Translated from Lithuanian] Stikhotvoreniia, Moskva, Khudozh. lit-ra, 1966. 246 p. (Biblioteka sovetskoi poezii) (MIU)

VIDGOP, L. N., and I. A. L. SUKHOTIN. [Secret of skipper Harvey] Sekret shkipera Kharveia. Leningrad, Det'skaja lit-ra, 1967. 205 p.

VOINOV, V. I. [The people of Dukhov, a novel in three parts] Dukhovchane, roman v trekh chastiakh. Moskva, Sov. pisatel', 1967. 530 p.

VOROB'EV, V. I. [Fairy tales] Skazki. [Perm'] Permskoe knizhnoe izd-vo, 1966. 118 p.

VORONSKI, A. K. [Seminary] Bursa. Moskva, Khudozh. lit-ra, 1966. 318 p.

VSEVOLOZHSKII, I. E. [Night fogs, scenes from seamen's lives] Nochnye tumany, sizeny iz zhizni mornikov. Moskva, Voenizdat, 1967. 253 p.

[WIDE-OPEN OCEAN] Okeanskoe prostory. Vladivostok, Dal'n vostochnoe knizhnoe izd-vo, 1965. 103 p. (IEN)

ZAKHAROV, M. A. [The last tales..., short stories] Starye poslednye..., poslednie rasskazy. Moskva, Pravda, 1965. 80 p. (Biblioteka Krokodila, no. 16(423))

ZALITE, ELENA. [An early rust, a novel] Agia rusa, romans. Riga, Liesma, 1966. 354 p. [In Latvian]

ZAMATIN, V. D. [Selected works] Izbrannoe. Moskva, Sov. Rossiya, 1966. 212 p.

ZARIAN, NAIRI. [Sasowits Davit', David Sasunskii. Erevan, Alastan] 1966, 193 p. [In Armenian]

ZHDANOVA, LIDIA. [Demon tracks] Besovy sledki. Riga, Liesma, 1967. 65 p.

LEVOYTOBRIUKH, M. A. [A course in the present-day Ukrainian literary language] Kurs suchasnoi ukrains'koj literaturnoi movy. Vyd. 3. Kyiv, Radlansk'a shkola, 1965- (NcU)

ZINGER, M. E. [We took field trips, selected works] Khodili my pokhodami, izbrannoe. Moskva, Sovetskii pisatel', 1959. 471 p. illus. (OU)

ZOLOTOUSHIKIN, ALEKSANDR. [Verse] Stikhi. Kishinev, Kartia Moldovenaske, 1966. 157 p. (IEN)

ZUL'FUA. [Verse. Stikhi] Tashkent, Gostizdat UzSSR, 1963. 157 p. (Biblioteka uzbekskikh sovetskikh poetov) [In Uzbek] (MIU)

ZUNNUNOVA, SAIDA. [Verse, Stikhi] Tashkent, Izd-vo Tashkent, 1964. 153 p. (Biblioteka uzbekskikh sovetskikh poetov) [In Uzbek] (MIU)

ZVIAGIN, I. U. M. [The sparks will not go out, sketches] Iski v ne ostyvali, ocherki. Tbilisi, Lilelalia da khelovneba, 1965. 96 p. (Biblioteka ocherka)

## 12. GEOGRAPHY & GEOLOGY

AKADEMIA NAUK SSSR. Dal'n vostochnyi filial. Dal'n vostochnyi geologicheskii institut. [Problems of the petrology of metamorphic and igneous rocks] Voprosy petrologii metamorficheskikh i magmaticheskikh poisk. Vladivostok, 1965. 64 p.

AKADEMIA NAUK SSSR. Komissiya po izucheniu chetverichnogo perioda. [Upper Pleistocene, stratigraphy and absolute geochronology] Veikhnit pletstotsen, stratigrafia i absolutnaya geokhronologiya. Moskva, Nauka, 1966. 263 p.

ALDAN-SEMEYNOV, A. I. Semenov-Tian-Shanskii, Moskva, Molodaya gvardiya, 1965. 103 p. illus. (Zhizn' zamchatel'nykh liud. Seriya biografi, no. 24(415)) (FtASU)

ALEKSANDROVA, L. N., O. A. NAIDENOVA, and O. V. IURLOVA. [Practical course on the fundamentals of geology] Praktikum po osnovam geologii. Moskva, Vysshaya shkola, 1966. 151 p.

[ATLAS OF MOTOR HIGHWAYS OF THE U.S.S.R.] Atlas avtomobil'nykh dorog SSSR. Moskva, Glav. upr. geodezii i kartografi MG SSSR, 1966. 168 p.

BETEKTINA, O. A. [Upper Pleistocene non-marine Paleocene (bivalves) of Siberia and eastern Kazakhstan] Veikhnepaleotsenkie nemorskie peletsipudy (dvustvoiki) Sibiri i Vostochnogo Kazakhstana. Moskva, Nauka, 1966. 210 p. illus.

[CONQUERED PEAKS, a collection of Soviet alpinism] Pobezhdennyye vershiny, sbornik sovetskogo alpinizma 1961-1964. Moskva, Mysl', 1966. 420 p.

[CULTURE AND LIFE OF THE PEOPLES OF FOREIGN EUROPEAN COUNTRIES, climatological studies] Kul'tura i byt narodov zarubezhnoi Evropy, etnograficheskie issledovaniya. Moskva, Nauka, 1967. 254 p.

ERLICH, E. N., ed. [Geochemistry of the Cenozoic Kurile-Kamchatka volcanic region] Petrokhimicheskoe knizhnoe izd-vo Kurilo-Kamchatskoi vulkanicheskoi provintsi. Moskva, Nauka, 1966. 276 p.

GARBALLAUSKAS, Č., and V. ŠCMELOVAS, eds. [Lithuanian climate] Lietuvos klimatas. [By] A. Buzas ir kiti. Vilnius, Mintis, 1966. 166 p. [In Lithuanian]

GENKINA, R. Z. [Fossil flora and stratigraphy of Lower Mesozoic sediments of the Issyk-Kul' Basin (northern Kirgizistan)] Iskopaemaya flora i stratigrafia nizhnemezozoicheskikh otlozhenii Issyk-Kul'skoi vpadiny (Severnaya Kirgiziya). Moskva, Nauka, 1966. 147 p. illus.

[GEOLOGY OF THE U.S.S.R.] Geologiya SSSR. Glav. red. A. V. Sidorenko, Moskva, Nedra. Vol. 19. Krasnyi, L. I., A. A. Leonovich, and V. V. Onikhimovich, eds. [Khabarovsk Territory and Amur Province] Khabarovskii krai i Amurskaya oblast'. Pt. 1. [Geological description] Geologicheskoe opisanie. 1966. 736 p. map (insert)

[GEORGIAN S.S.R.; administrative-territorial divisions as of January 15, 1966] Gruzinskaya SSR; administrativno-territorial'noe delenie na 15 yanvaria 1966 goda. Izd. 3. Tbilisi, 1966. 276 p.

[GLACIOLOGICAL STUDIES IN KAZAKHISTAN] Glatsiologicheskie issledovaniya v Kazakhstane. Alma-Ata. No. 6. 1966. 139 p.

GORCHAKOV, V. A. [Through the Don Valley and the Kuban] Po Donu i Kubani. Leningrad, Khudozhnik RSFSR, 1965. 35 p. (MIU)

GORIACHEV, A. V. [Basic characteristics of tectonic development of the Kurile-Kamchatka zone] Osnovnye zakonomernosti tektonicheskogo razvitiia Kurilo-Kamchatskoi zony. Moskva, Nauka, 1966. 234 p.

[GREMYAKHA-VYRMITS MASSIF IN THE KOLA PENINSULA] Massiv Gremiakha - Vyrmits na Kol'skom polostrove. [By] A. A. Polkanov i dr. Moskva, Nauka, 1967. 235 p.

GRICHER, I. G. [A meeting with Marianne] Svidaniia s Mariannoi. [Moskva, Molodaya gvardiya, 1965] 38 p. (Rovestni shagat po planeto) (MIU)

[GUIDEBOOK FOR MOTORING TOURISTS IN THE UKRAINE] Putevoditel' avtomobil'no po Ukraini. Kiev, Budivelnik, 1967. 197 p.

HUDZENKO, P. A. [Summary Province, a geographic sketch] Sum'ska oblast', geogr. afichnyi anitsy. Vkhodil'nyi red. O. T. Dibova, Kyiv, Radlansk'a shkola, 1959. 119 p. (Oblasti Ukrainy'kot RSU) (NI)

INTERNATIONAL GEOLOGICAL CONGRESS. 20th, Mexico, 1956. [Cumbrian system, its paleogeography, and the problem of lower boundary, a symposium] Kombiinskaya sistema, ee paleogeografiia i problema nizmnei granitsy, simpozium. Moskva, Vol. 3. [Western Europe, Africa, U.S.S.R., Asia, America] Zap. Evropa, Afrika, SSSR, Azia, Amerika. 1961. 615 p. [In 5 languages]

INTERNATIONAL GEOLOGICAL CONGRESS. 21st, Copenhagen, 1960. [Transatlantic. Translated from English, German, and French] Trudy. Pod red. D. B. Nakhin i E. V. Pavlovskogo. Moskva, Izd-vo Inostr. lit-ry. No. 1. [Stratigraphy, paleontology, and paleogeography] Stratigrafia, paleontologiya i paleogeografiia. 1963. 578 p.

IOGANZEN, D. G., and others. [Lake Teletskoye] Teletskoe ozero. Vyd. 2., dop. [Barnaul] Altai'skoe knizhnoe izd-vo, 1966. 111 p.

KALININGRAD. [Kaliningrad] Kaliningradskoe knizhnoe izd-vo, 1966. 1 v. 134 p. illus.

KARATAEV, G. I. [Correlation scheme of the geological interpretation of gravity and magnetic anomalies] Korreliatsionnaya skhema geologicheskoi interpretatsii gravitatsionnykh i magnitnykh anomalii. Novosibirsk, Nauka, 1966. 134 p.

KOCHETKOV, V. M. [Sel'mskiy ty Yakuti] Sel'skoye khoz-voystvo Yakutii. Moskva, Nauka, 1966. 90 p.

KOVALEV, I. A. [Uglich, a guide to the city and environs] Uglich, putevoditel' po gorodu i okrestnostiam. [Ia] a glav'. Veikhnepaleotsenkie knizhnoe izd-vo, 1965] 163 p. (InU)

KUZNETSOV, K. F., and G. M. METTUV. [Geochemistry of rare elements in lead-zinc deposits of eastern Transbaikalia] Geochemiya redkikh elementov v svyatsvatskikh mestakh ozhdeniia Vostochnogo Zabaikal'ia. Moskva, Nauka, 1967. 246 p.

LYMAREV, V. I. [Coasts of the Aral Sea, inland reservoir of an arid zone] Beregi Aralskogo mornia - vnutrennyy vodnoy aridnoi zony. Leningrad, Nauka, 1967. 261 p.

MARINOV, N. A., ed. [Materials on the geology of the Mongolian People's Republic] Materialy po geologii Mongol'skoi Narodnoi Respubliki. Moskva, Nedra, 1966. 285 p.

NAUCHNOST VOSESHCHIANIE GEOGRAFOV SIBIRI I DAL'NEGO VOSTOKA, 3d, Irkutsk, 1966. [Materials of the 3d Scientific Conference of the Geographers of Siberia and the Far East] Materialy. Irkutsk. No. 1. [Role of geography and the tasks of geographers in the comprehensive study and reclamation of the West Siberian Lowland] Rol' geografi i zadachi geografov v kompleksnoi izuchanii i osvoenii Zapadno-Sibirskoi nizmennosti. 1966. 75 p. No. 2. [Results of and outlook for the introduction of new methods of geographical research] Rol' i perspektivy vvedeniia novykh metodov geograficheskikh issledovani. 1966. 72 p.

OBRUCHIEV, V. A. [Plutonia, Sannikov Island] Plutonia. Zonila Sannikova. Moskva, 1958. 638 p. (Biblioteka priklucheni) (NIC)

PASETSKII, V. M., comp. [In the country of white sphinx] V strane belogo sfinksa. Leningrad, Gidrometizdat, 1966. 337 p.

PECHERIK, I. A. [Geodynamics of the shore lines of Kama reservoirs] Geodinamika poberezhnykh kamskikh vodokhranilishch. Perm' Permskii gos. univ. Pt. 1. [Engineering geology conditions] Inzhenerno-geologicheskie uslovia. 1966. 106 p.

PENUS, G. V., and I. N. KOLESNIK [Alpine-type ultrabasic rocks of the south of Siberia] *Al'mintopnye giperbazity tuga Sibiri* Moskva, Nauka, 1966 209 p.

POCHIVALOV, L. V. [We are abroad, pages from diaries from abroad] *My za granitsy, straniki iz zarubezhnykh dnevnikov*, [Moskva] Molodaya gvardiya, 1967, 208 p.

POVARENNYKH, A. S. [Crystallochemical classification of mineral types] *Kristallogimicheskaya klassifikatsiya mineral'nykh vidov*, Kiev, Naukova dumka, 1966, 547 p.

(PROBLEMS IN THE GEOGRAPHY OF THE AMUR VALLEY) *Voprosy geografii Primur'ia*, Khabarovsk, 1965 108 p.

(PROBLEMS OF HYDROGEOLOGY AND HYDROCHEMISTRY) *Voprosy gidrogeologii i gidrokhimii*, [Leningrad] Izd-vo Leningr. univ., 1966, 175 p.

(RADIOGEOLOGICAL WORKS IN GEOPHYSICAL SURVEYS, a practical manual) *Radiogeologicheskie raboty pri geofizicheskikh issledovaniyakh, prakticheskoe posobie*, Moskva, 1965, 223 p.

RISALO, JAAN, Kaitani, Tallinn, Eesti Raamat, 1966, 70 p. [In Estonian]

RUDNEK, V. A. [Atomic volumetry as applied to metamorphic formation of minerals and rocks] *Atomno-ob'emyi metod v primeneni k metasomaticheskomu mineralo-poroobrazovaniyu* Leningrad, Nedra, 1966, 117 p.

SAAR, ASMU, [From Tallinn to Klooga] Tallinnast Kloogale, Tallinn, Eesti Raamat, 1966, 118 p. [In Estonian]

SEIDBEILI, G. M. [Fifteen days in Japan] *On besh kun Iaponada*, Baku, Azernesht, 1966, 128 p. [In Azerbaijani]

SEMENENKO, N. P. [Metamorphism of mobile zones] *Metamorfizm podviznykh zon*, 2., dop. i pererab., Kiev, Naukova dumka, 1966, 296 p.

SIVETS, V. N. [On the roads of the Crimea, guidebook for motorist tourists] *Dorogami Kryma, sputnik avtomobilista*, Simferopol', Izd-vo Krym, 1967, 143 p.

(SMOLENSK, a guidebook) *Smolensk, putevoditel*, 4., izpr. i dop. izd., [Moskva, Mosk. rabochi, 1965] 230 p. (CAOTU) (NIC)

STANIUKOVICH, K. V. [On the trail of an astonishing mystery, from the diary of an expedition] *Po sledam uditel'nol zagadki, iz dnevnika ekspeditsii*, [Moskva] Molodaya gvardiya, 1965, 197 p. (CU)

STEPANOV, V. N. [Ocean and the future of the earth] *Okean i budushchee Zemli*, Moskva, Znanie, 1967, 77 p. (Novoe v zhizni, nauke, tekhnike, XIII Seriya: Nauka o Zemle, 2/3)

SUDOVNIKOV, N. G. [Problem of rapakivi and late orogenic intrusions] *Problema rapakivi i pozdnoorogicheskikh intruzii*, Moskva, Nauka, 1967, 116 p.

TAKSAMI, CH. M. [The Nivkhi; their present-day economy, culture, and way of life] *Nivkhi; sovremennoe khozaystvo kul'tura i byt*, Leningrad, Nauka, 1967, 268 p.

TRECIKAUSKAS, K. [At the lakes of Ignalina] *U Ignalinskiikh ozer*, Vilnius, Gos. Izd-vo polii i nauch. lit. Lietuvos SSR, 1963, 14 p.

TSIUPA, I. A. [Our country, the Ukraine] *Ukraina - ridnyi kraj*, Kyiv, Veselka, 1965, 205 p. (MU)

USEBALY, KENESBAL, [The country of three thousand islands; travel notes of a journalist. Strana trekh tysach ostrovov, putevye zametki zhurnalista, Alma-Ata, Izd-vo Kazakhstan] 1964, 82 p. [In Kazakh] (MH)

VAN'IAN, L. L. [Establishment of the electromagnetite field and its use for the solution of the problems of structural geology] *Stanovlenie elektromagnitnogo polya i ego ispol'zovanie dlia resheniya zadach struktural'noy geologii*, Novosibirsk, Nauka, 1966, 101 p.

VEJANS, ANDRIS, [A green lizard; first visit to Cuba] *Zala kirzacinas; pirma sastapsanas ar Kubu*, Riga, Liesma, 1966, 136 p. [In Latvian]

VIALOV, O. S. [Traces of the vital activity of organisms and their paleontological significance] *Stydy zhiznedatel'nost' organizmov i ikh paleontologicheskoe znachenie*, Kiev, Naukova dumka, 1966, 219 p.

VINOGRADOV, V. N. [Glaciers of Kamchatka] *Ledniki Kamchatki*, Pod red. B. I. Pipa, Petropavlovsk-Kamchatskiy, Kamchatskiy otdel Geograficheskogo obshchestva SSSR, 1965 19 p.

[MICROFILM]

VOROB'EV, G. G. [What do you know about tekites?] *Chto vy znate o tekittakh*, Moskva, Nauka, 1966 109 p. (Nauchno-populyarnaya seriya)

(YOUNG TOURISTS IN THE CARPATHIANS, a guidebook in Ukrainian and Russian) *Uyul turystiv v Karpaty; putivnykh ukrains'kolya ta ruskoye movany*, Uzhhorod, "Karpaly", 1966, 318 p. Illus., fold. maps (in pocket). (NN)

ZAJDLER, LUDWIK [Atlantis Translated from Polish] *Atlantida*, Pod red. N. F. Zhigova, Posleslovie O. K. Leont'eva, Moskva, Miu, 1966, 342 p.

### 13. SCIENCE

AKADEMIYA NAUK SSSR, Institut fiziologii [Neurohormonal regulation of lactation] *Neiro-gormonal'naya regulatsiya laktatsii*, Moskva, Nauka, 1966, 234 p.

AKADEMIYA NAUK SSSR, Institut kristallografii, [Dislocations in crystals; a bibliographical index] *Dislokatsii v kristallakh; bibliograficheskiy ukazatel*, 1959-1961, Moskva, Nauka, No. 2, 1966, 380 p.

AKADEMIYA NAUK SSSR, Sibirskoe otdelenie, Institut analiza, [Methods of studying catalysts and catalytic reactions] *Metody issledovaniya katalizatorov i kataliticheskikh reaktsii*, Novosibirsk, Redaktsionno-Izdatskiy otdel Sibirskogo otdela AN SSSR, Vol. 2, 1965, 445 p.

AKADEMIYA NAUK SSSR, Sibirskoe otdelenie, Institut matematiki, [Mathematical programming] *Matematicheskoe programmirovaniye*, Moskva, Nauka, 1966, 133 p.

AKADEMIYA NAUK URSS, Institut radiofiziki i elektroniki, [Radiographic studies of sea waves] *Radfografiicheskoye issledovaniye morskogo volneniya*, Pod red. S. I. A. Braudo, Kiev, Izd-vo Akad. nauk URSS, 1962, 114 p. (Wau)

AKHMADKHADZHAEV, B., and V. B. BELIAEV, [Convergence of two-particle disintegration in the problem of three bodies] *O skhodnosti 2-chastichnykh razlozhenii v zadache trekh tel*, Dubna, 1967 7 p.

ANNUS, A. [Analysis of objects to undergo automation] *Automatizatsionnyye obyektye avtomatizatsii*, Tallinn, Viltgus, 1965, 145 p. [In Estonian]

[APPARATUS AND METHODOLOGY OF SEISMIC OBSERVATIONS, seismographs, oscillographs, analyzers] *Apparatura i metodika seismomorficheskikh nabludeni, seismografi, ostillografi, analizatory*, Moskva, Nauka, 1966, 158 p.

ARBAEV, S. A., K. S. SULAIMANKULOV, and K. SU. SHATMIROV, [Russian-Kirghiz dictionary of chemical terms] *Khimicheskiy terminordnik orussko-kyrgyzska sozdugu, Russko-kirgyzskii slovar' khimicheskikh terminov*, Frunze, Ilim, 1966, 317 p.

BABIKOV, V. V. [Modern models of nuclear forces. Paper delivered at the 17th Conference on Nuclear Spectroscopy and Nuclear Structure, Kharkov, 1967] *Sovremennyye modeli yadernykh sil*, Doklad, predstavleniy na XVII soveshchaniye po yadernoi spektroskopii i strukture atomnogo yadra (Kharkov, 1967 g.), Dubna, 1967 10 p.

BABIKOV, V. V., and V. S. KISELEV, [Description of elastic nucleon-nucleon scattering in a mesonic model of nuclear forces] *Opisaniye uprugogo nuklon-nuklonnogo rasselaniya v mezonnoi modeli yadernykh sil*, Dubna, 1967, 10 p.

BADALOV, S. T. [Rare elements of Central Asia] *Urtin Osongon nodir elementari*, Tashkent, Fan, 1965, 47 p. [In Uzbek]

BAGREEV, V. V., and V. B. MESHCHERIAKOV, [Methodological textbook for use in solving problems in theoretical mechanics; statics] *Metodicheskoe posobie po resheniyu zadach teoreticheskoi mekhaniki; statika*, Moskva, 1966, 81 p.

BAKIMAN, N. N., and A. F. BELIAEV, [Combustion of heterogeneous condensed systems] *Goreniye geterogennykh kondensirovannykh sistem*, Moskva, Nauka, 1967, 225 p.

DAKULIN, P. I., E. V. KONONOVICH, and V. I. MOROZ, [Course in basic astronomy] *Kurs osnovnykh astronomii*, Moskva, Nauka, 1966 527 p.

DAT', M. I., G. U. DZIANELIDZE, and A. S. KEL'ZON, [Theoretical mechanics in examples and problems] *Teoreticheskaya mekhanika v primeneni k zadacham*, Pod red. G. U. Dzhanelidze, Moskva, Nauka, Vol. 2, [Dynamics] *Dinamika*, Izd. 3., steretipnoe, 1966, 663 p.

BAZ', A. I., I. A. B. ZEL'DOVICH, and A. M. PERELOMOV, [Scattering, reactions, and decays in non relativistic quantum mechanics] *Rasselaniye, reaktsii i raspady v nerelativisticheskoi kvantovoi mekhanike*, Moskva, Nauka, 1966, 339 p.

BEI-BIENKO, G. I. A. [General entomology] *Obshchaya entomologiya*, Moskva, Vysshaya shkola, 1966, 495 p.

BELIAEV, V. B., and R. A. ERAMZHIAN [Neutron asymmetry due to  $\mu$ -capture on nuclei] *K voprosu asimetrii neutronov pri  $\mu$ -zakhvate na yadakh*, Dubna, 1967, 8 p.

[BIOCHEMISTRY OF LEGUMINOUS PLANTS; protein substances of seeds and taxonomy of Leguminosae] *Biokhimiya bobovykh rastenii, belkovyye veshchestva semen i sistematika bobovykh*, Moskva, Nauka, 1967, 84 p.

BLIDELIS, J. [X-rays, properties of crystals] *Rentgenstari - kristali izluki*, Riga, Zinatne, 1966 94 p. [In Latvian]

BOGOMUDOV, N. N., ed. [Structure of complex nuclei] *Struktura slozhnykh yader*, Moskva, Atomizdat, 1966, 350 p. (Letnaya shkola (fizikov))

BORISOV, S. N., M. G. VORONKOV, and E. I. A. LUKEVITS, [Organosilicon-organometallic compounds, non-organogenic derivatives] *Khimicheskiye organicheskiye soedineniya, proizvodiye neorganicheskikh* [Leningrad] Khimiya, 1966 541 p.

CHIEKH, I. A. [Semiconductor control scheme of a scanning device for spark chamber films] *Puteprovodnikskaya skema upravleniya pribora dlya prosmotra plenki s iskrovymi kamer*, Dubna, 1967, 4 p.

CHEREPANOV, A. I., ed. [Biological principles of the control of bloodless diptera in the Ob' River basin] *Biologicheskiye osnovy bor'by s gnusom v bassein Obi*, Novosibirsk, Nauka, 1966, 267 p.

[COMPOSITE SEMICONDUCTORS] *Slozhnye poluprovodniki*, Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1966, 134 p.

[CONCISE CHEMICAL ENCYCLOPEDIA] *Kratkaya khimicheskaya entsiklopediya*, Red. kollegiya I. L. Khuslainskiy, Moskva, Sovetskaya Entsiklopediya (Entsiklopediya slovar, spravochnik) Vol. 5 T-IA, 1967, 1184 columns.

DAVYDOV, N. N. [Russian-English-German-French-Latin botanical dictionary] *Russko-angliysko-nemetsko-frantsuzsko-latinskii russko-angliysko-nemetsko-frantsuzsko-latinskii slovar'*, Pod red. F. Kh. Bakhteyeva, Izd. 2., steretipnoe, Moskva, Glav. red. insh. nauchno-tekhn. slovarov i frantsuzskaya, 1962, 335 p. (TxU)

[DEVELOPMENT AND REGULATION OF HISTHEMATIC BARRIERS] *Razvitiye i regulatsiya gisto-geneticheskikh bar'erov*, Moskva, Nauka, 1967, 100 p.

[DISPERSION SUM RULES IN THE THEORY OF STRONG INTERACTIONS] *Dispersionnye pravila summ v teorii sil'nykh vzaimodeistviy*, [By] V. A. Matveev i dr., Dubna, 1967 57 p.

DOROFEEV, G. A., and G. N. INKHOV, [Standard sources of ionizing radiations] *Obraztsyovo istochnik ioniziruyushchikh izlucheni*, [Moskva] Atomizdat, 1967, 123 p.

DUBININ, N. P., and I. A. L. GLEMBOTSKII, [Genetics of populations and selection] *Genetika populatsii i selektsiya*, Moskva, Nauka, 1967, 591 p.

DUBININ, N. P., and V. S. GUBAREV, [Thread of life; essays in genetics] *Nit' zhizni; ocherki o genetike*, Moskva, Atomizdat, 1966, 166 p. (Nauchno-populyarnaya biblioteka atomizdata)

- [DYNAMICS OF NEURON NETWORKS, reports] *Dinamika netronnykh setei, sbornik dokladov*. Vilnius, 1966 92 p.
- [THE EARTH AND THE UNIVERSE] *Zemlia i Vselessennye* Moskva, Znanie, 1966 285 p.
- [EFFECTIVE MOMENTS OF INERTIA OF HEAVY NUCLEAT AT THE SADDLE POINT] *Effektivnye momenty inertsii tuzhnykh iader v sedlovoy toчке* [By] S. A. Karaman (dr. Dubna, 1967 30 p.
- EINSTEIN, ALBERT [Collection of scientific works in four volumes] *Sobranie nauchnykh trudov v chetyrekh tomakh*. Pod red. I. E. Tamms, I. A. Smorodinskogo, B. G. Kuznetsova. Moskva, Nauka.
- Vol. 3 [Papers on the kinetic theory, radiation theory, and the fundamentals of quantum mechanics, 1901-1955] *Raboty po kineticheskoi teorii, teorii izlucheniia i osnovam kvantovoi mekhaniki, 1901-1955* 1966 631 p. (Klassika nauki)
- [EXPLORATIONS OF THE FAR EASTERN SEAS OF THE U.S.S.R.] *Issledovaniia dal'nevostochnykh morei SSSR*. Leningrad, Izd-vo Akad. nauk SSSR, 1941-1962, 8 v. (OrCS)
- FEDOROV, O. M. [From the inanimate to the living] *Vid nezhyvogo do zhyvogo*. Kiyv, Naukova dumka, 1965, 79 p. (Naukovo-popularna literatura)
- FERDMAN, D. L. [Biochemistry] *Biokhimiia*. Izd. 3., pererab. i dop. Moskva, Vysshaya shkola, 1966. 642 p.
- FIALKO, E. I. [Radiolocation of meteors, some results of observations, theoretical and methodological problems] *Radiolokatsiia meteorov, nekotorye rezul'taty nabludenii, voprosy teorii i metodiki*. Moskva, Sov. radio, 1967 107 p.
- FIKHTENGOL'TS, G. M. [Fundamentals of mathematical analysis] *Osnovy matematicheskogo analiza*. Moskva, Nauka.
- Vol. 1. Izd. 5. 1964. 440 p.
- [FOREST ENTOMOFAUNA OF THE KURILE ISLANDS, KAMCHATKA PENINSULA AND MAGADAN PROVINCE] *Entomofauna lesov Kuril'skikh ostrovov, polostrova Kamchatki, Magadanskoi oblasti*. Moskva, Nauka, 1966. 137 p.
- FRAJSHAT, D. M. [Preparation of chemical reagents] *Protivodstvo khimicheskikh reaktivov*. Moskva, Vysshaya shkola, 1966 117 p.
- FREEMAN, G. A. [Elements of the structural theory of adding sets] *Nachala strukturnoi teorii slozheniya mnozhestv*. Pod red. A. M. Liushtika i L. P. Usol'tseva. Kazan', Kazanskii gos. pedagog. in-l, 1966 137 p.
- GAENOVICH, A. E. [Origin of genetics] *Zarozhdeniye genetiki*. Moskva, Nauka, 1967 194 p.
- GAVRILOV, V. A. [Visibility in the atmosphere] *Vidimost' v atmosfere*. Leningrad, Gidrometeoizdat, 1966. 323 p.
- GEL'FOND, A. O. [Calculus of finite differences] *Ischisleniye konechnykh raznostei*. Izd. 3, ispr. Moskva, Nauka, 1967. 375 p.
- GORYSHIN, N. I. [Technological basis of ecological research in entomology, measurement and regulation of physical factors of environment] *Tekhnicheskoe osnashcheniye ekologicheskikh issledovaniy v entomologii, izmereniye i regulirovaniye fizicheskikh faktorov sredy*. [Leningrad] Izd-vo Leningr. univ., 1966 234 p.
- GOSUDARSTVENNYI INSTITUT VITAMINOLOGII. [Vitamins. Physiology and biochemistry of vitamins and their study in clinical practice; transactions of the 2d Scientific Conference] *Vitaminy. Fiziologiya i biokhimiia vitaminov i ikh izucheniye v klinike, trudy II nauchnoi konferentsii*. Moskva, 1962. 323 p. [MICROFILM]
- GRIGOR'EV, I. S., and V. M. NOVIKOV. [Neutron diffusion in heterogeneous media] *Diffuziia neutronov v geterogennykh sredakh*. Moskva, Atomizdat, 1966. 174 p.
- [GUIDE OF INSTRUCTIONS, METHODOLOGICAL DIRECTIONS, AND RULES GOVERNING THE TESTING OF MEASURES AND MEASURING INSTRUMENTS (position as on January 1, 1965)] *Ukazatel' instruktsii, metodicheskikh ukazanii i pravil po poverke mer i izmeritel'nykh priborov (po sostoiianiu na 1/1 1965 g.)*. Izd. otkladiy. Moskva, Izd-vo Standartov, 1965. 19 p.
- GUMILEVSKII, L. I. *Vernadskii*. 2, izd. Moskva, Molodai gvardiia, 1967. 255 p. (Zhizn' zamechatel'nykh liudel, Seriya biografii, no. 2(325))
- GUMILEVSKII, L. I. *Zhizn'*. Moskva, Molodai gvardiia, 1965. 269 p. (Zhizn' zamechatel'nykh liudel, Seriya biografii, no. 9(104)) (RTaSU)
- [HIGH-ENERGY PHYSICS AND THE THEORY OF ELEMENTARY PARTICLES] *Fizika vysokikh energii i teorii elementarnykh chastits*. Kiev, Naukova dumka, 1967. 815 p. [In Russian and English]
- [HIGHLY LOCALIZED BRIGHT TRACKS IN A HELIUM-FILLED STREAMER CHAMBER] *Polucheniye khorosho lokalizovannykh sledov vysokoi tuzkosti v strimernoi kamere s gelliem* [By] M. M. Kulukin i dr. Dubna, 1967 20 p.
- HRODZINS'KYI, A. M. [Vitamins in the air. Plant memoirs. Fungus break asphalt. Witches' broom] *Vitaminy v vozdukhe. Pamiat' rastenii, Grubyi ruyt asfal'ta, Ved'mina metla*. Kiev, Naukova dumka, 1966. 199 p. (Nauchno-populnarna literatura)
- [HYDROCLIMATIC RESEARCH IN THE FORESTS OF SIBERIA, interrelation of forest and environment and methods for their study] *Gidroklimaticheskie issledovaniia v lesakh Sibiri, vzaimootnosheniye lesa i sredy i metody ikh izucheniia*. Moskva, Nauka, 1967. 150 p.
- IAROSLAVTSEV, A. A. [Collection of problems and exercises in analytical chemistry] *Sbornik zadach i uprazhnenii po analiticheskoi khimii*. Izd. 2, ispr. 1 dop. Moskva, Vysshaya shkola, 1966 293 p.
- IL'INSKII, O. B. [Problems of physiology of sensory systems, mechanoreceptors] *Voprosy fiziologii sensornykh sistem; mekhanoreseptory*. Leningrad, Nauka, 1967 89 p.
- IOFE, I. U. M., and A. T. ROGOV. [Problems in higher mathematics for technical schools] *Zadachnik po vysshei matematike dlia tekhnikumov*. Moskva, Vysshaya shkola, 1966 226 p.
- KADACHNIK, M. I. [Organophosphorus substances] *Fosfororganicheskie veshchestva*. Moskva, Znanie, 1967 31 p. (Novoe v zhizni, nauke, tekhnike. XI Seriya: Khimiia, 3)
- KAPLAN, I. A. [Practical studies on higher mathematics] *Prakticheskie zaniatiia po vysshei matematike*. Khar'kov, Izd-vo Khar'kovskogo gos. univ.
- Pt. 4. [Double, triple, and curvilinear integrals, numerical, trigonometric, and power series] *Dvoynnye, troynnye i krivolinnyye integraly, chisl'ovye, stepennyye i trigonometricheskie iady*. 1966. 235 p.
- KARTSEV, V. P. [Ultrahigh intensity magnetic fields] *Sverkhshl'nyye magnitnyye polia*. Moskva, Znanie, 1967. 60 p. (Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika, astronomiia, 2)
- KATASEV, L. A. [Use of the photographic method in studying meteors in the atmosphere] *Issledovaniye meteorov v atmosfere Zemli fotograficheskimi metodami*. Leningrad, Gidrometeoizdat, 1966. 333 p.
- KISELEV, R. P., and M. B. EGOROV. [Using the system of network planning and management in construction, methodological instructions] *Primeneniye sistem setevogo planirovaniia i upravleniia v stroitel'stve; metodicheskie ukazaniia*. Moskva, Ekonomika.
- No. 2. 1966. 28 p. chart (insert)
- KONEV, S. V. [Electron-excited states of biopolymers] *Elektronovozbuzhdennye sostoiianiia biopolimerov*. Minsk, Nauka i tekhnika, 1965. 185 p.
- KONFERENTSIJA PO PROBLEME "VZAIMOOTNOSHENIJA VIRUSA I KLETKI." Riga, 1965. [Virus and cell; materials] *Virus i kletka; materialy*. Riga, Zinatne, 1966. 308 p.
- KORNILOV, I. I., and others. [Metallochemical properties of the elements of periodic system; monograph and reference book] *Metallokhimicheskie svoystva elementov periodicheskoi sistemy, monografiia-spravochnik*. Moskva, Nauka, 1966. 350 p. chart (insert)
- KOVALENKO, P. N., and K. N. BAGDASAROV. [Physicochemical methods of analysis; practical textbook] *Fiziko-khimicheskie metody analiza; prakticheskoe rukovodstvo*, 2, izd., ispr. i dop. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1966. 383 p.
- KRULL, MATI. [Electronic computers and programming] *Elektronarvutid ja programirovimiine*. Tallin, Valgus, 1966. 61 p. (Kosmosesajundit) [In Estonian]
- KULUKINA, L. A., and G. A. OSOSKOV. [Use of histograms in statistical modeling] *Ob ispol'zovanii gistogramm pri statisticheskom modelirovanii*. Dubna, 1967 21 p.
- LADYZHENSKAIA, O. A., V. A. SOLONNIKOV, and N. N. URAL'TSEVA. [Linear and quasi-linear parabolic equations] *Lineinye i kvazilineinye uravneniia parabolicheskogo tipa*. Moskva, Nauka, 1967. 736 p.
- LAPINA, ILGA. [Raccoon dog] *Jenotsuna*. Riga, Zinatne, 1966. 60 p. [In Latvian]
- LATVIJAS PADOMJU SOCIJALISTIKAS REPUBLIKAS ZINATNU AKADEMIJA. *Mikrobiologiskais Instituts*. [Amino acids; their importance and production possibilities] *Aminoskabe, to nozime un toveshu iespajas*. [By] M. Dekeris un citi. Riga, Zinatne, 1966. 40 p. [In Latvian]
- LAUZNE, EMILIJA. [Phages, the companions of bacteria] *Fagi - bakteriju pavadoji*. Riga, Zinatne, 1966. 46 p. [In Latvian]
- LEBEDENKO, A. G. [Lenined navigator] *Uchenyi-moroehod*. Moskva, Voenizdat, 1966. 60 p. (Gos. avremenniki) (MH)
- LEVIN, V. E. [Nuclear physics and nuclear reactors] *Jadernai fizika i jadernye reaktory*. Moskva, Atomizdat, 1966. 266 p.
- LOGUNOV, A. A., and M. A. MESTVIRSHVILI. [Small-angle scattering and a lower bound for the decreasing amplitude at large angles] *Rasselaniia na malye ugly i nizhniiia granitsa ubyvaniia amplitudy v oblasti bol'shikh uglov*. Dubna, 1967. 10 p.
- LUTFULIN, I. Z. [New methods of forecasting the meteorological fields] *Novyye metody predvychnoiia meteorologicheskikh poloi*. Leningrad, Gidrometeoizdat, 1966. 105 p.
- L'VOVSKI GOSUDARSTVENNYI MEDITSINSKII INSTITUT. [Current problems of functional anatomy of the vascular system, abstracts of reports of the scientific conference held March 25-26, 1966] *Aktual'nye problemy funktsional'noi anatomii sosudistoi sistemy; kratkie socherzaniia dokladov nauchnoi konferentsii 25-26 marta 1966 g.* L'vov, 1966. 107 p.
- MAKAROV, L. L. [Course in applied radiochemistry] *Kurs prikladnoi radiokhimii*. [Leningrad] Izd-vo Leningr. univ., 1966. 262 p.
- MALIKOV, S. F., and N. I. TIURIN. [Introduction to metrology] *Vvedeniye v metrologiu*. Izd. 2, ispr. i dop. Pod red. K. P. Shirokova. Moskva, Izd-vo Standartov, 1966. 247 p. (biblioteka metrologa)
- [MANUAL ON THE CLIMATE OF THE U.S.S.R.] *Spravochnik po klimatu SSSR*. Leningrad, Gidrometeoizdat.
- No. 28. [Tambov, Bryansk, Lipetsk, Orel, Kursk, Voronezh, and Tvergorod Province] *Tambovskaiia, Brjanskaiia, Lipetskaiia, Orlovskaiia, Kurskaiia, Voronezhskaiia i Belgorodskaiia oblasti*.
- Pt. 2. [Atmospheric and soil temperatures] *Temperatura vozdukhii i pochvy*. Red. vypuska N. M. TSvetkova. 1965. 233 p.
- No. 20. [Ivanovo, Kostroma, Kirov, Gorkiy Province, Mari, Udmurt, Chuvash, Mordvin A.S.S.R.] *Ivanovskaiia, Kostromskaiia, Kirovskaiia, Gor'kovskaiia oblasti, Mariiskaiia, Udmurtskaiia, Chuvashskaiia, Mordovskaiia ASSR*.
- Pt. 2. [Atmospheric and soil temperature] *Temperatura vozdukhii i pochvy*. Red. vypuska S. M. Agafonova. 1964. 207 p.
- [MEASUREMENT OF  $\pi$ -P-SCATTERING NEAR  $180^\circ$  IN A  $4 \div 7$  GeV/c BEAM OF  $\pi^-$  MESONS] *Izmereniye  $\pi^-$  p rasselaniia vblizi  $180^\circ$  v puchke  $\pi^-$ -mezonov s impul'sami  $4 \div 7$  GeV/c*. [By] B. A. Kulakov i dr. Dubna, 1967. 10 p.
- [MECHANISM OF TERNARY FISSION OF NUCLEI IN HEAVY ION REACTIONS] *O mekhanizme delenii iader na tri oskolka v reaktsiiakh s tiazholymi ionami*. [By] I. U. A. Muzychka i dr. Dubna, 1967. 13 p.
- MIASOEDOVA, T. G. [Laboratory work in technical analysis; a manual for teachers] *Prakticheskie zaniatiia po tekhnicheskoiu analizu; posobie dlia uchiteloi*. Moskva, Prosveshcheniye, 1963. 104 p.

- INGDAL, A.B., and V.P. KRAINOV. [Approximate methods in quantum mechanics] Priblizhennyye metody kvantovoi mekhaniki. Moskva, Nauka, 1966. 152 p.
- MINKOVSKI, V.L. [Behind the pages of a mathematics textbook, a handbook for students of the sixth grade] Za stranitsami uchebnika matematiki, posobie dlia uchashchikhsia VI klassa. Moskva, Prosveshchenie, 1966. 117 p.
- MORDASOVA, G.M., and R.L. SENKEVICH. [Problems in higher mathematics, theory of functions of complex variables and the operational calculus] Sbornik zadach po kursu vyssheii matematiki, teoriia funktsii kompleksnogo peremennogo i operatsionnoe ischisleniie. Moskva, 1966. 130 p.
- [MORPHOLOGIC AND ECOLOGIC ANALYSIS OF THE DEVELOPMENT OF FISHES] Morfo-ekologicheski analiz razvitiia ryb. Moskva, Nauka, 1967. 212 p.
- MURAVIN, K.S. [Independent tasks and test papers in algebra for the eight-year school; textbook for teachers] Samostoiatel'nye i kontrol'nye raboty po algebre dlia vos'miletnei shkoly; posobie dlia uchitel'a. Moskva, Prosveshchenie, 1965. 201 p.
- NAKHIMSON, L.M. [Programmed instruction in the field of "Elements of integral calculus"; a textbook for technical schools] Programirovannoe obuchenie po razdelu "Elementy integral'nogo ischisleniia", posobie dlia tekhnikumov. Moskva. PI. [Indefinite Integrals] Neopredelennyi integral. 1965. 40 p.
- NASILOV, D.N. [Radio meteorology] Radiometeorologiya. Izd. 2., perer. Pod red. A.Kh. Khrgiana. Moskva, Nauka, 1966. 336 p.
- NAUCHNO-TEKHNIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ПРОГРАММНОМУ НАУЧНО-ИССЛЕДОВАТЕЛСКИМ РАБОТ ЗА 1964-1965 G.G. Sektsiia matematicheskaiia. [Reports of the Mathematics Section of the Scientific and Technological Conference on the Results of Scientific Studies in 1964-1964] Doklady. Red. M.I. Vlishki, A.F. Leon'tov, E.D. Solomentsev. Moskva, Mosk. energ. in-t, 1965. 244 p.
- NIKOL'OV, A.V. [Discrete series of unitary representations of the Lie algebra of the  $O(p,q)$  group] Diskretnaia seriia unitarnykh predstavlenii algebry Li grupy  $O(p,q)$ . Dubna, 1967. 15 p.
- NORKIN, S.B., ed. [Elements of computing mathematics] Elementy vychislitel'noi matematiki. Izd. 3. [By] S.B. Norkin i dr. Moskva, Vysshiaia shkola, 1966. 205 p.
- OJLANE, HARRU. [A talk on the theory of relativity] Vestlus relativistsusteoriast. Tallinn, Valgus, 1965. 326 p. (Teaduse teedell) [In Estonian]
- OLEINIK, S.F., and P.N. BABAEVA. [Biomechanics of the heart] Biomekhanika serdtsa. L'vov, Izd-vo L'vovskogo univ., 1966. 166 p.
- PARLINSKI, K. [Dynamics of the ammonium chloride lattice] Dinamika reshetki khloridnogo ammoniia. Dubna, 1967. 17 p.
- PARLINSKI, K. [Dynamics of torsional vibrations of molecular groups in the crystal lattice] Dinamika torsionnykh kolebani molekularnykh grupp v kristallicheskoj reshetke. Dubna, 1967. 26 p.
- PAVLOVA, E.N. [Gas-discharge photon counters] Gazorazriadnyye schetchiki fotonov. [Leningrad] Izd-vo Leningr. univ., 1966. 169 p.
- PEREL'MAN, I.A. [Live mathematics; mathematical stories and puzzles] Zhivaia matematika; matematicheskie rasskazy i golovolomki. Izd. 8., perer. i dop. Pod red. i s dopolneniiami V.G. Bolianskogo. Moskva, Nauka, 1967. 159 p.
- PETERSEN, IVAR. [Planning of experiments] Kalsete planeerimine. Tallinn, Valgus, 1966. 89 p. [In Estonian]
- PETROV, O.V. [Zoogeography with the principles of zoology, a methodological manual for students of evening and correspondence courses of the geography department of state universities] Zoogeografiia s osnovami zoologii; metodicheskoe posobie dlia izucheniia kursa studentami vechernogo i zaocnogo otdeleniia geografiicheskogo fakul'teta gosudarstvennykh universitetov [Leningrad] Izd-vo Leningr. univ., 1966. 68 p.
- PLAKSIN, I.N., and L.P. STARCHIK. [Nuclear physics methods for analyzing materials; nuclear reactions and activation analysis] Yaderno-fizicheskie metody kontroliia veshchestvennogo sostava, iadernyye reaktsii i aktivatsionnyi analiz. Moskva, Nauka, 1966. 201 p.
- PORAI-KOSHITS, M.A., and E.A. GILINSKAIA. [Crystal chemistry, advances in the crystal chemistry of complex compounds] Kristallokhimii, uspekhi kristallokhimii kompleksnykh soedinenii. Moskva, Akad. nauk SSSR, 1966. 211 p. (Rugi nauki. Seriya: Khimii)
- PROKHOROV, A.I. [Engineer learns from nature] Inzhener uchitsia u prirody. Moskva, Znanie, 1967. 124 p. (Narodnyi universitet: Estestvennonauchnyi fakul'tet, 12)
- PUSTOVALOV, G.E., and E.V. TALALAEVA. [Simple physical measurements and their adjustment] Prostoiye fizicheskie izmereniia i ikh obrabotka. [Moskva] Izd-vo Mosk. univ., 1967. 154 p.
- RUBINShteIN, E.S., and L.G. POLOZOVA. [Recent changes of climate] Sovremennoe izmenenie klimata. Leningrad, Gidrometeoizdat, 1966. 200 p. maps (inset)
- SAMVELIAN, K.V. [Insect "patents"] "Patenty" nasekomykh. Moskva, Ob-vo "Znanie" RSFSR, 1965. 20 p. (Lektoru o biologii)
- SAULIYAK-SAVYTS'KA, M.M. [Human anatomy] Anatomiiia ludyny Kyiv, Rad shkola, 1966. 322 p.
- SCHIFF, LEONARD ISAAC. [Quantum mechanics. Translated from the English] Kvantovaya mekhanika. Moskva, Izd-vo inostr. lit-ry, 1957. 475 p. (PU-EI)
- [SEARCH FOR A NUCLEON BOAR AT  $T = 5/2$  IN np-INTERACTIONS] Poisk nukleonoi izotary s  $T = 5/2$  v np vzaimodeistviikh. [By] V.F. Vlashevskii i dr. Dubna, 1967. 5 p.
- SEDOV, E.A. [A report from no-man's land; talks on information] Reportazh s nuchnoi zemli; rasskazy ob informatsii. Izd. 2. [Moskva] Molodaia gvardiia, 1966. 303 p. (Evrika)
- SIMPOZIUM, POSVYASHCHENNYI IZUCHENIU KISLO-RODNOGO REZHIIMA ORGANIZMA I EGO REGULIROVANIYA. Kievo, 1965. [Oxygen balance of the organism and its regulation; materials] Kislородnyi rezhim organizma i ego regulirovaniye; materialy. Kiev, Naukova dumka, 1966. 400 p.
- SMIRNOV, V.M. [Snowman from the Khibiny Mountains] Snezhnyi chelovek iz Khibin. Leningrad, Gidrometeor. izd-vo, 1966. 147 p.
- SRANKA, R. [Probability and information] Varubliiba uninformacija. Riga, Zinatne, 1966. 46 p. [In Latvian]
- [STUDY OF  $(e^+e^-)$  PAIR PRODUCTION BY ELECTRONS WITH  $E = 2.4$  GEV] Issledovanie obrazovaniia  $(e^+e^-)$ -par elektronami s energiei  $E = 2,4$  GeV. [By] I.A. Barm i dr. Dubna, 1967. 25 p.
- SUDAKOV, K.V. [Secrets of instinct, biological motivation of innate behavior] Tainy instinkta; biologicheskie motivy vrozhdennogo povedeniia. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya, no. 2)
- TABAKA, LAIMA, and KORNELIJA BIRKMANE. [Botanical excursion to a pond bog] Botaniska ekskursija uz eunu purvu. Riga, Zinatne, 1966. 48 p. (Skolena biblioteka) [In Latvian]
- TAKHTADZHIAN, A.L. [Systematics and phylogeny of flowering plants] Sistema i filogeniia tsvetkovykh rastenii. Moskva, Nauka, 1966. 610 p.
- TEMNIKOVA, T.I. [Modern theory of the structure of organic compounds] Sovremennaiia teoriia stroeniia organicheskikh soedinenii. [Leningrad] Izd-vo Leningr. univ., 1966. 23 p. (Khimiiia v vuzakh, no. 3)
- TIKHA, BORIS. [Use of a theorem on kinetic energy in the dynamics of a system] Kineticheskaia teoriia teorema susteinyi dinamiki. Tallinn, Tallinna Politehniline institut, 1965. 36 p. [In Estonian]
- TOKIN, B.P. [General embryology] Obshchaya embriologiya. [Leningrad] Izd-vo Leningr. univ., 1966. 454 p.
- TSLAF, L.A. [Calculus of variations and integral equations, reference book] Variatsionnoe ischisleniie i integral'nye uravneniia; spravochnoe rukovodstvo. Moskva, Nauka, 1966. 178 p.
- USPENSKI, V.A. [Pascal's triangle] Treugol'nik Paskalia. Moskva, Nauka, 1966. 31 p. (Popularnye lektsii po matematike, no. 43)
- VINOGRADOV, B.V. [Aerial methods of studying vegetation in arid zones] Aerometody izucheniia rastitel'nosti aridnykh zon. Moskva, Nauka, 1966. 360 p.
- VOIKOV, M.K. [Four-dimensional unitary relativistic model in quantum field theory without divergences] Chetyrekhmernaiia unitarnaiia relativistskaia model' kvantovoi teorii polia bez raskhodimosti. Dubna, 1967. 17 p.
- VSESOIUZNAIA KONFERENTSIIA PO KARBIDU KREMNIIA, Kiev, 1964. [Silicon carbide; structure, properties and use. Reports] Karbid kremnia; stroenie, svoystva i oblasti primeneniia. [Doklady] Kiev, Naukova dumka, 1966. 359 p.
- VSESOIUZNOE SOVESHCHANIE PO MORSKOI METEOROLOGII, Leningrad, 1964. [Transactions of the All-Union Conference on Marine Meteorology] Trudy. Pod red. N.V. Kucherova. Leningrad, Gidrometeoizdat, 1966. 119 p.
- ZADEL, A.N. [Elementary estimates of measurement errors] Elementarnyye otsenki oshibok izmerenii. Izd. 2., ispr. i dop. Leningrad, Nauka, 1967. 87 p.
- ZAITSEV, I.L. [Course of higher mathematics for technical schools] Kurs vyssheii matematiki dlia tekhnikumov. Pod red. G.S. Baranokova. Izd. 4., stereotipnoe. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961. 372 p. (VIU)
- ZAITSEV, V.V., V.V. RYZHIKOV, and M.I. SKANAVI. [Elementary mathematics, refresher course] Elementarnaiia matematika; povtoritel'nyi kurs. Moskva, Nauka, 1967. 332 p.
- ZASLAVSKI, A.N., and V. TYBOR. [Meson - baryon scattering and the  $\bar{B}U(0)$  group] Mezon-barionnoe rasseyaniie i  $\bar{B}U(0)$ . Dubna, 1967. 17 p.
- ZASTAVENKO, L.G. [Algorithm making it possible to find the eigenfunctions and eigenvalues of the energy operator for some variants of quantum field theory] Algoritmi, pozvoliaushchii naiti sobstvennyye funktsii i sobstvennyye znacheniia operatora energii dlia nekotorykh variantov teorii polia. Dubna, 1967. 9 p.
- ZASTAVENKO, L.G. [Quantum theory of a scalar neutral field with  $g^2$  self-action in the case of one spatial degree of freedom] K kvantovoi teorii skal'nogo neutral'nogo polia s samodeistviem  $g^2$  v sluchae odnoi prostanstvennoi stepeni svobody. Dubna, 1967. 9 p.
- ZEVAKINA, R.A., E.V. LAVROVA, and L.N. LIAKHOVA. [Principles of short-range prediction of ionospheric geomagnetic storms and radio-propagation forecasting service; a manual] Osnovy prognozirovaniia ionosferno-magnitnykh voznushchenii i sluzhba kratkosrochnykh radioprognozov; rukovodstvo. Otv. red. L.N. Liakhova. Moskva, Nauka, 1967. 72 p.

# 14. MEDICINE

- DANSICHKOV, V.M., V.S. GUS'KOV, and I.F. MIAGKOV. [Medical psychology] Meditsinskaiia psikhologiya. Moskva, Meditsina, 1967. 238 p. (DNLM)
- BELTSIKOV, J. [Urological diseases, their prevention and treatment] Urologicheskie haiguesi, nende vaitimine ja ravi. Tallinn, Valgus, 1966. 51 p. (Teadus ja torvita) [In Estonian] (DNLM)
- [BURN DISEASE; pathogenesis, clinical aspects and treatment] Ozhogovnaia bolezni; patogenezi, klinika i lecheniie. Kiev, Zdorov'ia, 1966. 244 p. (DNLM)
- [CARDIOVASCULAR PATHOLOGY] Serdechno-sosudistaiia patologiia. Kiev, Zdorov'ia, 1966. 456 p. (DNLM)
- CHUKHRIENKO, D.P. [Bronchoscopy in the diagnosis and treatment of pulmonary diseases] Bronkhioskopiia v diagnostike i lechenii zabolevanii legkikh. Kiev, Zdorov'ia, 1966. 121 p. (DNLM)



[DISEASES OF THE CARDIOVASCULAR AND NERVOUS SYSTEMS AND METABOLIC DISEASES, papers by doctors and consultants of therapeutic and prophylactic institutions of the Administrative Office of the Academy of Sciences of the U.S.S.R.] Zabolovaniia serdtsno-sosudistoi, neryvnoi sistemy i bolezni obmena veshchestv, zabolyvashchii konsultantov lechenno-profilakticheskikh uchrezhdenii upravleniya detami AN SSSR. Moskva, Nauka, 1966. 298 p. (DNLM)

ELBERT, B.A., ed. [Microbiology of the major infectious diseases in man] Mikrobiologiya vyznaishchikh infektsoznykh boleznei cheloveka. Minsk, Belarus', 1965. 421 p. (DNLM)

GOLDENBERG, M.JU. [Ozonetic and its therapeutic properties] Ozon i ego lechennye svoystva. Kiev, Zdorov'ia, 1965. 17 p. (DNLM)

GROM, G.I. [Diabetes mellitus in children] Sakharnyi diabet u detei. Moskva, Meditsina, 1965. 54 p. (Nauchno-populnnaia meditsinskaiia literatura) (DNLM)

IANIN, L.V., ed. [Collection of the most important materials on problems of industrial hygiene and sanitation] Sbornik vazhnishchikh ofitsial'nykh materialov po voprosam gigieny truda i promyshlennoi sanitarii. Moskva, Meditsina. No. 4. Klimova, T. Kh., D.N. Lomanskii, and Z.V. Iankovskaya, comp. 1966. 311 p.

JACKIEWICZ, ELZBIETA. [What every girl desires to know. Translated from Polish] O chem khoroch znat' kazhdaiia devushka. Moskva, Meditsina, 1966. 30 p. (Nauchno-populnnaia meditsinskaiia literatura) (DNLM)

KANTOROVICH, N.V. [Sketches on mental health and mental disorders] Ocherki o zdorovoi i bolnoi psikhike. Izd. 2., dopolnen. Tashkent, Meditsina, 1966. 163 p. (DNLM)

KASK, MIKKEL, and ANDREI SARAP. [Achievements in public health in the Estonian S.S.R.] Teivishoiu saavutusi Eesti NSV-s. Tallinn, Eesti Raamat, 1966. 65 p. [In Estonian] (DNLM)

KHOROZHAVIN, N.G. [Therapeutic waters of Ust'-Kachka] Lechennye vody Ust'-Kachki. Izd. 2., dop. [Perm.] Permskoe knizhnoe izd-vo, 1966. 138 p. (DNLM)

KRECHIKOVSKII, L.A. [Manual on poisonous chemicals, concise characteristics of poisonous chemicals, prophylaxis of the poisoning by them, and medical aid] Spravochnik po iadokhimikatum, kratkaia kliniko-terapii iadokhimikato, i ekonomdatst po profilaktike otravlenii i meditsinskoi pomoshchi. Kiev, Zdorov'ia, 1966. 115 p. (V pomoshch' rabotaiiam sel'skogo zdravoohraneniia) (DNLM)

LAZDINA, MAIGA. [Most widespread helminthiasis in men] Izplatitakas cilvēku helmintiozes. Riga, Zinatne, 1966. 92 p. [In Latvian] (DNLM)

LEVIN, V.M. [Materials for the control and evaluation of the physical state of adolescents] Materialy dlia kontroli i otsenki fizicheskogo sostoiianiia podrostkov. [Leningrad] Meditsina, 1966. 136 p. (DNLM)

[MATERIALS ON THE PHYSICAL DEVELOPMENT OF CHILDREN AND ADOLESCENTS OF THE CITIES AND RURAL AREAS OF THE U.S.S.R.] Materialy po fizicheskomu razvitiu detei i podrostkov gorodov i sel'skikh mestnostei SSSR. Pod red. A.I.A. Gol'dfeld, A.M. Merkova, A.G. Tsotina. [Leningrad] Meditsina, No. 2, 1965. 665 p.

MEL'NIKOV, N.I., and Z.N. MEL'NIKOVA. [Antibiotics in the treatment of suppurative infections] Antibiotiki v terapii gnoynykh infektsii. Moskva, Meditsina, 1966. 254 p. (DNLM)

NAUCHNO-PRAKTIЧЕСКАЯ КОНФЕРЕНЦИЯ ПО ПРОБЛЕМЕ ЭНДЕМИЧЕСКОГО ЗОБА И МИКРОЭЛЕМЕНТОВ, 1st, 1964. [Materials of the First Scientific and Practical Conference on the Problem of Endemic Goiter and Trace Elements] Materialy. Kazan', Kazanskii med. in-t, 1964. 239 p.

[ORTHOPEDICS, pathology of the joints] Ortopediia, pitologiia sustavoi. Kiev, Zdorov'ia, 1966. 202 p. (DNLM)

RASULEV, I.N. [Pathomorphology of the endocrine glands in tuberculosis] Patomorfologia endokrinnykh zhalez pri tuberkuloze. Pod red. R.I. Dimilovoi. Tashkent, Meditsina, 1966. 105 p. (DNLM)

RATSEP, VAINO. [Chronic stomach diseases] Kroonilised maohäigused. Tallinn, Valgus, 1966. 48 p. [In Estonian] (DNLM)

ROIGAS, FLMAR. [Venereal diseases and their prevention] Suguhälgused ja nende vältimine. Tallinn, Valgus, 1966. 63 p. (Tradus ja tervis) [In Estonian] (DNLM)

ROMASENKO, V.A. [Hypertoxic schizophrenia, clinical and morphological studies] Gipertoksicheskaia shizofreniia, kliniko-morfologicheskie issledovaniia. Moskva, Meditsina, 1967. 238 p. (DNLM)

RYBASOV, V.A. [Self-help and mutual aid in foci of mass lesions] Samopomoshchi i vspomogomoshchi v uchagakh massovogo parazheniia. Moskva, Meditsina, 1964. 44 p. (DNLM)

SKULME, K., ed. [Handbook of therapeutic nutrition] Arstnieciskā uztura rokasgrāmata. 2., papildotais un papildinātais izdevums. Riga, Zvaigzne, 1966. 269 p. [In Latvian] (DNLM)

SLOBODIANIK, A.P. [Psychotherapy, suggestion, hypnosis] Psihhoterapiia, vnuushenie, gipnoz. Izd. 2., ispr. i dop. Kiev, Zdorov'ia, 1966. 402 p. (DNLM)

SOSARS, V. [Diseases of the foot] Pedis slimības. 2., pastatitais izdevums. Riga, Liesma, 1965. 65 p. (Veselības bibliotēka) [In Latvian] (DNLM)

STEPASHKINA, K.I., and B.N. MOSHIKOV. [Therapeutic diet at home] Lechennoe pitanie v domashnikh usloviakh. 2. ispr. Izd. Kiev, Zdorov'ia, 1967. 223 p. (DNLM)

SIMPOZIUM "OBRAZ ZHIZNI I STARENIE CHLOVEKA," Kiev, 1964. [Way of living and aging in man, materials] Obraz zhizni i starenie cheloveka, materialy. Kiev, Zdorov'ia, 1966. 276 p.

SUI, VIRVE. [What we must know about medicines] Mida peab teadma ravimist. Tallinn, Valgus, 1966. 41 p. (Teadus ja tervis) [In Estonian] (DNLM)

[TRAUMATOLOGY] Travmatologiya. Kiev, Zdorov'ia, 1966. 223 p. (DNLM)

VSESOIUZNYI S'VEZD NEVROPATOLOGOV I PSIKHIATROV, 4th, Moscow, 1963. [Translations of the 4th All-Union Congress of Neuropathologists and Psychiatrists] Tруды. Moskva, Vses. nauch.med. ob-vo nevropatologov i psikiatrov. Vol. 6. [Infectious diseases of the brain] Infektsionnye zabolovaniia golovnogo mozga. Pod red. V.V. Mikheeva i D.D. Fedotova. 1965. 374 p. (DNLM)

[WORK AND A HEALTHY WAY OF LIFE] O trude i zdorovom lyte. [Moskva] Profizdat, 1965. 109 p.

ZHUKOVSKII, M.A. [Growing organism and hormones] Rastushchii organizm i gormony. Moskva, Znanie, 1967. 31 p. (Narodnyi universitet. Fakul'tet zdorov'ia, no. 4)

## 15. AGRICULTURE

[AGRICULTURAL ENCYCLOPEDIA] Laukasaimniecibas enciklopedija. Riga, Liesma, [In Latvian] Vol. 2. Ecesana—Latvijas Lauksaimniecibas akademiija. 1966. 628 p.

AKADEMIIA NAUK SSSR. Institut geografii. [Micromorphological method of studying the genesis of soils] Mikromorfologicheski metod v issledovanii genezisa pochvy. Moskva, Nedra, 1966. 170 p.

AKADEMIIA NAUK SSSR. Sibirskoe otdelenie Institut lesa i drevessiny. [Forests of the U.S.S.R. in the volumes] Lesa SSSR v plati tomakh. Moskva, Nauka. Vol. 3. [Forests of the south of the European part of the U.S.S.R. and Transcaucasia] Tsentral'naia Evropeiskoi chasti SSSR i Zakavkaz'ia. 1966. 461 p. (DNAL)

AKADEMIIA NAUK URSR. [Parasites and parasites of man and animals] Parazity i parazitnoye cheloveka i zhivotnykh. Kiev, Naukova dumka, 1965. 111 p. (Respublikanskiy mezhdovedstvennyi sbornik. Seriya "Problemy parazitologii") (DNAL)

BELARUSSKAYA AKADEMIIA SEL'SKAI NASTAVNIKI. [White Russian Academy of Agriculture, devoted to the order of the Labor Red Banner, an outline of its history for 125 years] Belorusskaya akademiia sel'skoi i zhivotnovodstva. Minsk, Urozhai, 1965. 210 p. illus., tables. (CU)

BOGDANOV, A.G. [Helminthiasis in sheep and its control for their control] Gel'mintiozy ovets i mekhi v kontroli i nime. Ulan-Ude, Buriat'skoe knizhnoe izd-vo, 1965. 113 p. (DNAL)

BREZHNEV, D.D., ed. [Using heterosis in vegetable breeding] Ispol'zovanie geterozisa v ovoshchevodstve. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1964. 312 p. (CU)

CHEKASKII, E.S. [Modern means and methods for controlling scab disease in sheep] Sovremennye sredstva i metody bor'by s chesotkami ovets. Moskva, Kolos, 1966. 199 p. (Biblioteka prakticheskogo veterinarnogo vracha) (DNAL)

CINOVSKIS, J., A. CIBULSKA, and M. SILOVA. [Colorado beetle on Colorado beetle] Kartupeļu lapu kaitētājs Koloida vabole. Riga, Zinatne, 1966. 40 p. [In Latvian] (DNAL)

[CULTIVATION PRACTICES, BREEDING AND SEED PRODUCTION OF RICE IN JAPAN, report of the Soviet agricultural delegation] Agrotehnika, selektsiya i semenovodstvo risa v Japonii, uchast sovetskoi sel'skokhoziaistvennoi delegatsii. Moskva, 1965. 384 p. (Sel'skokhoziaistvennaya nauka i praktika za rubezhom, 13) (DNAL)

DEMIKHOVSKII, A.I., and A.M. KOZHARSKII. [How to prepare and place compost] Kak my gotovim i razmashiv komposty. [Moskva] Mosk. rabochii, 1967. 53 p.

FIDRIGEVICH, E.V., and V.V. RAEVSKAYA. [Physiological features of farm animals] Inter'es sel'skokhoziaistvennykh zhivotnykh. Moskva, Kolos, 1966. 201 p. (DNAL)

ELISEEV, A.I., and M.KH. KEBEDOV. [Renovated farms] Obnovlennyye formy. Moskva, Znanie, 1967. 103 p. (Narodnyi universitet. Sel'skokhoziaistvennyi fakul'tet, 1)

[FISHERY ON COLLECTIVE AND STATE FARMS] Zivkopiba kolhozov na padomju samstaitel'nosti, Riga, Liesma, 1966. 198 p. [In Latvian]

GOLODKOVSKII, V.L. [Systematics of corn, Zea mays L., origin, geographical distribution, classification, and description of varieties] Sistematika kukuruzy, Zea mays L.; proiskhozhdenie, geograficheskoe rasprostraneniye, sistematika i opisaniye sortov. Tashkent, Fan, 1966. 188 p. (DNAL)

GORLENKO, M.V. [Bacterial diseases of plants, fundamentals of the theory of bacteriology] Bakterialnye bolezni rastenii; osnovy ucheniia o bakteriozakh rastenii. 3. ispr. i dop. izd. [Moskva, Vysshniaia shkola, 1966] 291 p. (DNAL)

INDRIKSONS, E. [Practical exercises in vegetable gardening] Darzenkopiba praktiskie darbi. M. Serzanas redakcija. Riga, Zvaigzne, 1966. 497 p. [In Latvian] (DNAL)

JAAMA, K., and H. KEES. [Fattening of sheep] Lammaso nuumamine. Tallinn, Eesti NSV Polikultuuride ja Muuseumide Teaduslik-Tehniline Informatsiooniline Buroo, 1966. 49 p. [In Estonian] (DNAL)

JÜRSSON, ENDEL. [Veterinary pharmacology] Veterinaar-farmakoloogia. Tallinn, Valgus, 1968. 368 p. [In Estonian] (DNAL)

KOVALEV, P. A., and A. A. SHEVELEVA. [Egg production and breeding of mulberry silkworms] Glennzhi i selektsia tutovogo shchekopladu. Tashkent, Uchitel', 1966. 190 p. (DNAL)

KOZUBENKO, V. O. [New achievements in the hybridization of corn] Nove u gibrizatsii kukurudzy. Vyd. 2, zmineni i dop. Kyiv, Urozhai, 1965. 71 p. illus. (DNAL)

KRYTSKI, I. [Mineral fertilizers and peat bogs] Mineral'nyy udubeni i tuflandki. Minsk, Vudzhai, 1965. 38 p. (Kompleksnuyu mekhanizatsiyu na pal'i i feimy) (DNAL)

KUKHAR', I. I., and others. [Fish farm] Rybovodnaya ferma. Moskva, Kolos, 1968. 77 p. (MICROFILM)

KUZ'NICHIEV, A. B. [Fisheries in northwestern Atlantic, a review] Rybolovstvo v Severo-Zapadnoi Atlantike, obzori. Moskva, VNIRO, 1965. 41 p. (MICROFILM)

LATVIJAS LAUKSAIMNIECIBAS MECHANIZACIJAS UN ELEKTRIFIKACIJAS ZINATNISKAIS PETNIECIBAS INSTITUTS. [New machinery for hay storage] Jaunu tehnologiju silena saglabasana i ilgai, Latvijas lauksaimniecibas zinatniski tehniskas info mactijas un propagandas centrals birojs, 1966. 35 p. [In Latvian] (DNAL)

[LEADERSHIP, experiences of leading state and collective farms in promoting production in the Estonian S.S.R.] Juhtimise kaetijast; Eesti NSV eesriidlike sovhoside ja kolhooside kogemusi tootmistegemise organisierimisel. Tallinn, Valgus, 1966. 117 p. [In Estonian] (DNAL)

Leningradskii Nauchno-Issledovatel'skii Institut Lesnogo Khoziaistva. [Recommendations for prolonged and short-term tapping of pine stands using a new technology] Rekomendatsii po udlinennoi i priakosvotnoi podsochke sosnovykh nasazhdenii s primeneniem novoi tekhnologii. Leningrad, 1966. 17 p. (DNAL)

MAL'KOV, A. S., and A. S. POLONSKII. [Fisheries off the shores of Western Europe] Rybolovstvo u beregov Zapadnoi Evropy. Kaliningrad, AtlantNRO, 1965. 83 p. (MICROFILM)

MAMAEV, G. M. [Distribution and specialization of agriculture in piedmont areas, based on the example of the Kuba-Khachnas zone of the Azerbaijan S.S.R.] Dagest'i rajonada kavit tesarufatynya terjeshdrilimesi ve ikhtisatlashdyrylmaasy; Azerbajchan SSR Kuba-Khachnaz zonasy timsalyndu. Baky, Azerneshr, 1965. 134 p. [In Azerbaijani]

MECHANIZATION OF LIVESTOCK FARMS, manual for machine operators on collective and state farms] Mekhanizatsiya zhivotnovodcheskikh farm; posobie dlia mekhanikov kolhozov i sovkhovov. [By] E. M. Bulanov i dr. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 271 p. (DNAL)

NAUCHNO-ISSLEDOVATEL'SKII INSTITUT MEKHA-NIZATSII I ELEKTRIFIKATSII SEL'SKOGO KHOZIAISTVA SEVERO-ZAPADA. [Technology and system of machines for the overall mechanization and electrification of agriculture in the northwestern zone] Tekhnologiya i sistema mashin dlia kompleksnoi mekhanizatsii i elektrifikatsii sel'skogo khoziaistva Severo-zapadnoi zony. Leningrad, Kolos, 1965. 270 p. (Its Nauchnye trudy) (DNAL)

VIKIFOROV, A. M. [Chemical substances for the control of pests, plant diseases and weeds] Khimicheskie sredstva bor'by s vrediteliami, bolezniami rastenii i sorntakami, kraikil spravochnik. Moskva, Kolos, 1966. 143 p. (DNAL)

ITZHARADZE, A. I. [Atlas of varieties of the subtropical persimmon] Atlas sortov subtropicheskoi khurmy. [Tbilisi, Subchota sakartvelo, 1965] 90 p. [In Georgian and Russian] (CU)

OZOLS, A. [Overall determination of the nutritive value of feeds] Vispushta lopbaribas baribas vertibas notckuma, Riga, Zinatne, 1966. 61 p. [In Latvian] (DNAL)

PAJUPUU, HERBERT. [Efficiency of the production and use of peat fertilizers in the Estonian S.S.R.] Turvasvastiste tootmiste ja kasutamise majanduskust efektiivsusel Eesti NSV-s. Tallinn, Valgus, 1966. 88 p. [In Estonian] (DNAL)

PANNIKOV, V. C. [Knowledge of soil and plant requirements as the basis of the efficient use of fertilizers, iron practices in agriculture of the German Democratic Republic] Znanie pochvy i potrebnosti rastenii osnovu ratsional'nogo primeneniia udobrenii, iz opyta sel'skogo khoziaistva GDR. Moskva, 1966. 65 p. (Sel'skokhoziaistvennaya nauka i praktika za rubezhom, 14) (DNAL)

PILVISTU, KARL. [Experience in apple growing on the Sootaga State Farm] Ounakasvatuse kogemusi Sootaga sovhoosis. Tallinn, Valgus, 1966. 34 p. [In Estonian] (DNAL)

POMMERS, P. [Cultivated pastures] Kultivetas ganības. Riga, Liesma, 1966. 315 p. [In Latvian] (DNAL)

POZHAR, Z. I. [Virus diseases of sugar beets in Czechoslovakia (diagnosis and controlling methods), report of the Soviet agricultural delegation] Virusnye bolezni sakharnoi svekly v CHSSR (diagnostika i metody bor'by); otchet sovetskoi sel'skokhoziaistvennoi delegatsii. Moskva, 1966. 20 p. (Sel'skokhoziaistvennaya nauka i praktika za rubezhom, no. 9(46)) (DNAL)

[PRACTICE IN INTRODUCING "DRUZHBA" GASOLINE-MOTOR DRIVEN SAWS IN LUMBERING WORK] Opyt vvedeniia na lesozagotovkakh benzomotornykh pil "Druzha." [Leningrad] Movo lenoi promyshlennosti RSFSR. Tsentral'noe biuro tekhn. informatsii [1957] 33 p. (OrCS)

RAEV, B. G., and A. V. VAHTANIANTS. [Mechanized pinching back of cotton] Mekhanizirovannaya chekanka khlopkhalnika. Tashkent, "Uzbekistan," 1966. 41 p. (DNAL)

RUSSI, NEEME, and JAAN LILPAJÖE. [Practical exercises in plant breeding and seed production] Sündinatus ja seemnekasvatuse praktikum. Tallinn, Valgus, 1966. 253 p. [In Estonian] (DNAL)

RUSSIA (U.S.S.R.) Glavnoe upravlenie gidrometeorologicheskoi sluzhby. Kamchatskoe upravlenie. [Provide agriculture in Kamchatka with a hydrometeorological service] Gidrometeorozhizba - sel'skomu khoziaistvu Kamchatki. Pehropavlovsk-Kamchatskii, Knizhnyda red. "Kamchatskoi pravy," 1963. 72 p. (DNAL)

SABANEV, L. P. [Life and catching of freshwater fish. With a supplement of L. P. Sabanev's "Fishing calendar" Zhizn' i lovliia presnovodnykh ryb. S prilozheniem "Rybolovnoy kalendaria"] L. P. Sabanev. 3 izd. Kiev, Urozhai, 1965. 667 p.

[SAFETY MANUAL IN STORING, TRANSPORTING, AND USING POISONOUS CHEMICALS] Pamiatka po tekhnike bezopasnosti pri khaenii, transportirovke i primenenii iadokhimikatov. Moskva, Rosel'khozizdat, 1965. 58 p. (Pamiatka po tekhnike bezopasnosti v sel'skom khoziaistve) (DNAL)

SLOEV, L. N. [Hydraulic structures for agriculture in central Yakutia] Gidrotokhicheskie sooruzheniia dlia sel'skogo khoziaistva Tsentral'noi Iakutii. Iakutsk, Iakutskoe knizhnoe izd-vo, 1963. 52 p.

TILGA, VOLDEMAR. [Communicable diseases of swine] Signde nakkusidgusek. Tallinn, Eesti Raamat, 1965. 235 p. [In Estonian]

UMAROV, A. A. [Advanced practices of Bulgarian vegetable growers] Peredovoi opyt bulgarskikh ovoshchevodov. Tashkent, "Uzbekistan," 1966. 57 p. (DNAL)

VOLEKOVICH, S. I. [Development of the production of mineral fertilizers] Progress proizvodstva mineral'nykh udobrenii. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike. V Serii. Sel'skoe khoziaistvo, 2)

VOIKOV, V. I. A., K. K. LUTSFENKO, and K. S. RAKHMANOV. [Growing cabbage, tomato, and cucumber seedlings] Vyashchivanie rasedy kapusty, pomidorov i ogurtsov. Tashkent, "Uzbekistan," 1966. 57 p. (DNAL)

VOROB'EV, G. I. [Economics and organization of grain production] Ekonomika i organizatsiya proizvodstva zerna. Moskva, Kolos, 1965. 249 p.

VOROPANOV, P. V. [Lectures on forest evaluation] Lektsii po lesnoi tsenitsii. Briansk, Brianskii tekhnologicheskii in-t. Pt. 3. [Evaluation of forests] Tsensatsiya massiva. Book 2. 1965. 473 p. (DNAL)

VSESIOUZYNI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT ZHIVOTNOVODSTVA. [Using vitamins for raising the productivity of animal husbandry] Ispol'zovanie vitaminov dlia povysheniia produktivnosti zhivotnovodstva. Moskva, 1966. 162 p. (DNAL)

## 16. TECHNOLOGY

ABALAKOV, B. V., V. P. BANNIK, and B. I. REZNIKOV. [Installing and adjusting steam-turbine units and auxiliary equipment] Montazh i nastroika turboagatov i vopomogatel'nogo oborudovaniia. Moskva, Energiia, 1966. 319 p.

ABDURAZAKOV, A. A., and M. A. BEZHORODOV. [Medieval glass of Central Asia, chemical characteristics] Srednevekovyye stekla Srednei Azii; opyt khimicheskoi kharakteristiki. Tashkent, Fan, 1966. 166 p.

ABRAMOV, G. A., and A. I. KOSILOV. [Maintenance system for tractors, motor vehicles and agricultural machinery] Sistema tekhnicheskogo obsluzhivaniia traktorov, avtomobilov i sel'skokhoziaistvennykh mashin. Vornelzi, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1966. 22 p. (Peredovoi opyt v sel'skom khoziaistve) (MICROFILM)

ATANAS'EV, A. S. [Safety manual for an erector of overhead contact and cable systems for streetcars and trolleybuses] Pamiatka po tekhnike bezopasnosti montazu kontaktnoi i kabel'noi artet tramvaii i trol'zebosa. Moskva, Stroizdat, 1965. 61 p. (Tekhnika bezopasnosti v kommunal'nom khoziaistve)

AGUR, USTUS. [Men and automata] Immesed ja automaani. Tallinn, Valgus, 1966. 162 p. [In Estonian]

AKHMETZHANOV, A. A. [Angular position transmitting systems with increased accuracy] Sistemy peredachi ugla povyshennoi tochnosti. Moskva, Energiia, 1966. 271 p.

ALENT'EV, O. O., and V. M. IROSHIEVA. [Structural ceramics] Konstruktsiia keramika. Kyiv, Tekhnika, 1966. 71 p.

ALIMOV, E. V., and A. A. BRECHKO. [Heat insulating sleeves for wires on steel castings] Teploizolatsionnye obil'sovki pribyeli stal'nykh otkov. Leningrad, 1966. 10 p. (Leningradskii dom nauchno-tekhnicheskoi prompady Proizvodstvennyi opyt. Seriya: Proektirovaniie formobrazovaniie)

AL'PEROVICH, A. I. [Safety manual for erectors of construction tower cranes] Pamiatka po tekhnike bezopasnosti dlia montazhnika stroitel'nykh bashennykh kranov. Izd. 3, peier i dop. Moskva, Stroizdat, 1966. 46 p. (Tekhnika bezopasnosti v stroitel'stve)

ANTILOF'EV, B. A., and G. D. MIKHAILOV. [Using synthetic materials in track construction; textbook for correspondence courses for raising qualifications of engineering and technical workers] Primenenie iskusstvennykh materialov v putovom khoziaistve; uchebnoe posobie dlia zaochnykh kursov povysheniia kvalifikatsii ITR. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 67 p. (MICROFILM)

ANISIMOV, N. G., and A. N. SMIRNOV. [Experience in the construction of remote control lines and installation of automatic control systems] Opyt shodit'stva liniu telomeidanki i montazha sredstv avtomatiki. Ufa, Bashkirskoe knizhnoe izd-vo, 1965. 140 p.

ANKHIMUK, V. L., and O. P. IL'IN. [Designing of automated electric drive systems with amplifiers] Raschet sistem avtomatizirovannogo elektropivoda s elektromashinnyimi usiliteliami. Minsk, Vyshehnaya shkola, 1966. 232 p.

- ANVELT, JAAN. [Organization of maintenance and repair of automobiles at the Tallinn taxicab center] Tallinna Taksiautopargi hooldamisel autode tehnilise hooldamise ja remondi organisatsioonid. Tallinn, Valgus, 1966. 32 p. [In Estonian]
- AVDONIN, I. I., and G. B. KLER. [Pickup attachments for sweeper cleaning machinery] Podbornye ustroystva podmetal'no-uborochnykh mashin. Moskva, NIImformatsii stroiteldokommunamash, 1965. 20 p. (Seria 3: Mashiny i oborudovanie dlia kommunalnogo khoziaistva)
- BABUK, V. B., I. M. STORCHAK, and P. O. CHERNENKO. [Pneumatic tools of a repairman-mechanizer] Pnevmo-instrument remonitnika-mekhanizatora. Kiyv, Uizohat, 1966. 132 p. (Ukrainian)
- BALAKIN, V. I., A. F. EREMEEV, and B. N. SEMENOV. [Fuel equipment of high-speed diesel engines] Toplivaia apparatura bystrokhodnykh dizelov. Leningrad, Mashinostroenie, 1967. 298 p.
- BALASHOV, G. M., and N. G. IVLEV. [Protecting the labor of rural builders] Okhrana truda sel'skikh stroitel'ev. Moskva, Stroizdat, 1966. 163 p.
- BALODIS, A. [Preserving vegetables and fruit for winter] Darzena un augu sagatavosana ziemai. Riga, Liesma, 1966. 170 p. [In Latvian]
- BARBANEL, S. R. [Magnetic phonogram of a million-pictur film] Magnitnaia fonogramma kinofil'ma. Moskva, Iskusstvo, 1966. 101 p. (Biblioteka kinomekhanika)
- BARON, L. I., and A. V. KLIUCHNIKOV. [Smooth blasting in mining operations] Konturnoe vzryvanie pri prokhodke vyrabotok. Leningrad, Nauka, 1967. 202 p.
- BARSUKOV, I. U. K. [Pulse circuits using semiconductor devices; manual for correspondence students] Impul'snye skhemy na poluprovodnikovykh priborakh; uchebnoe posobie dlia studentov-zaochnikov. Leningrad, Leningr. elektrotekh. in-t, 1966. 91 p.
- BATURIN, T. F. [Modern designs of plow units of urban snow removers] Sovremennye konstruktivnye pluzhnykh rabochnykh organov gorodskikh snegochistitelei. Moskva, NIImformatsii stroiteldokommunamash, 1965. 38 p. (Seria 3: Mashiny i oborudovanie dlia kommunalnogo khoziaistva)
- BELIAKOV, I. U. I., and V. M. VLADIMIROV. [Operating members of wheel-type excavators] Rabochie organy rotornykh ekskavatorov. Moskva, Mashinostroenie, 1967. 178 p.
- BERENFELDS, VALDIS. [Materials used in the machinery industry] Masinuve lietojamie materialy. Riga, Liesma, 1966. 90 p. (Jauna siradnieka biblioteka) [In Latvian]
- BEINSHTEIN, M. KH. [Thermoplastic material for shoe counters and toe boxes] Termoplasticheski material dlia zadnikov i podnoskov obuvi; uchebnoe posobie. Moskva, Legkaiia Industriia, 1965. 34 p. [MICROFILM]
- BOGDANOVICH, F. A. [Fundamentals of fire prevention in the peat industry] Osnovy protipozharnoi tekhniki v torfianoi promyshlennosti. Minsk, Vysshiaia shkola, 1963. 108 p. [MICROFILM]
- BOLOBAN, N. A. [Safety manual for the operator of a tower crane] Pamiatka po tekhnike bezopasnosti dlia mashinista bashennogo krana. Izd. 3. Moskva, Stroizdat, 1966. 33 p. (Tekhnika bezopasnosti v stroitel'stve)
- BORISOV, S. A. [Toward new heights] K novym vysotam. [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1963. 53 p.
- BOTVINKIN, O. K., G. I. KLIUKOVSKII, and L. A. MANUILOV. [Laboratory manual on the general technology of silicates and the technical analysis of building materials] Laboratornyi praktikum po obshchei tekhnologii silikatov i tekhnicheskoiu analizu stroitel'nykh materialov. Moskva, Stroizdat, 1960. 399 p.
- BOZHENOV, P. I., and V. I. KAYALEROVA. [Nepheline sludges] Nefelinovye slizy. Leningrad, Stroizdat, 1966. 242 p.
- BRONER, L. D. [Using electronic computers in design and construction planning] Primenenie elektronnykh vychislitel'nykh mashin v arkhitekturno-stroitel'nom proektirovanii. Moskva, Stroizdat, 1966. 170 p.
- BUKANKOV, E. I., and B. I. KRASNOV. [Heels and heel taps made of polymers] Kabluki i nabokli iz polimerov. Moskva, Vses. zaochnyi in-t tekhn. i tekhn. promyshl., 1965. 50 p. [MICROFILM]
- BUKHANOV, M. S. [Aleksel Anokhin and his comrades] Aleksel Anokhin i ego tovarishchi. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 67 p.
- BUKRINSKII, V. A. [Problems of the geometrization of physicochemical and mining geology indices of deposits for modeling on digital computers; for students specializing in the "Physics of rocks"] Voprosy geometrizatsii fiziko-tekhnicheskikh i gornogeologicheskikh pokazatelei mesto-rozhdeniia dlia modelirovaniia na TSM; dlia studentov spetsial'nosti "Fizika gornykh podol." Moskva, Mosk. in-t radioelektroniki i gornoi mekhaniki, 1966. 127 p.
- BYKOV, E. I. [Silicon power rectifiers] Silovye klennicnye vypryamiteli. Moskva, Energiia, 1968. 96 p. (Biblioteka elektronika, no. 210)
- CHEBOTAREV, A. I., and K. P. KLIVASHEV. [Hydrological calculations, collection of exercises] Gidrologicheskie raschety; sbornik uprazhnenii. Leningrad, Gidrometizdat, 1968. 295 p.
- CHEKANOV, V. D. [Collection of problems and exercises in general and mining electrical engineering] Sbornik zadach i uprazhnenii po obshchei i gornoi elektrotekhnike. Moskva, Nedra, 1966. 223 p.
- CHERNIAVSKI, E. V. [Manufacturing of bricks] Proizvodstvo kirpicha. Moskva, Stroizdat, 1966. 173 p. (V pomoshch' sel'skomu stroitel'stvu)
- [COLLECTION OF FIRE-PREVENTION SPECIFICATIONS FOR DESIGNING INDUSTRIAL ENTERPRISES AND POPULATED PLACES] Sbornik protipozharnykh norm stroitel'nogo proektirovaniia promyshlennykh predpriiati i naselennykh mest. Moskva, Stroizdat, Pt. 3. 1965. 392 p.
- [CONSTITUTIONAL DIAGRAMS OF METAL SYSTEMS, PUBLISHED IN 1961] Diagrammy sostoiianiia metalicheskikh sistem, opublikovannye v 1961 godu. [By] S. P. Alfsova, P. D. Budberg. Moskva, Proizvodstvenno-izdatel'skii kombinat VINITI, No. 10. Pod red. N. V. Ageeva, 1966. 239 p.
- [D70 DIESEL LOCOMOTIVES] Teplovoznii dizel D70. Moskva, Transport, 1966. 63 p.
- DEMINE, E. A., and L. A. CHINENKOV. [Magnetic switching elements in radioelectronics] Magnitnye kommutatsionnye elementy radioelektroniki. Moskva, Mashinostroenie, 1966. 421 p.
- D'ACHKOV, V. S. [110-220 kv. air-blast switches with air-filled separators] Vozdushnye vykluchateli 110-220 kv s vozdukhonapolnennymi otdeliteli. Moskva, Energiia, 1967. 112 p. (Biblioteka elektronika, no. 211)
- [DIGITAL COMPUTERS AND PROGRAMMING] Tsiifrovaya vychislitel'naia tekhnika i programirovanie; sbornik statei. Pod red. A. I. Kitova. Moskva, Sovetskoe radio, 1966. (CaOTU)
- DOKUKIN, A. V., and I. U. D. KRASNIKOV. [Experimental study of loads on mining machine actuators, methods] Eksperimental'noe issledovanie nagruzok na ispolnitel'non organy gornykh mashin; metodika. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1966. 9 p.
- DOKUKIN, A. V., I. U. D. KRASNIKOV, and Z. I. KHURGIN. [Analytical principles of mining machinery dynamics] Analiticheskie osnovy dinamiki vyemochnykh mashin. Moskva, Nauka, 1966. 159 p.
- DUKHOVNER, A. N. [Signals of radio systems and their spectral analysis, a manual on the theoretical fundamentals of radio engineering] Signaly radioislem i ikh spektral'nyi analiz; uchebnoe posobie po teoreticheskoi osnovam radioelektroniki. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t, 1965. 68 p.
- DUSHANBE, GOSUDARSTVENNAIA RESPUBLIKANSKAI BIBLIOTEKA, Spravochno-bibliograficheski otdel, ["Peopadnala" and "Golovnaia"] Hydroelectric Power Stations, an index to the literature] Peopadnala i Golovnaia gidroelektrostani; ukazatel' literatury, Dushanbe, Irion, 1965. 21 p. (CSL-II)
- DYMOVICH, N. D., A. Z. FIRSOV, and N. P. KRASNIKOV. [Radio waves in the ionosphere and ultrashort waves, textbook] Radiovolny v ionosfere i ul'trazhurtoie volny, uchebnoe posobie. Obshchaitel' N. P. Krastida Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t, 1966. 82 p.
- DYN'KIN, A. I. [Equipment and conveying machinery for assembly-line production of glued footwear, textbook] Oborudovanie i transportnye ustroystva na potok protivodstva klevoi obuvi, uchebnoe posobie. Moskva, Legkaiia Industriia, 1966. 43 p. [MICROFILM]
- EGNUS, M. I. A., and SH. L. MACHABELI, eds. [Erecting single-story industrial buildings of standardized dimensional designs, a practical manual] Vozvedenie odnoetazhnykh promyshlennykh zdanii unifikatsionnykh gabaritnykh skhem, prakticheskoe posobie. Moskva, Stroizdat, 1966. 105 p.
- EMEL'YANOV, A. I., and O. V. KAPNIK. [Designing of systems for regulation and automatic control of thermal processes, a handbook] Proektirovanie ustanoek kontroli i avtomatiki teplovyykh protsessov; spravochnoe posobie. Moskva, Energiia, 1966. 364 p.
- EREMEEV, A. N. [Methods of deep geochemical prospecting for buried deposits by secondary halos of dispersion] Metodika glubinnnykh geokhimicheskikh poskov pogrebennykh mestoi ozhdenni po viorichoiy m o lam rassoianni. Moskva, Gos.geol.kom-t SSSR, 1965. 26 p. [MICROFILM]
- FEDOSEEV, N. P. [On-the-job safety for construction around ionizing radiation] Bezopasnost' rabot na stroitel'stve v usloviiakh ioniziruiushchikh izlucheni. Moskva, Stroizdat, 1966. 50 p.
- FISCHER, HANS JOACHIM. [Transistor technology for radio amateurs. Translated from German] Transistornaia tekhnika dlia radiolubitelei. Moskva, Energiia, 1966. 183 p. (Massovaya radiobiblioteka, no. 617)
- FOKOV, R. I. [Planning the erection of plant buildings] Proektirovanie vozvedeniia korpusov-zavodov Khar'kov, 170-vo Khar'kovskogo gos. univ., 1966. 129 p.
- [FOR THE CONCRETE WORKER, a list of recommended literature] Betonshchiku, rekomendatsii i ukazatel' literatury. Moskva, Kniga, 1966. 35 p. (V pomoshch' rabochim stroitel'noi promyshlennosti, no. 3)
- [FORCED AIR VENTILATION OF POTATOES AND CABBAGE IN STORAGE] Aktivnoe ventilirovanie kartofelia i kapusty pri khraneni. K stoletiiu Sel'skokhoziaistvennoi akademii imeni K. A. Timiriazeva Moskva, Kolos, 1966. 230 p.
- FOTEEV, N. K. [Sparks machine metals] Iskra obrabatyvaet metall. Moskva, Znaniia, 1967. 29 p. (Novoe v zhizni, nauka, tekhnika, IV Seria; Tekhnika, no. 2)
- [FUNDAMENTALS OF AUTOMATING PRODUCTION OPERATIONS IN ROAD CONSTRUCTION] Osnovy avtomatizatsii proizvodstvennykh protsessov v dorozhnom stroitel'stve. [By] V. I. Kolyashev i dr. Moskva, Transport, 1966. 222 p.
- FURMANOV, B. M. [Chamberless evaluation of spark-proof conditions of electrical networks, a scientific report] Beskamernnaia otsenka iskrobezopasnosti elektricheskikh tsapai, nauchnyi doklad. Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1966. 33 p.
- GADZHIIEVA, R. G., and I. U. E. SINITSYNA. [Protection against corrosion of a wet steel surface] Zashchita ot korrozii mokroi stal'noi poverkhnosti. Baku, Azernesht, 1966. 131 p.
- GALETSKII, F. P., and L. A. LJUBOVICH. [Spectral features of the operation and calculation of circuits with tunnel and storage diodes] Osobennosti raboty raschet skhem na tunnel'nykh i nakopitel'nykh diodakh. Moskva, Akad.nauk SSSR, 1965. 31 p. (Elektronnye vychislitel'nye mashiny)
- GARKAVENKO, N. I., and N. N. LIPATOV. [Methods for continuous crystallization of lactose in curdled milk with sugar] Sposob neperyvnoi kristallizatsii laktozy v sgushchennom moloko s sakharii. Moskva, TeNI Plachoprom, 1965. 23 p. [MICROFILM]
- GAYZE, M. N. [Interaction between mercury and other metals and alloys] Vzaimodelstvie rtuti s metallami i spлавami. Moskva, Nauka, 1966. 157 p.

- GENTSBURG, B. I.** [Tractors and motor vehicles, manual for students of correspondence departments and sections, specializing in "Mechanization of agricultural production"] Section Theory and design of tractors, automotive chassis and motor vehicles. Topics Forces acting on tractors and motor vehicles. Traktor, avtomobil, uchebnoe posobie dlia studentov zaochnykh fakul'tetov 1 otdelenii po spetsial'nosti "Mekhanizatsiia sel'skokhoziaistvennogo proizvodstva." Razdel Teoriia i raschet traktorov, samokhodnykh sil'ski i avtomobilov. Izd. 2, peier. Moskva, Vses.-skh in-t zaochnogo obrazovaniia, 1966. 70 p.  
[MICROFILM]
- GINZBURG, B. A.** [Using low-grade lumber wastes in making mass-produced consumer goods] Ispol'zovanie otkhodov nizkotsortnykh pliomaterialov dlia izgotovleniia izdelii shirokogo poliecheniia. [Moskva, Tsentr, bluo tekhn. informatsii, 1957] 18 p.  
(OCS)
- GINZBURG, M. B.** [Safety engineering in petroleum refineries] Tekhnika bezopasnosti na neftepererabatyvashchikh zavodakh. Baku, Azerbaidzianskoe gos. izd-vo, 1962. 110 p.  
[MICROFILM]
- GLATSIANSKII, I. N.** [Electronic measuring instruments, summary of lectures] Elektricheskie izmeritel'nye pribory; konpekt lektsii. Red. V. N. Malinovskii. Moskva, Mosk. energ. in-t. Pt. 1. 1966. 201 p.
- GLAZOV, V. M., and V. S. ZEMSKOV.** [Physicochemical principles of the alloying of semiconductors] Fiziko-khimicheskie osnovy legirovaniia poluprovodnikov. Moskva, Nauka, 1967. 370 p.
- GNUSKIN, A. M.** [Safety manual for workers attending boilers in apartment houses] Pamiatka po tekhnike bezopasnosti dlia rabochikh pri obsluzhivani kotel'nykh v zhilykh domakh. Moskva, Stroiizdat, 1965. 32 p. (Tekhnika bezopasnosti v kommunal'nom khoziaistve)
- GOBZEMIS, I. U. G.** [Using new paints in construction; a survey] Primenenie novykh krasok v stroitel'stve; obzor. Riga, Latvinskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 45 p.
- GOKHDOM, E. N., and E. A. RAZVARIN.** [Special-purpose containers and their use] Spetsial'nye konteinery i ikh primeneniie. Leningrad, 1966. 30 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriia. Mekhanizatsiia i avtomatizatsiia transportnykh i skladsikh rabot v promyshlennosti)
- GOLOVKO, V. G.** [Semiconductor capacitors] Poluprovodnikovye emkosti. Novosibirsk, Nauka, 1967. 49 p.
- GORBOVETS, M. N., and V. F. PAVLOV.** [Soviet and foreign machinery for cleaning and lubricating foams in the production of precast reinforced concrete; a survey] Otechestvennoe i zarubezhnoe oborudovanie dlia ochistki i smazki form pri proizvodstve sbornogo zhelezobetona, obzor. Moskva, NIiinformatsii stroit-dokommuniah, 1965. 64 p. (Seriia 2: Oborudovanie dlia promyshlennosti stroitel'nykh materialov)
- GORBUNOV-POSADOV, M. I.** [The present condition of the scientific fundamentals of foundation construction] Sovremennoe sostoianie nauchnykh osnov fundamentostoiia. Moskva, Nauka, 1967. 66 p.
- GOR'KOVSKII POLITEKHNIЧЕСKII INSTITUT. Kafedra soprotivleniia materialov.** [Standard problems for tests and examinations on the courses of the strength of materials, theory of elasticity and mechanical engineering] Tipovye zadachi k zacheiam i ekzamenam po kursam soprotivleniia materialov, teorii uprugosti i stroitel'noi mekhanike mashin. Gor'kii, 1964. 18 p.  
[MICROFILM]
- GOSUDARSTVENNYI MAKEEVSKI NAUCHNO-ISSLEDovATEL'SKII INSTITUT PO BEZOPASNOSTI RABOT V GORNOI PROMYSHLENNOSTI.** [Guide to the use of sprinkling during coal stopping operations] Rukovodstvo po primeneniiu orosheniia pri vyemke uгля v ochistnykh zaboiakh. Moskva, Nedra, 1966. 40 p.
- GOSUDARSTVENNYI PROEKTYNI INSTITUT "PROKTDIROMEKHANIZATSIIA."** [Equipment for hydraulic mechanization; a descriptive catalog] Oborudovanie dlia gidromekhanizatsii; al'bom-spravochnik. Moskva, Tsentr, bluo tekhn. informatsii. Vol. 1. [Earth pumps and hydraulic suction dredges] Gruntovye nasosy i zemlososy. 1965. 161 p.  
[MICROFILM]
- GRIGOR'EV, L. G.** [Simulation and the technical sciences] Modelirovaniie i tekhnicheskie nauki. Moskva, Znanie, 1967. 62 p. (Novoe v zhizni, nauke, tekhnike IV Seriia Tekhnika, no. 1)
- GRIN, B.** [General designer A. D. Shvetsov] General'nyi konstruktor A. D. Shvetsov. [Perm'] Permskoe knizhnoe izd-vo, 1964. 102 p. (Zanecatel'nye ljudi. Pamyat')]
- GRISHIN, G. I.** [Advanced technology and specialized machinery and devices for transportation construction used in hydraulic port construction] Progressivnaia tekhnologiya i spetsializirovannye mashiny i mekhanizmy transportnogo stroitel'stva, primeniemye v gidrotekhnicheskoi portovoi stroitel'stve. Moskva, Mosk zaochnyi stroit in-t, 1965. 66 p.  
[MICROFILM]
- GRISHIN, M. M., ed.** [Methods of calculating stability and strength of hydraulic structures, reinforced-concrete structures on nonrock bases] Metody rascheta ustoiichivosti i prochnosti gidrotekhnicheskikh soouzenii, zhelezobetonnye soouzenia na neskat'nykh osnovaniakh. Izd. 2. [By] V. P. Likhachev i dr. Moskva, Stroiizdat, 1966. 438 p.
- GRUNDVAG, I. A. S.** [Vocational training of pattern designers and cutters in the shoe industry] Proizvodstvennoe obucheniie iaskoishchikov i vyrubshchikov v obuvnoi promyshlennosti, metodicheskie posobie. Moskva, Vysshiaia shkola, 1965. 169 p.
- GUDKOV, S. I.** [Mechanical properties of steel at low temperatures; a handbook] Mekhanicheskie svoistva stali pri nizkikh temperaturakh; spravochnik. Moskva, Metallurgii, 1967. 266 p.
- GUREVICH, D. E.** [Organization of subsurface (preparatory) operations using completely mechanized sectors; experience of the "Mosfundamentstroit" trusts Nos 1 and 3 of the Glavmosstroit] Organizatsiia rabot podzemnogo (nulevogo) tekla silami kompleksno-mekhanizirovannykh uchastkov; opyt i estov "Mosfundamentstroit" No. 1 i 3 Glavmosstroia. Moskva, Stroiizdat, 1965. 27 p.  
[MICROFILM]
- GURLEV, D. S.** [Handbook on electronic devices] Spravochnik po elektronnykh priboram. Izd. 4., peier. i dop. Kiev, Tekhnika, 1966. 730 p.
- [HANDBOOK FOR A TECHNOLOGIST, manual for technologists of the founding, forging and welding departments]** Spravochnik tekhnologa, posobie dlia tekhnologov litelnykh, kuznechnykh i svarochnykh tsekhov. [By] M. Baranovskii i dr. Minsk, Belarus', 1966. 551 p.
- [HANDBOOK OF THE PILOT AND NAVIGATOR OF CIVIL AVIATION]** Spravochnik pilota i shтурмана grazhdanskoi aviatsii. Moskva, Transport, 1967. 367 p.
- INTERNATIONAL CALIBRATION CONFERENCE, CHWICE, 1963.** [Grooving of rolling mill rolls, materials, translated from Polish] Kalibrovka prokatnykh valkov; materialy. Moskva, Metallurgii, 1966. 283 p.
- IVANETS, K. I., and A. N. LEIDO.** [Equipment of petroleum refineries and its exploitation] Oborudovanie neftepererabatyvashchikh zavodov i ego ekspluatatsiia. Moskva, Khimiia, 1966. 341 p.
- IVANOV, K. I., and others.** [Boring techniques and equipment in the working of mineral deposits] Tekhnika bureniia pri razvutke mestorozhdenii poleznykh iskopaemykh. Moskva, Nedra, 1966. 377 p.
- IVANOV, N. V.** [Sampling of mineral deposits; textbook for correspondence course groups for raising the qualification of engineers and technicians] Oprobovanie mestorozhdenii poleznykh iskopaemykh; uchebnoe posobie dlia zaochnykh grupp povyseniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov. Leningrad, Leningradskii gornyi in-t, 1965. 117 p.
- IVANSKII, G. B., and others.** [Sealing the joints of precast reinforced concrete structural elements] Zadacha stykov sbornykh zhelezobetonnykh konstrukttsii. Moskva, Stroiizdat, 1966. 304 p.
- IZMAILOV, L. B.** [Study and calculation of cemented portion of casing column] Issledovanie i raschet zatsenentirovannoi chasti obsadnykh kolonn. Moskva, Nedra, 1966. 166 p.
- JAKOBI, EDUARD.** [Television repair] Televizionnyi korastamine. Tallinn, Valgus, 1965. 214 p. [In Estonian]
- JANSONS, V.** [Electrical measuring apparatus and measuring methods] Elektriskie meraparati un mēršanas metodes. Riga, Liesma, 1967. 243 p. [In Latvian]
- JANSONS, V., and M. IVANOV.** [Maintenance and check of hydraulic systems] Hidraulisko sistemu tehniska apkalpe un parbaude. Riga, Liesma, 1966. 115 p. [In Latvian]
- JOOSEP, ELMAR.** [The mine electrician] Kaevanduse elektrik. Tallinn, Valgus, 1966. 190 p. [In Estonian]
- KAPLINSKII, V. V., and R. V. ARUTIUNOV.** [Electronic digital computers] Elektronnye tsifrovye vychislitel'nye mashiny. Moskva, Statistika, 1966. 157 p.
- KARAMIAN, S. S.** [The Sevan-Razdan cascade hydroelectric power stations, the experience of construction] Sevano-Razdanskii kaskad GES, opyt stroitel'stva. Moskva, Energiia, 1966. 73 p.
- KARLIK, V. A.** [Automatic control of steelmaking in oxygen-blown converters] Avtomatizatsiia proizvodstva stali v kislorodnykh konvertersakh. Moskva, Metallurgii, 1967. 282 p.
- KARPUKHIN, N. S.** [Designing structural elements for multistory plant buildings, instructional manual for the course "Reinforced concrete and masonry structures"] Proektirovaniie elementov mnogoezhnogo proizvodstvennogo zdaniia, uchebnoe posobie po kursu "Zhelezobetonnye i kamennye konstrukttsii." Moskva, Mosk. in-t inzhenerov zhelezn. i transpola. Pt. 1. [Reinforced concrete structural elements] Zhelezobetonnye konstrukttsii. Pod red. S. S. Davydova, 1965. 129 p.
- KATORZHINOV, N. D., and I. A. VOITELEV.** [Identification of chemical and natural fibers] Raspoznavanie khimicheskikh i prirodnnykh volokon. 2. Izd., peier. i dop. Moskva, Legkaiia industriia, 1966. 261 p.
- KATSENELENOBOEN, A. M., and O. D. GALANINA.** [Machines and technology of the warp-knitting industry] Mashiny i tekhnologiya osnovnykh volzal'nogo proizvodstva. Izd. 2., peier. i dop. Moskva, Legkaiia industriia, 1966. 420 p.
- KERNOGO, V. V., and A. SH. KOGAN.** [Methods and program for calculations using the "Minsk-2" digital computer for the selection of the cross section of power transmission lines taking into account the dynamics of the load and the local conditions] Metodika i programma rascheta na EVM "Minsk-2" vybora sesheniia piovodov linii elektroperedachi s uchedom dinamiki nagruzki i mestnykh uslovii. Minsk, Vychislitel'nyi tsentr, 1964. 20 p.  
[MICROFILM]
- KHARCHENKO, R. R., ed.** [Electrical measurement converters] Elektricheskie izmeritel'nye preobrazovateli. [By] V. I. Konchalovskii i dr. Moskva, Energiia, 1967. 407 p.
- KILAVKIN, K. A., and L. N. DASHEVSKII.** [Designing longitudinal section of automobile roads, methods and automation] Proektirovanie prodol'nogo profilia avtomobil'nykh dorog, metody i avtomatizatsiia. Moskva, Transport, 1966. 237 p.
- KHODZHAKULIEV, I. A.** [Karakum and Amu Darya oil- and gas-bearing areas: hydrogeology] Karakumskaiia i Amudarya'skaiia neftegazonosnye oblasti gidrogeologiya. Pod red. A. A. Kariseva. Ashkhabad, Izd-vo Turkmenistan, 1966. 218 p.
- KHUTORIANSKII, M. S., ed.** [Handbook of building materials and products] Spravochnik po stroitel'nykh materialam i izdeliam. Kiev, Budivel'nyk, 1966. 600 p.
- KICHEV, P. M., and G. A. DUBROVIN.** [Welded steel-pipe ladders; design and construction] Svarnye skel'erazlichnyye kovshi; konstrukttsiia i raschet. Moskva, Mashinostroenie, 1966. 85 p.
- KISLIAKOV, I. S.** [Designing of electrical filters] Raschet elektricheskikh fil'trov. Moskva, Energiia, 1967. 80 p. (Biblioteka po radioelektronike, no. 6)
- KLUSHIN, M. I., ed.** [Using lubrication and cooling fluids in metal cutting] Voprosy primeniienia amazochno-okhlazhdaushchikh zhidkostei pri rezanii metallov; sbornik statei. Ivanovo, Ivanovskii tekstil'nyi in-t, 1965. 179 p.

- KOCHOV, M. G., K. N. SANDLER, and M. E. PARILS. [Digital control computers for automatic addressing of circuits] Upravlyayushchiye tsifrovyye mashiny dlya avtomaticheskogo adresirovaniya tsirkuitov. Moskva, Mashinostroyeniye, 1966. 152 p.
- KOROL'EV, I. F. [Machines for casting concrete and rendering concrete pressures and low pressures] Strojki dlya formirovaniya betonnykh i zhelezobetonnykh izmenyayemykh i neodmenyayemykh trub. Moskva, NIInformatsii stroitel'stva i promyshlennosti stroitel'nykh materialov. 1965. 53 p. (Seriya 2 Oborudovaniye dlya promyshlennosti stroitel'nykh materialov)
- KOTIKOV, A. M., and V. D. MOCHALOV. [Pulse counters and digital displays] Strojki tsifrovyykh i analogovykh priborov. Energiya, 1966. 103 p. (Biblioteka prikladnoy elektroniki)
- KOŠLER, SI. VONJIR, and MILAN KUDÁT, eds. [Semiconductors in transformer technology. Translated from the Czech] Poluprovodniki v preobrazovatel'noy tekhnike. Pod red. A. A. Sivovycha. Moskva, Energiya, 1965. 355 p.
- KOSOLAPOV, V. G. [Safety manual for pile drivers engaged in installing pile foundations] Pamiatka po tekhnike bezopasnosti dlya uprovodshchikov, zamalyayemykh ustroystv i ustroystv dlya ustroystv i ustroystv dlya ustroystv. Izd. 2., dop. i perer. Moskva, Stroitel'stvo, 1966. 27 p. (Tekhnika bezopasnosti dlya stroitel'stva)
- KOTYSH, M. I. [Daughter of the blue planet] Doch'try hulyboly planety. Kyiv, Politytydy Ukrainy, 1965. 153 p. (Literaturnyye trazy)
- KOZHUKH, V. L., N. N. TEMNOKH, and N. P. ONISHCHENKO. [Automatic gas analyzers in blast furnaces] Avtomaticheskiye gazoanalizatory na domennyykh pechakh. Moskva, Metallurgiya, 1967. 72 p.
- KRATTS, K. O., and I. F. VOENUSIKIN, eds. [New ways for the utilization of raw minerals in Karelia] Novyye puti ispol'zovaniya mineral'nogo syr'ya v Karelii. Petrozavodsk, Karelskoe knizhnoye izd-vo, 1965. 68 p. (MICROFILM)
- KRISBERGS RIHARDS, and JANIS POLMANIS. [Magnetohydrodynamics and technology] Magneto-hidrodinamika un tehnika. Riga, Liesma, 1966. 72 p. (In Latvian)
- KRUPITSKII, B. A. [What a heat treatment technician should know] Chto dolzhen znat' termist. [Leningrad] Lenzdat, 1966. 190 p.
- KRYLOV, N. V. [Organizing and planning production of gases by deep cooling in industrial enterprises, a textbook] Organizatsiya i planirovaniye proizvodstva gazov v elodom glubokogo okhlazhdeniya na promyshlennykh predpriyatiyakh, uchebnoye posobie. Leningrad, Pt 1. 1965. 237 p.
- KUDRIASHOV, V. P., I. I. MEKHAILOV, and A. K. SIDORENKO. [Mining machinery] Gornyye mashiny. Moskva, Nedra, 1966. 285 p.
- KUDRINA, A. P., and G. F. GUL'EV. [Refractories for oxygen-blown converters] Ogneupory dlya kislorodnykh konverterov. Moskva, Metallurgiya, 1966. 143 p.
- KUTIUSHEV, F. S. [Receiving furs according to quality] Priemka mekhnicheskikh tovarov po kachestvu. Moskva, Ekonomika, 1966. 117 p.
- KUTYRKIN, V. A., V. I. GORELKIN, and V. S. TSVETKOV. [Loading and unloading pump units of river oil ports and tankers, textbook for students in courses for raising the qualifications of the engineering and technical workers of the Ministry of the River Fleet] Gruzovye nasosnyye ustanovki rechnykh neftebaz i tankerov, uchebnoye posobie dlya sluzhatel'nykh kursov povysheniya kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov MRF. [Gor'kiy] Volgo-Vlaskoe knizhnoye izd-vo, 1966. 58 p.
- KUZIAEV, B. A. [Heat treatment of steel, programmed manual] Termicheskaya obrabotka staloi, programmirovannoye uchebnoye posobie. [Krasnoyarsk] Krasnoyarskoe knizhnoye izd-vo, 1966. 77 p. (MICROFILM)
- KVARTENKO, A. S. [Straightening and cutting machines for machining reinforcement steel rods, a survey] Pravil'no-otreznye stanki dlya obrabotki stozhnykh armaturnoi stali, obzor. Moskva, NIInformatsii stroitel'stva i promyshlennosti stroitel'nykh materialov, 1965. 56 p. (Seriya 2 Oborudovaniye dlya promyshlennosti stroitel'nykh materialov)
- LABORATORIA OSADOCENIYKH POLEZNYKH ISKOPAYEMYKH. [Concentration of manganese and iron ores in the Dzhalindzhirskiy Magantsovyi zhelezozavodnyy kontsentratnyi Dzhail'minskoi mul'dy. Moskva, Ntva, 1966. 142 p. Illus.]
- LATVIJSHKII RESPUBLIKANSKII INSTITUT NAUCHNO-TEKHNIČESKII INFORMATSII I PROPAGANDY. [Experience in the antiseptic treatment of wooden power line poles in the Latvian electric power system, a review] Opyt priemki derzavnykh opor linii elektricheskoi peredachi v Latvii'skoi energosisteme, obzor. [Ry] V. Garbovskii i dr. Riga, 1966. 38 p.
- LAZDAN, A., and I. A. SHMIT. [Drying varnish coatings of wood, a review] Sushka lakovykh pokrytiy na drevesine, obzor. Riga, Latvii'skii respubl. in-1 nauchno-tekhn. informatsii i propagandy, 1966. 29 p. (Listok tekhnicheskoi informatsii)
- LEIDERMAN, S. R. [Operation of motor trucks, technical and economic fundamentals] Eksploataciya avtomobilov, tekhniko-ekonomicheskiye osnovy. Moskva, Transport, 1966. 150 p.
- LEKIN, B. V. [Using thermal drills for working frozen ground and for crushing boulders, from the experience of the Administration for Mechanization of Construction of the Glaymnyy manskii] Priemnye termoburovy dlya razrabotki mraznykh gruntov i drobleniya valunov, iz opyta Upravleniya mekhanizatsii stroitel'stva Glaymnyy manskii. Moskva, Izd-vo lit-ry po stroitel'stvo, 1966. 11 p. (Novosti stroitel'noy tekhniki)
- LEITES, Z. M., and V. A. SYSOEVA. [Methods of establishing optimal flow sheets for underground haulage using the theory of graphs] Metodika ustanovleniya optimal'nykh tekhnicheskikh skhem podzemnogo transporta s pomoshch'yu teorii grafov. Moskva, In-1 gornogo dela im A. A. Skochinskogo, 1966. 80 p.
- LENINGRADSKII POLITEKHNIČESKII INSTITUT. [In the struggle for technological progress] V bor'bu za tekhnicheskii progress, sbornik statei. [Leningrad] Lenzdat, 1965. 378 p.
- LEONT'EV, I. I. [All-purpose machine for bending and pressing furniture parts] Univerzal'nyy stanok dlya gnut'ia i pressovaniya mebel'nykh detalей. [Moskva] Tsentr. biblio. tekhn. informatsii [1967]. 10 p. (OrCS)
- LEPK, AUGUST. [Photography for beginners] Fotografiraniya algafale. Tallinn, Eesti Raamat, 1965. 341 p. (In Estonian)
- LEVIN, V. A. [Terminology in the field of patents] Terminologiya patentovedeniya. Tallinn, Tsentr. biblio. tekhn. informatsii SNKh ESSR. No 1. 1964. 23 p.
- LIPMAN, R. A. [Magnetic storage counters] Magnitnye nakopitel'nye schetchiki. Moskva, Energiya, 1967. 142 p. (Biblioteka po avtomatike, no 220)
- LOPATTO, A. E. [Calculating the section and designing ordinary and prestressed reinforced concrete structural elements] Raschet sechenii i konstruirovaniye elementov obychnykh i predvaritel'no napravlennykh zhelezobetonnykh konstruktov. Izd. 2., perer. i dop. Kiev, Budivelnik, 1966. 379 p.
- LOSKOV, B. V., ed. [Petroleum products, properties, quality, use. Manual] Nefteprodukty, svoystva, kachestvo, primeneniye. Spravochnik. Moskva, Khimika, 1966. 776 p.
- LYSACHENKO, I. A. [Electric and radio-engineering materials] Elektro-radionamaterialy. Moskva, Svyaz', 1967. 195 p.
- [MACHINING MACHINERY MATERIALS WITH DIAMOND TOOLS] Obzorka mashinostroitel'nykh materialov al'maznym instrumentom. Moskva, Nauka, 1966. 250 p.
- MAKHNOVICH, A. T. [Safety manual for workers attending motor separation units at a construction yard] Pamiatka po tekhnike bezopasnosti dlya rabochikh, obsluzhivayushchikh rastvornye uzly na stroitel'noi ploshchadke. Izd. 2. Moskva, Stroitel'stvo, 1966. 26 p. (Tekhnika bezopasnosti na stroitel'stve)
- MASLOBOEV, G. I. A. [Execution of assembly drawings in the machinery industry] Vypolneniye sborochnykh chertezheiv v mashinostroenii. Moskva, Vysshiya shkola, 1965. 50 p. (MICROFILM)
- MAZUROV, D. I. A., M. I. ROGOVOI, and I. M. VOTKINA. [Heat engineering and heat-engineering equipment for enterprises in the building materials industry] Teplo-tekhnika i teploinzhenernoye oborudovaniye dlya promyshlennosti stroitel'nykh materialov. Pod red. D. I. A. Mazurova. Moskva, Stroitel'stvo, Pt. 2. [Endovlat heat engineering] Promyshlennyy teploinzhenering. 1966. 149 p.
- MEL'NIKOV, G. P. [Pulse-potential diagram method in the selection of logical circuits of digital computers] Metod impul'sno-potentsial'nykh diagramm pri vybere logicheskikh skhem tsifrovyykh mashin. Moskva, 1961. 10 p.
- MERGIN, E., I. BELIZTER, and I. POSI. [Impulse production processes in fertilizers and slag] Impul'sno-potentsial'nyye protsessy pri obzavlenii i obzavlenii v otdel'nykh priboorakh i obzavlenii. Riga, Latvii'skii respubl. in-1 nauchno-tekhn. informatsii i propagandy, 1966. 19 p. (Listok tekhnicheskoi informatsii. Derzavno-avtomaticheskii i humanizatsiya promyshlennosti)
- MERKULOV, N. I. A., A. I. SOKOLOV, and S. G. H. INSKII. [Operation of a stoppage machine complex and coal-mining machine unit] Mashinist oshibnogo komplekso i ugledobavayushchego apparata. Moskva, Nedra, 1966. 278 p.
- [METHODS OF STUDYING THE CONDITIONS OF GROUND WATERS IN ARTS IRRIGATED WITH SEWAGE WATERS] Metodika izucheniya usloviy gruntovykh vod na nasel'nykh, ozelenennykh i stroyimyykh vodami. Moskva, 1966. 40 p.
- MEZHNEVOV, A. M. [Heat supply of industrial enterprises, manual for students of heat and power engineering professions] Teplosnabzheniye promyshlennykh predpriyatiy, uchebnoye posobie dlya studentov teploenergeticheskoi spetsial'nosti. Leningrad, Leningr. tekhnicheskii in-1 tsentral'no-industrial'noy promyshl., Pt. 1. 294 p.
- MIKHAILOV, V. A., and B. I. NORMINSKII. [Automation of shipboard electric power plants] Avtomatizatsiya sudovyykh elektricheskikh stantsii. Leningrad, Selsiostroyeniye, 1966. 310 p.
- MIKHAILOV, V. P. [Gas fuel and its consumption] Gazovoye toplivo i ego szhiganiye. Leningrad, Nedra, 1966. 126 p.
- MIKIT, E. A., and I. A. V. STAPRAN. [Drying timber at enterprises of Latvia, a review] Opyt usushki dlya materialov na predpriyatiyakh Latvii'skoi SSR, obzor. Riga, Latvii'skii respubl. in-1 nauchno-tekhn. informatsii i propagandy, 1966. 22 p.
- MIKIT, E. A., and others. [Improving the ventilation systems of roller dryers at plywood enterprises] Usoveshchestvovaniye sistemy ventilatsii rollovnykh suшил'nykh apparatov dlya predpriyatiy Latvii'skoi SSR, obzor. (Derzavobrazovatel'skaya i humanizatsiya promyshlennosti)
- MIRSKII, G. I. A. [Measurement of the characteristics of random processes] Apparatnoye opredeleniye kharakteristik sluchaynykh protsessov. Moskva, Energiya, 1967. 430 p.
- [MODERN METHODS OF CHEMICAL AND SPECTRUM ANALYSIS OF MATERIALS, collection of surveys and methods] Sovremennyye metody khimicheskogo i spektral'nogo analiza materialov; sbornik obzrov i metodik. Moskva, Metallurgiya, 1967. 311 p.
- MOKHEL, L. I., and N. N. SIMYKOVA. [Static and impulse parameters of small cores from 70NM alloy steel 180N with a thickness of 2 μ] Staticheskie i impul'snyye parametry malopromernykh kerov dlya 180N magnitnoy stali 180N s tolshchey 2 mik. Moskva, 1965. 23 p.
- MOLCHANOV, I. U. M. [Physical and mechanical properties of polyethylene, polypropylene and polybutylene, a handbook] Fizicheskie i mekhanicheskiye svoystva polietilena, polipropilena i polibutilena; spravochnik. Riga, Zinatne, 1966. 438 p.
- MOLOKOV, M. V. [Machinery and equipment for cleaning sewerage systems; a survey] Mashiny i oborudovaniye dlya prochnosti kanalizatsionnykh setei; obzor. Moskva, NIInformatsii stroitel'stva i promyshlennosti stroitel'nykh materialov, 1965. 38 p. (Seriya 3 Mashiny i oborudovaniye dlya kommunal'nogo khozaystva)
- MORDVIN, A. P., E. M. ERSHOV, and V. I. DAVYDENKO. [Mechanical processing of fiber glass produced by the winding method] Mekhanicheskaya obrabotka stekloplastikov, poluchennykh metodom namotki. Leningrad, 1966. 38 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii otyet Seriya Plastmassy i ikh primeneniye v promyshlennosti)



[MOVIE PROJECTORS, MOVIE CAMERAS, a catalog and reference book] Kinospektory, kinopriemaly, katalog-spravochnik. Kiev, Reklama, 1960. 34 p.

MOZBERG, R.K. [Programmed manual for self-testing in the course "Metallography and heat treatment of metals"] Programirovannoe posobie dlia samokontrolya po kursu "Metallovedenie i teplotnaya obrabotka." Tallin, Tallinskiy politekhn. in-t. 1966. 147 p.

MOZGALEVSKII, A.V., and others. [Automatic flaw detection] Avtomaticheskii poisk nepsavnostei. Pod red. A.V. Mozgalevskogo. Leningrad, Mashinostroyeniye, 1957. 262 p.

MOZHAROVSKI, V., and L. TSVILKOVA. [Further developments in producing and introducing progressive blanks at enterprises of the Latvian S.S.R., based on exhibitional materials] Dal'neshnee razvitiye proizvodstva i vnedreniye progressivnykh zagotovok na predpriyatiyakh Latvisskoi SSR, po materialam tematicheskoi vystavki. Riga, Latvisskii respublika-nauchno-tekhn. informatsii i propagandy, 1966. 23 p.

NADZHAROV, M.A., ed. [High-intensity combustion processes] Vysokointensivnyye ogneye protsessy, sbornik statei. Moskva, Energiya, 1967. 294 p.

NAUCHNO-ISLEDOVATELSKII INSTITUT ORGANIZATSII, MEKANIIZATSII I TEKHNIЧЕСКОГО ПОМОЩИ СТРОИТЕЛЬСТВУ. [Concrete operations, collection of reports on efficiency proposals] Betonnye raboty, sbornik otsenki raznoobraznykh predstavlenii. Moskva, Stroiizdat, 1965. 14 p. (Novosti stroitel'noi tekhniki SSSR) [MICROFILM]

NAUCHNO-ISLEDOVATELSKII INSTITUT ORGANIZATSII, MEKANIIZATSII I TEKHNIЧЕСКОГО ПОМОЩИ СТРОИТЕЛЬСТВУ. [Manufacturing large-scale thin-walled 3 by 8m, panel shells for roofs of industrial buildings, experience of construction and assembly trust No. 1 of the Glavkivostroi of Ministry of Construction of the Ukrainian S.S.R. and of the Scientific Research Institute of Structural Elements of the State Committee on Construction of the Council of Ministers of the U.S.S.R.] Izgotovlenie kupolovazmeinykh tonkostennyykh paneli-obolochek razmerami 3x8m dlia pokrytiya promyshlennyykh zdaniy, opyt stroitel'no-montazhnogo otdela No. 1 Glavkivostroi i Ministerstva stroitel'stva USSR i NI stroitel'nykh konstruktov Gosstroia SSSR. [By] A.A. Tsel'min i dr. Moskva, Stroiizdat, 1965. 23 p. (Novosti stroitel'noi tekhniki SSSR) [MICROFILM]

NAZAR'EV, O.V., and I.U. A. PARFENOV. [Construction of the cable lines of rural telephone and wire broadcasting systems] Stroitel'stvo kabel'nykh lini sel'skoi telefonnoi svyazi i radiofizkatsii. Moskva, Svyaz', 1966. 92 p. (Biblioteka sel'skogo svyaztsela)

NEIMARK, B.E., ed. [Physical properties of steels and alloys used in power engineering, a handbook] Fizicheskie svoystva stali i sployov, primeneniyykh v energetike, spravochnik. Moskva, Energiya, 1967. 238 p.

NEYZOROV, L.A. [Selecting efficient parameters of the system of boom changes of tower cranes, a survey] Vybór raznoobraznykh parametrov sistema izmeneniya vyleta bashennykh kranov; obzor. Moskva, NIIinformatsii stroiteldokkommunash, 1965. 60 p. (Seriya I. Stroitel'nye i dorozhnye mashiny)

NEYZOROVA, G.V., and S.A. SOLOMONOV. [Some problems of method in artistic designing] Nekotoryye voprosy metodiki khudozhestvennogo konstruirovaniya. Leningrad, Znaniye, 1966. 38 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy, Seriya "Tekhnicheskaya estetika")

NEKREEV, V.M., and V.L. SHADURSKII. [Practical methods of calculating shells] Prakticheskie metody rascheta obolochek. Moskva, Stroiizdat, 1966. 269 p.

NIKOL'SKII, I.U.V. [Irrigation construction; drawing up and duplicating planning and estimates records] Irrigatsionnoe stroitel'stvo, oformleniye i raznoobrazniye kreslno-smetnoi dokumentatsii. Moskva, Rossol'khoizdat, 1965. 130 p.

NOGIN, S.I. [Using ultrasonic vibrations for quality control of reinforced-concrete structural elements; materials of the Scientific Research Institute of Structural Elements (Kiev)] Primeneniye ul'trazvuka dlia kontrolya kachestva zhelezobetonnykh konstruktov, po materialam NIISEK (g. Kiev). Moskva, Stroiizdat, 1965. 35 p. (Novosti stroitel'noi tekhniki SSSR) [MICROFILM]

[NOISES AND PARAMETRIC EFFECTS IN MICROWAVE DEVICES] Shumy i parametricheskie yavleniya v elektromnykh priborakh sverkhvysokikh chastot. [By] V.M. Lopukhin i dr. Moskva, Nauka, 1966. 371 p.

OLESK, A.O. [Photoresistors] Fotoezistory. Moskva, Energiya, 1966. 128 p. (Biblioteka po avtomatike, no. 215)

[ONE-HUNDREDTH ANNIVERSARY OF THE "NOVAYA ZARI" PERFUME FACTORY] Sto let pamyatnoi fabrike "Novaya zaria." Moskva, Pishchevaya promyshl., 1965. 60 p.

ONISHCHENKO, M.IU., I.U.I. KOSHYTS', and V.I. RAIKO. [Farm buildings] Sil'sko-hospodars'ki vyrobnychi spoiudy. Kyiv, Budivelnik, 1965. 74 p. (Bibliotekha sil's'koho budivelnika)

OPLOV, N.F., M.V. ANDROSOVA, and N.V. VVEDENSKI. [Silicon organic compounds in the textile and light industries] Kremen'organicheskie soedineniya v tekstil'noi i legkoj promyshlennosti. Pod red. M.G. Voronkova. Moskva, Legkaya industriya, 1966. 238 p.

ORLOVSKI, B.IA. [Textbook for designing municipal garages, for students specializing in construction subjects] Uchebnoe posobie po proektirovaniu gorodskikh garazhei; dlia studentov stroitel'nykh spetsial'nostei. Pod red. B.P. Mikhailova. Moskva, Vses. zaochnyi inzhenerno-stroitel. in-t, 1966. 68 p.

PARFENOV, V.M. [Safety manual for a diller (in open-pit mining)] Pamiatka po tekhnike bezopasnosti dlia buril'shchika (na otkrytykh rabotakh). Izd. 2. Moskva, Stroiizdat, 1966. 20 p. (Tekhnika bezopasnosti v stroitel'stve)

PASECHNIK, N.D. [Elementary electrical engineering] Elementarnaya elektrotekhnika 10 ispr. izd. Kiev, Tekhnika, 1965. 223 p.

PATRUHOV, F.G. [Machine controls technological processes] Mashina upravlyaet tekhnologicheskimi protsessami. Moskva, Znaniye, 1967. 31 p. (Novoe v zhizni, nauke, tekhnike. XIV Seim. Radiotekhnika i svyaz', no. 2)

PAUSIKIN, I.A.M. [Petroleum synthesis in industry] Neftokhimicheski sintez v promyshlennosti. Moskva, Nauka, 1966. 399 p.

PEICH, N.N., and Z.V. BORONENKO. [Handbook on the drying of wood] Spravochnik po suшке drevessiny. Izd. 2. Ispr. i dop. Moskva, Lesnaya promyshl., 1966. 277 p.

PERKIN, I.D., and K.V. PANOV. [Production of diaphragm on the multishuttle diaphragm machine] Proizvodstvo gardynnogo tula na gardynnoi mnogochetnochnoi mashine. Moskva, Legkaya industriya, 1966. 197 p.

PETROV, G.L., and A.S. SUMAREV. [Theory of welding processes, with fundamentals of physical chemistry] Teoriya svarechnykh protsessov; s osnovami fizicheskoi khimii. Moskva, Vysshaya shkola, 1967. 507 p.

[PHYSICAL PROPERTIES OF EXTRA-PURE METALS AND SEMICONDUCTORS] Fizicheskie svoystva osobo chistykh metalliv i poluprovodnikov. Tashkent, Fan, 1966. 145 p.

PICHUGIN, A.I. [Mechanized assembly technology for manufacturing reinforcement elements and its efficiency] Potekhnico-mekhanizirovannaya tekhnologiya izgotovleniya armatury i ee effektivnost'. Moskva, Stroiizdat, 1965. 47 p. [MICROFILM]

PILIPENKO, V.I., and V.M. SHEPELEV. [Manufacturing precast reinforced-concrete structural elements for the main buildings of state regional electric power stations; experience of the "Donbassenergostroi" Trust] Izgotovlenie sbornyykh zhelezobetonnykh konstruktov dlia glavnykh korpusov GRES; opyt tresia "Donbassenergostroi." Moskva, Gosstroizdat, 1963. 60 p. [MICROFILM]

PIMENOV, A.I. [Control mechanisms in radio apparatus] Mekhanizmy upravleniya v radioapparatakh. Moskva, Energiya, 1966. 165 p. (Biblioteka po radioelektronike, no. 4)

PLATE, A.F. [Petroleum chemistry] Neftokhimiya. Moskva, Znaniye, 1967. 79 p. (Narodnyi universitet, Estestvenno-nauchnyi fakul'tet, 3)

POKONOVA, I.U.V. [Haloid etches, production methods, properties, and use] Galidefiry, sposoby polucheniya, svoystva, primeneniye. Pod red. A.A. Petrova. Moskva, Khimika, 1966. 339 p.

POLIAKOV, A.V. [Proud dynasty] Gordaya dinastiya. Fiume, Khizgosizdat, 1962. 58 p. (Chelovek svoim tiumom)

POLIVANOV, P.M. [Tables for computing the weight of parts and materials] Tablitsy dlia podscheta vesov detalei i materialov. Izd. 7., ispr. Moskva, Mashinostroyeniye, 1967. 302 p.

POLUPANOV, F.P. [Technical operation of tractors] Tekhnicheskaya eksploatatsiya traktorov. Kiev, Urohal, 1966. 327 p.

POPOV, L.N. [Laboratory testing of building materials and products] Laboratorniye ispytaniya stroitel'nykh materialiv i izdelii. Moskva, Vysshaya shkola, 1966. 240 p.

POVILEIKO, R.P., and L.I. SHIKHIVITS. [Proportions in industrial equipment, experimental lecture for students specializing in design and construction of the Mechanical Engineering Department of the Novosibirsk Electrotechnical Institute] Proportsiy v tekhnike; eksperimental'naya lektsiya dlia studentov konstruktivskikh spetsial'nostei mashinostroitel'nogo i priborostroitel'nogo fakul'tetov Novosibirskogo elektrotekhnicheskogo instituta. Novosibirsk, Novosibirskii elektrotekhn. in-t, 1965. 147 p. illus.

POVOLOTSKII, D.IA., and A.K. PETROV. [Production of steel alloys] Proizvodstvo legirovannykh stali. Moskva, Metallurgiya, 1967. 216 p.

RABOTNOV, I.U.N. [Creep of structural components] Polzuchest' elementov konstruktov. Moskva, Nauka, 1966. 752 p.

RAGULIN, V.V. [Technology of the manufacture] Tekhnologiya shinnogo proizvodstva. Moskva, Vysshaya shkola, 1966. 202 p.

RAKHOVSKI, V.I., G.V. LEVCHENKO, and O.K. TEODOROVICH. [Archiving tips of electrical apparatus] Razryvnye konfalyi elekticheskikh apparatov. Pod red. V.I. Rakhovskogo. Moskva, Energiya, 1966. 294 p.

RASSKAZOV, V.A., A.A. GONIK, and S.F. LIUSIN. [Prevention of paraffin depositions in petroleum production by use of paint and varnish coatings] Predotrascheniye otlozheniya paraffina pri dobyche nefli s pomoshch'yu lakokrashennykh pokrytiy. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 81 p.

REDIK, B.M. [Vibrator techniques in boring] Vibrotekhnika v bueni. Izd. 2., pererab. i dop. Moskva, Nedra, 1966. 231 p.

[REGULATIONS FOR THE INSTALLATION AND SAFE OPERATION OF AIR COMPRESSORS AND AIR DUCTS] Pravila ustroystva i bezopasnoi eksploatatsii vozdukhnykh kompressorov i vozdukhoprovodov. Moskva, Nedra, 1966. 22 p.

[RELIABILITY OF COMPLEX TECHNOLOGICAL SYSTEMS, collection of papers of the seminar of the Section on Reliability of the Scientific Council on the complex problem "Cybernetics" of the Presidium of the Academy of Sciences of the U.S.S.R.] O nadezhnosti slozhnykh tekhnicheskikh sistem; sbornik trudov seminar Sektora nadezhnosti Nauchnogo sovetu po kompleksnoi probleme "Kibernetika" pri Prezidiume AN SSSR. Moskva, Sov. radio, 1966. 323 p.

REMIEV, G.G. [From practices in automation and centralized control of petroleum production] Neft' syagryuzy avtomatizatsiyu hem dispetcherizatsiyu tezhri-behenen. OAO, Bashkortostan klap mashineto, 1962. 34 p. [In Bashkir]

RITSLAD, V.D. [Protection of labor; general principles] Otkrytiya truda, obshchie osnovy. Tartu, Tartuskii gos. univ., 1965. 87 p. (CS-H)

ROZOVSKI, G.I., and A.I. VASHKALIS. [Electrodeless copper plating] Khimicheskie metody. Red. A.I.U. Piskopchik, Vilnius, in-1 khimii i khimicheskoi tekhnologii Akad. nauk Lituvskei SSR, 1966. 56 p.

RUSAKOV, K.I., and I.U. I. SYCHILV. [Diamond tools for construction and road machinery; survey of patents] Almaznyi instrument dlia stroitel'nykh i dorozhnykh mashin, obzor patentov. Moskva, NIIinformatsii stroiteldokkommunash, 1966. 56 p. Seriya I. Stroitel'nye i dorozhnye mashiny

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Safety regulations for aluminum electrolysis plants]. Pravila bezopasnosti dlia tsel'nykh elektroliznykh aluminoliznykh. Moskva, Nedra, 1966. 35 p.

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Instructions for the execution and appraisal of work on reinforcement of mine shafts]. Uchebnye i metodicheskie priklady k rabote po umen'sheniu razmerov i raznosu shakhty. SN 340-65. Izd. ofitsial'noe. Moskva, Stroiizdat, 1966. 9 p.

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Instructions for the planning of fencing of territory and lots of enterprises, buildings and structures]. Uchebnye i metodicheskie priklady k rabote po umen'sheniu razmerov i raznosu shakhty. SN 348-66. Moskva, Stroiizdat, 1966. 10 p.

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Instructions on the determination of maximum discharge of enterprises, buildings and structures]. Uchebnye i metodicheskie priklady k rabote po umen'sheniu razmerov i raznosu shakhty. SN 356-66. Leningrad, Gidrometizdat, 1966. 14 p. diagrams, maps (insert).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Instructions on the determination of maximum discharge of enterprises, buildings and structures]. Uchebnye i metodicheskie priklady k rabote po umen'sheniu razmerov i raznosu shakhty. SN 356-66. Leningrad, Gidrometizdat, 1966. 14 p. diagrams, maps (insert).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Boils and nuts with thread diameters over 48 mm, dimensions]. Bolty i gaila s diametrami rez'by bolee 48 mm, razmery. GOST 10602-63 - GOST 10610-63. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1963. 54 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Circular grinding machines, precision norms]. Stanki krugloshlifoval'nye, normy tochnosti. GOST 11654-65. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1966] 43 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Counter-grinding machines, precision norms]. Stanki profil'no-shlifoval'nye, normy tochnosti. GOST 9736-65. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1966] 15 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Domestic gas stoves]. Pilyi bytovye gazovye. GOST 10788-64. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1964] 22 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Electronic hearing aids]. Apparaty slukhovie elektronnye. GOST 10893-64. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1964] 14 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Finishing gear cutters for shafts and holes of slot joints having an involute profile]. Dolbaki zuboreznye chistyve dlia valov i otverstii shakhtykh soedinenii s evol'ventnym profilom. GOST 6762-65. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1966] 24 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Finishing taps for cutting metric threads in circular dies, allowances and working dimensions for threads]. Metchiki chistyve dlia narezanii metricheskoi rez'by v kruglykh plashkakh, dopuski i ispolnitel'nye razmery na rez'bu. MN 5359-64, MN 5360-64. Moskva, Izd-vo Standartov, 1964. 15 p. (SSSR, Normal mashinostroenit).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Hydraulic-turbine driven generators (hydroelectric generators); technical requirements]. Generatory elektricheskie gidroturbinye (gidrogeneratory), tekhnicheskie trebovaniia. GOST 5618-63. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1963] 15 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Instruction 242-57 for checking tachometers, speedometers, and revolution counters]. Instruktia 242-57 po proverke takhometrov, spidometrov i schetchikov oborotov. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1964. 26 p.

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Materials of ceramic radio engineering]. Materialy keramicheskie radio-tekhnicheskie. GOST 5458-61. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1964] 16 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Men's clothing for miners]. Kostium muzhskoi dlia goznoabochkhi. GOST 10396-64. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1964. 15 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Metal-cutting tools, cameras]. Rezhushchii instrument, razverkh. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 62 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Organic direct dyes (scarlet, red 2S, bordeaux, blue light KU, pure blue, green ZhKh, brown KKh, black 3, black 2S, diazo black S)]. Krasiteli organicheskie priimnye (alyi, krasnyi 2S, boi do, sinii svetopochivui KU, chisto-goluboi, zelenyi ZhKh, kochinevyy KKh, chernyi 3, chernyi 2S, diazo chernyi S). GOST 10072-64. Izd. ofitsial'noe. Moskva [Izd-vo Standartov, 1965] 12 p. (SSSR, Gosudarstvennye standarty).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

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RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Pairs of globoidal worm gears]. Pary chervyachnye globoidnye. MN 5440-61. Moskva, Izd-vo Standartov, 1964. 32 p. (SSSR, Normal mashinostroi).

RUSSIA (U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Zinc, methods of chemical analysis]. TSink, metody khimicheskogo analiza. GOST 11604-60 - GOST 11683-60. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1960. 38 p. (SSSR, Gosudarstvennye standarty).

RYZHOV, P.A., and V.M. GUDKOV. [Using mathematical statistics in prospecting for mineral resources]. Priblenenie matematicheskoi statistiki pri razvedke nedr. Moskva, Nedra, 1966. 234 p.

SAMIKHOV, M.M. [Potentialities for lowering expenditures in construction of oil wells, as exemplified by drilling enterprises in Bashkiria]. Rezervy malenkhazhatski v stroitel'stve neflianykh skvazhin, na primere bazovykh predpriiati Bashkiri. Moskva, Nedra, 1965. 167 p.

SAMSONOV, G.V. [Beryllides] Beryllidy. Kiev, Naukova dumka, 1966. 107 p.

SAVITSKII, E.M., and G.S. NURKHANOV. [Physical metallurgy of high-melting metals and alloys]. Metallurgiya tverdykh metallov i spлавov. Moskva, Nauka, 1967. 322 p.

SAVOST'IANOV, D.D. [Construction and repair of calculating machines models 37, 37SM, 38, 38SM, 43SM, and 44SM]. Konstruktsiia i remont vychislitel'nykh mashin modeli 37, 37SM, 38, 38SM, 43SM, 44SM. Izd. 2, pechat. i dop. Moskva, Statistika, 1966. 206 p.

SEMINAR "ALGORTIMIZATSIIA PROIZVOISTVENNYKH PROTSESSOV." [Reports of the Seminar "Algorithmization of Production Processes"] Seminar "Algoritimizatsiia proizvodstvennykh protsessov"; [doklady] Kiev, Naukova dumka. No 7. 1965. 39 p.

SEMINAR "FIZIKO-TEKHNOLOGICHESKII VOPIROSY KIBERNETIKI." [Reports of the Seminar "Physical and Technological Problems of Cybernetics"] Seminar "Fiziko-tekhnologicheskie voprosy kibernetiki"; [doklady] Kiev, Naukova dumka. No 1. 1965. 110 p. No. 1. 1966. 123 p.

SEMINAR "VOPIROSY TEORII ELEKTRONNYKH TSIFROVYKH MATEMATICHESKIIKH MASHIN." [Reports of the Seminar "Problems of the Theory of Electronic Digital Computers"] Seminar "Voprosy teorii elektronnykh tsifrovyykh matematicheskikh mashin"; [doklady] Kiev, Naukova dumka. No. 8. 1965. 84 p. No. 1. 1966. 135 p.

SEMINAR PO ZHAROSTOKIM POKRYTIAM, Leningrad, 1965. [High-temperature coatings, transactions] Vysokotemperaturnye pokrytiia; tudy. Moskva, Nauka, 1967. 223 p.

SEROV, V.I., and G.V. KHMEI'. [Automatic DVK-3 detonation chamber for testing spark proof state of electrical circuits, operating manual]. Avtomaticheskai vzryvnaia kamera tipa DVK-3 dlia ispytaniia elektricheskikh tsapen na iskrebopozapannost'; rukovodstvo po ekspluatatsii. Moskva, In-t gosnagodeliim, A.A. Skochinskogo, 1966. 26 p.

SHALFEEV, S.D. [Regularities of wear and methods of increasing the durability of blanking dies]. Zakonomernosti iznosa i metody povyseniia stolkostoi vyibnykh stamпов. Kazan', Tatarskoe knizhnoe izd-vo, 1963. 86 p.

SHARAPOV, V. [Extrusive method of applying polymer materials on shaped metal products]. Ekstruzionnyi metod nanoseniia polimernykh materialov na metallicheskie profil'nye izdeliia. Riga, Latvskii respublika nauchno-tekhn. informatsii i propagandy, 1966. 6 p. (Izdatok tekhnicheskoi informatsii: Kilmia).

SHAPIRO, D.N. [Designing of transistor radio receivers, a textbook]. Proektirovanie tranzistornykh radio priemnikov, uchebnoe posobie. Leningrad, 1966. Leningr. elektrotekhn. in-t aviatsii, 1966. 100 p.

SHARPOV, V.S. [Mechanization and automatic control in the mining industry]. Mekhanizatsiia i avtomatizatsiia v gornorudnoi promyshlennosti. Alma-Ata, "Kazakhstan," 1965. 126 p.

SHEA, RICHARD FRANKLIN. [Principles of transistor circuits. Translated from the English]. Poluprovodnikovye tridy i ikh primeneniie. Pod obshchimi red. R. Shi. Moskva, Gos. energ. izd-vo, 1957. 287 p. (PU-EI).

- SHIDLOVICH, L. KH. [Differential transformers and their applications] *Differentsial'nye transformatory i ikh primeneniye*. Moskva, Energiya, 1966. 95 p. (Biblioteka po avtomatike, no. 219)
- SHKNEV, A. N. [Damages to construction projects, their causes and means of prevention and elimination] *Avali na stoitel'nykh ob'ektlakh, ikh pichiny i sposoby preduprezhdeniya i likvidatsii*. 2 izd., perer. i dop. Moskva, Stroizdat, 1966. 305 p.
- SHKURA, T. M. [Using the wood of beech branches and treelops in the making of bent furniture] *Ispol'zovanie drevesiny bukovykh such'ev i veishin dlia izgotovleniya izdelii gnutoi mebeli*. L'vov, L'vovskii lesotekhn. in-t, 1958. 18 p. (OrCS)
- SLAVSKII, G. N. [Active RC and RCL filters and selective amplifiers] *Aktivnye RC- i RCL-fil'try i izbratel'nye usiliteli*. Moskva, Svyaz', 1966. 215 p.
- SMOGILEV, K. A., I. V. VOZNESENSKII, and L. A. FILIPPOV. [Microwave receivers] *Radiopriemniki SVCh*. Moskva, Voenizdat, 1967. 555 p.
- SNITKO, N. K. [Structural mechanics] *Stoitel'naya mekhanika*. Moskva, Vysshaya shkola, 1966. 535 p.
- SOKOLOV, K. A., ed. [Manual for operators of machinery engaged in transport construction] *Spravochnik mekhanika transportnogo stoitel'stva*. Izd. 2., perer. i dop. Moskva, Transport, 1966. 639 p.
- SOLOV'EV, B. F. and M. D. SAKHAROV. [New technology of woodworking in the production of parquet boards] *Novaya tekhnika derevoobrabotki v proizvodstve parketnykh dosok*. Moskva, Lesnaya promyshlennost', 1956. 70 p.
- SOVESICHANIE PO AVTOMATIZATSII PROTSESSOV MASHINOSTROENIYA 4th, 1964. [Automatic control of processes of welding and pressure working of metals, transactions] *Avtomatizatsiya protsessov svarki i obrabotki davleniem, [trudy]*. Moskva, Nauka, 1966. 250 p.
- SOVESICHANIE PO EKSPERIMENTAL'NOI TEKHNIKE I METODAM VYSOKOTEMPERATURNYKH IZMERENII, 2d. [Experimental techniques and methods of high-temperature measurements, transactions] *Ekspierimental'naya tekhnika i metody vysokotemperaturnykh izmerenii, [trudy]*. Moskva, Nauka, 1966. 234 p.
- [SOVIET EQUIPMENT FOR LAUNDRY PLANTS] *Otsheistvennoe oborudovanie dlia fabrik-prachechnykh*. [By] V. A. Minayev-Tsikanovskii i dr. Moskva, NIImformatsii strotdorkommuvmash, 1965. 111 p. (Seria 3: Mashiny i oborudovanie dlia kommunalnogo khoziaistva)
- [SPACE ROOF STRUCTURES, a collection of scientific works] *Prostranstvennye konstruktii pokrytiy, sbornik nauchnykh rabot*. Leningrad, Stroizdat, 1966. 97 p.
- STERIN, E. IA. [Advanced equipment and methods for organizing work in assembly of industrial structures in the Latvian S.S.R.] *Progressivnyye prisoobsheniya i peredovye metody organizatsii rabot na montazhe promyshlennykh sooruzhenii Latviskoi SSR*. Riga, Latviski respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 81 p. (Listok tekhnicheskoi informatsii: Stroitel'stvo i stoitel'nye materialy)
- [STORAGE DEVICES CELLS, AND BATTERIES] *Akkumulyatory, elementy i batarei*. Izd. oitislal'noe. Moskva, Izd-vo Standartov, 1965. 211 p. (SSSR, Gosudarstvennye standarty)
- STRIZHEVSKII, L. I., and V. F. ZAKAZNOV. [Industrial fire damping devices] *Promyshlennyye ognepegrazhditeli*. Moskva, Khimika, 1966. 150 p.
- [STUDYING DEFECTS IN THE CRYSTAL STRUCTURE OF METALS AND ALLOYS] *Izuchenie defektov kristallicheskogo stroenia metallov i splavov*. Kiev, Naukova dumka, 1966. 143 p. (Respublikanskiy mezhdunarodnyy sbornik Seriya Metallofizika)
- STUPACHENKO, P. P., V. S. KORENBAUM, and I. N. SVININNIKOV. [Building materials from rocks of the Maritime Territory] *Stroitel'nye materialy iz gornykh porod Primor'ia*. Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1965. 198 p. [MICROFILM]
- [SYSTEMS FOR EXCITATION AND REGULATION OF SYNCHRONOUS MACHINES AND LARGE STATIC CONVERTERS] *Sistemy vozbuzhdeniya i regulirovaniya sinkronnykh mashin i moshchnye staticheskie preobrazovateli*. Moskva, Nauka, 1967. 213 p.
- TAMM, LEITE. [Sanitary standards for handicappers] *Sanitarii mininimum jooksuajelle*. Tallinn, Valgus, 1966. 43 p. [In Estonian]
- TARGO, EDGAR. [Mechanical drawing in machine building] *Tehniline joonestamine masinaehituse orinial*. Tallinn, Valgus, 1965. 108 p. [In Estonian]
- [TECHNOLOGICAL HANDBOOK] *Tehniska i oksnigamata*. Riga, Latvijas Valsts Izdevnieciba [In Latvian]. Pt. 2. Saadajusi Latvijas Valsts Universitates mehanikas fakultates macibu speki. Redigēja V. Ivonovskis. 1957. 923 p.
- TIAMSHANSKII, N. D. [Economics and the organization of research work in machinery manufacturing] *Ekonomika i organizatsiya nauchno-issledovatel'skikh i rabot v mashinostroenii*. Leningrad, Mashinostroenie, 1967. 194 p.
- TIKHONIUK, I. O., and G. N. SHILYGIN. [Mock-up method of designing; experience in planning enterprises for the oxygen industries] *Model'no-makelnyy metod proekhtirovaniya, opyt proekhtirovaniya predpriyatiy kislorodnoi promyshlennosti*. Moskva, Stroizdat, 1966. 145 p.
- [TIME-MULTIPLEXED REMOTE CONTROL SYSTEMS USING MAGNETIC AND ELECTRONIC COMPONENTS] *Vremennyesistemy teleupravleniya na magnitnykh i ionnykh elementakh*. [By] V. N. Tulevich i dr. Moskva, Energiya, 1966. 190 p. (Biblioteka po avtomatike, no. 205)
- TOOMASPOIG, J. [What does the rapid growth of power engineering give our republic?] *Mida annab Vabariigi energeetika kiire kasv*. Tallinn, Valgus, 1966. 21 p. (NLKP XXIII kongressi abustab) [In Estonian]
- TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT INFORMATSII I TEKHNIKO-EKONOMICHESKIIH ISSEDOVANIY CHIRNOI METALLURGI. [Ferrous metallurgy in capitalist countries] *Chernaya metallurgiya kapitalisticheskikh stran*. Moskva, Chernmetinformatsii. [Pt. 6. Prodolzhenie] Leyn, E. B. [By-product coke industry] *Koksokhimiicheskoe proizvodstvo*. 1966. 484 p.
- TSIKOL', D. N., M. P. GRACHEVA, and A. M. IAMPOL'SKII. [Noncyanide electrolytes for bright zinc plating] *Netsiyanidnye elektrolity blestiashego tsinkovaniya*. Leningrad, 1966. 15 p. (Leningradskii dom nauchno-tekhnicheskoi informatsii: Peredovoi proizvodstvennyi opyt: Seriya: Uchenie kachestva, povysheniye na-dezhnosti i dolgovechnosti mashin, priborov i dnykh promyshlennykh izdelii)
- TURANOV, A. V. [Efficiency promotion and inventions in fire prevention] *Ratsionalizatsiya i izobretatel'stvo v pozarnoi okhrane*. Moskva, Stroizdat, 1966. 87 p.
- TURULOV, N. A. [New methods of metal machining] *Met pilyeny obrabotki metalia*. [Moskva] Mosk, rabochii, 1966. 79 p.
- VARAKIN, I. M., K. S. KLYKOV, and V. B. PRELOVSKII. [Means for the automation of sawmilling and wood-working production] *Sredstva avtomatizatsii lesopil'no-derevoobrabatvalushchikh proizvodstv*. Moskva, Lesnaya promyshl., 1967. 354 p.
- VASIL'EV, V. V., A. N. KLEPIKOVA, and A. G. TIMOSHENKO. [Solution of problems in optimal planning using analog computers] *Rushenie zadachi optimal'nogo planirovaniya na elektronnykh modelyakh*. Kiev, Naukova dumka, 1966. 163 p.
- VENIKOV, V. A., ed. [Transient processes in electrical systems with examples and illustrations] *Perokhodnye protsessy elektricheskikh sistem v primerakh i illiustratsiyakh*. [By] N. D. Anisimov i dr. Izd. 2., dop. Moskva, Energiya, 1967. 455 p.
- VESELOV, I. V., and A. V. EGLITS. [Using magnetohydrodynamic floating pump in conveying liquid zinc] *Transport zhidkogo tsinka pri pomoshchi magnitnogo dinamicheskogo nasosa plavalushchego tipa*. Riga, Latviski respubl. nauchno-tekhn. in-t, 1966. 28 p. (Listok tekhnicheskoi informatsii: Mashinostroenie i priborostroenie)
- VOLCHIK, V. G. [Production and use of lightweight concrete aggregates in the White Russian S.S.R.] *Proizvodstvo i primeneniye legkikh iskusstvennykh zapolnitelei betonov v BSSR*. Minsk, Belarus', 1965. 53 p. (Peredovoi opyt - dostizheniya nauchy)
- VOROB'EV, D. A., and V. M. SAKHAROV. [Ruberoide machinery; a survey] *Ruberoidnye agregaty; opyt*. Moskva, NIImformatsii strotdorkommuvmash, 1965. 62 p. (Seria 2. Oborudovanie dlia promyshlennosti stoitel'nykh materialov)
- VOSKANIAN, V. A. [Advanced drainage construction, experience of Trust No. 102 of the Glavleningradstroi] *Progressivnaya konstruktivnaya drenaia, opyt trusta No. 102 Glavleningradstroia*. Leningrad, 1966. 25 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt, Seria: Stoitel'noe proizvodstvo)
- VOSTOCHNYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT PO BEZOPASNOSTI RABOT V GORNOI PROMYSHLENNOSTI. [Instruction on dust control by methods of preliminary wetting of coal seams] *Instruktsiya po boi'be z pyl'mu metodom predvaritel'nogo vlazhneniya ugol'nykh plastov*. Moskva, Nedra, 1966. 75 p.
- VSESOIYZNOE NAUCHNO-TEKHNIICHESKOE SOVESICHANIE PO PRISADKAM K MINERAL'NYM MASHINAM. 2d, 1966. [Oil additives, transactions] *Prikladnii k mashinam, trudy*. Pod red. S. I. Krola i dr. Moskva, Khimika, 1966. 309 p.
- [WAYS OF INCREASING DURABILITY AND LIFE OF BUILDING MATERIALS AND STRUCTURAL ELEMENTS] *Puti povysheniya stoikosti i dolgovechnosti stoitel'nykh materialov i konstruktii*. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1966. 225 p.
- ZAIMOVSKII, A. S., V. V. KALASHNIKOV, and I. S. GOLOVIN. [Fuel elements for atomic reactors] *Toplivnye elementy atomnykh reaktorov*. Izd. 2., perer. i dop. Moskva, Atomizdat, 1966. 619 p.
- ZAKIS, J. [Microminutization in radioelectronics] *Mikrominutatsiya v radioelektronike*. Riga, Liecma, 1966. 50 p. [In Latvian]
- ZARIPOV, I. KH. [Birth of a record; story of deeds and people of the progressive crew of Anatoli Zhuravskii, drilling foreman of Aznakhayev drilling office] *Rozhdenie rekorda, i naskaz o delakh i liudakh peredovoi brigady burovogo mastera Aznakhayevskoi kontory buvaniya Anatolia Zhuravskogo*. Kazan', Tatarskoe knizhnoe izd-vo, 1961. 31 p. (Biblioteka neftianika)
- ZEMSKII, A. A. [Aid to the concrete carter, manual for increasing the skill of workers in the Housing Construction Combine] *V pomoshch' betonshchikam formovshchikam: posobie po povysheniiu masterstva rabochikh BSK*. Leningrad, Stroizdat, 1966. 80 p.
- ZIUKHOVSKII, M. K. [Theory and design of instruments with sealed piston] *Teoriya i raschet priborov s neploptennym porshnem*. Izd. 2., perer. i dop. Moskva, Izd-vo Standartov, 1966. 330 p.
- ZOTOV, V. A. [Cutting apparatus of machines for pruning shrub hedges] *Rozheshchito apparaty mashin dlia podrezki kustarnikovykh izгородov*. Moskva, NIImformatsii strotdorkommuvmash, 1965. 52 p. (Seria 3: Mashiny i oborudovanie dlia kommunalnogo khoziaistva)

## 17. MILITARY &amp; NAVAL SCIENCES

- AKIMOV, P. P. [History of the development of marine power plants] *Istoriya razvitiya sudovykh energeticheskikh ustanovok*. Leningrad, Sudostroenie, 1966. 187 p.
- ANDLENKO, S. [Chest insignia of the Russian Army] *Nagrudnye znaki Russkoi Armii*. Paris, Tanais, 1966. 227 p. (NIC)
- BRUK, V. S. [Mounted ship tanks] *Sudovye vkladnye tsislery*. Leningrad, Sudostroenie, 1966. 128 p.
- GAVRILOV, F. K. [Organization and planning of instruction. Study of regulations] *Organizatsiya i planirovaniye obucheniya, izuchenie uslov*. Moskva, Voenizdat, 1966. 201 p. (Posobie po obucheniui metodogo zhidia, no. 1)
- GREBEL'SKII, P. KH., and M. KH. REZNIK. [Mechanization of finishing operations in hull construction] *Mekhanizatsiya korpusno-dosirochnykh rabot*. Leningrad, Sudostroenie, 1966. 310 p.

GUROV, F. T. [Practice of correcting and determining the deviation] Praktika ispravleniya i opredeleniya devyatiy. Moskva, Transport, 1966. 199 p. (Biblioteka naukoobitatelya morskogo flota)

IRKHIN, A. P. [ed.] [Organization of the work of the fleet and the ports] Organizatsiya raboty flota i portov. [By] A. P. Irkhin i dr. Moskva, Transport, 1966. 327 p.

KOROL', NESTOR. [Ukrainian Cossacks, ancestors of the Muscovite Cossacks] Ukrainskiy kozatskiy rodonachal'nyy inzhov i ushiy i Moskov-Rosii. New York, 1961. 96 p. (Nashaya tovarystvo im. T. Shevchenka. Biblioteka ukrainoznaniya [13])

KRASHVITSKY, B. I. [Instruments and methods of nautical astronomy] Instrumenty i metody morekhodnoy astronomii. Moskva, Transport, 1966. 88 p. (Biblioteka naukoobitatelya morskogo flota)

KUTANIN, P. I. [Potentialities of increasing labor productivity in the merchant marine] Rezervy povysheniya proizvoditel'nosti truda na morskoy flote. Pod red. R. S. Reza. Moskva, Transport, 1966. 68 p. (Ekonomika i ekspluatatsiya morskogo transporta)

IOSHCHILOV, A. K. [Fire training] Ognevaia podgotovka. Moskva, Voenizdat, 1966. 170 p. (Posobie po obucheniю mladogo soldata, no. 3)

MIKULINSKIY, E. A. [Preventing collisions of ships at sea] Preduprezhdenie stolknoveniy sudov v more. Moskva, Transport, 1966. 134 p. illus.

[NAVAL FORCES IN A FUTURE WAR, a collection of translated articles] VMS v budushchei voine, sbornik perevodnykh statei. Predisl. A. T. Chabanenko. Moskva, Voen. izd-vo M-vn obozroy SSSR, 1961. 301 p. (CaOTU)

OBRIADCHIKOV, G. IA. [Electric lighting equipment of ships, maintenance and care] Sudovoe elektrosnabzheniye osveshcheniya, obsluzhivaniye i ukhod. Moskva, Transport, 1966. 45 p.

POLIAKOVA, I. P. [Those who look ahead] Vperedsmotritel'schie. Frunze, "Kyrgyzstan," 1964. 32 p. (Uchil'sia rabotat' i zhit' po-kommunisticheski)

RUSSIA (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulation on the planned preventive repair of sea and river ports, navigation and ship lifting hydraulic structures] Polozheniye o planovom planovno-predupreditel'nogo remonta morskikh i rechnykh portovykh, sudokhodnykh i sudopod'emnykh gidrotekhnicheskikh sooruzhenii. Izd. offtsiat'mos. Moskva, Stroiizdat, 1966. 58 p.

RUSSIA (U.S.S.R.) Ministerstvo oborony. [Manual on machine guns, the 7.62 mm Kalashnikov submachine gun (AK)] Nastavleniye po strelkovomu delu, 7.62-mm avtomat Kalashnikova (AK). Izd. 3, 1964 i dop. Moskva, Voenizdat, 1967. 171 p.

TSENTRAL'NYI MUZEI VOORUZHENIY SSSR. [A guide to the Central Museum of Armaments of the U.S.S.R.] Putevoditel'. Moskva, Voenizdat, 1965. 210 p. illus. (MH)

VYSOTA, I. I. [Automated marine steam engines; design, theoretical foundations, and operation] Avtomatizirovannye sudovye parovye mashiny, konstruktivnyye osnovaniya i ekspluatatsiya. Moskva, Transport, 1966. 477 p.

ZOTFEV, I. S., b. G. LUDCHENKO, and P. K. TIMOFEEV. [New marine electric navigation instruments] Novye morskoe elektromagnitnyye pribory. Moskva, Transport, 1966. 163 p. (Kniha usovershenykh i plavushaya MMF)

An asterisk (\*) appearing before a periodical title indicates that it is available in full English translation. For publishers of such translated periodicals, their subscription prices, etc., see listing at end of this issue

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- AKADEMIA NAUK KIRGIZSKOI SSR, Frunze, Izvestia [ACADEMY OF SCIENCES OF THE KIRGIZ S.S.R. Bulletin]. Frunze, no. 2, Sep.-Oct. 1966.
- Table of contents translated:
- Bykov, I. A., Bakashev, A. I. - Iterative equations of heat conductivity; derivation of the solutions to boundary value problems for a half space. p. 3.
- Shvalko, N. Yu. - Equations describing the elastoplastic state of a linear anisotropically elongated medium. p. 12.
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- AKADEMIA NAUK MOLDAVSKOI SSR, Izvestia [ACADEMY OF SCIENCES OF THE MOLDAVIAN S.S.R. Bulletin]. Kishinov, no. 3, 1966, Series in the Social Sciences.
- Table of contents translated:
- Chervinskii, V. F. - Basic problems in the development and distribution of the productive forces of the Moldavian S.S.R. p. 3.
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#### No 3, 1965, Paleontology and stratigraphy.

- Table of contents translated.
- Negadaev-Nikonov, K. N. - Paleontological studies in Moldavia in connection with problem of geochronology, paleogeography, and characteristics of development of organisms. p. 3.
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#### AKADEMIA NAUK SSSR, Yakutskii filial, Yakutsk. Nauchnye soobshcheniya [ACADEMY OF SCIENCES OF THE U.S.S.R. Yakut Branch, Scientific Reports]. Yakutsk, no. 8, 1962, Biology.

- Table of contents translated;
- Dobretsova, L. A. - Vegetation of Zhigansk District. p. 3.
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#### AKADEMIA NAUK TURKMENSKOI SSR, Ashkhabad.

- Izvestiya. Seriya obshchestvennykh nauk [ACADEMY OF SCIENCES OF THE TURKMEN S.S.R. Bulletin, Series in the Social Sciences]. Ashkhabad, no. 5, 1966.
- Table of contents translated.
- Vaslanin, N. I. A. - The role of the Communist Party of Turkmenistan in the development of geological research and prospecting in the petroleum industry of Turkmenistan in 1933-1940. p. 3.
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#### AKADEMIA NAUK BSSR, Minsk. Vestnik. Seriya humanitskikh nauk [ACADEMY OF SCIENCES OF THE WHITE RUSSIAN S.S.R. Bulletin, Series in the Social Sciences]. Minsk, no. 4, 1966.

- Table of contents translated:
- Boisovskiy, M. I. - The criterion of morality in Marxist-Leninist ethics. p. 5.
- Ilyin, V. V. - The Contradictions of spiritual continuity. p. 13.
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#### BIULETEN' MEZHODUNARODNYKH NAUCHNYKH SIMPOZIOV, KONFERENTSIY I KONGRESSOV [BULLETIN OF INTERNATIONAL SCIENTIFIC MEETINGS, CONFERENCES, AND CONGRESSES]. Issued by Otdel mezhdunarodnykh svyazey i informatsii Vsesoyuznogo instituta nauchnoi i tekhnicheskoi informatsii Akademii nauk SSSR [Department of International Relations and Information of the All-Union Institute of Scientific and Technical Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 11(73), 1966.

#### GORKIY, UNIVERSITET. Uchenye zapiski [UNIVERSITY. Studies. No. 50, 1959.

- Table of contents translated.
- Suvorov, P. A. - Studying biological characteristics of the strains of Gamoderma applanatum (Pers. Pat) from various trees. p. 4.
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#### IRKUTSK, UNIVERSITET. Trudy [UNIVERSITY. Transactions]. Vol. 38, no. 4, 1965.

- Table of contents translated.
- Petrov, L. A., Makarov, A. S., Polillov, V. P. - The Soviet public and some philosophical problems in industry, science, and technology. p. 5.
- Petrov, L. A. - Philosophical views of Dorzhi Banzarov. p. 25.
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- LEVIN, UNIVERSITY. Naukovy zapysky [UNIVERSITY. Studies]. Vol. 18, no. 1, 1959.
- Table of contents translated.
- Kornilov, O. P. - Zoological Museum of the Kiev State University, on the 40th anniversary of the Great October. p. 5.
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- LATVIAN PEOPLE'S SOCIALIST REPUBLIC. ZINATNU AKADEMIJA Vēstis Latvian Akademiskā Latvian SSR [ACADEMY OF SCIENCES OF THE LATVIAN SSR Bulletin]. Riga, no. 12(233), 1967.
- Table of contents translated.
- IAPP, I. A. - Main characteristics of Polinear group extensions. Part I. p. 7.
- Braun, M. A. - Gauge in balance and infrared characteristics of Green's functions of electrons. p. 19.
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- Vol. 21, no. 23, 1966. Seriya ekonomiki, filosofii i prava [Series in Economics, Philosophy, and Law]. no. 4.
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- MOSCOW, MOSKOVSKII GOSUDARSTVENNYI PEDAGOGICHESKII INSTITUT. Uchenye zapiski [MOSCOW STATE PEDAGOGICAL INSTITUTE. Studies]. No. 152, 1960.
- Table of contents translated.
- Iren'eva, N. F. - The past perfect as an element of style in the language of English literature. p. 6.
- Kruchkova, L. D. - The past perfect in the English language from the 8th to the 17th century. p. 24.
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- MUNICIPII. UKRAINS'KYI VIL'NYI UNIVERSYTET. Naukovy zapysky [UKRAINIAN FREE UNIVERSITY. Studies]. No. 3, 1963, 1968.
- Table of contents translated.
- Barbekov, Kh. M. - Higher education in the Kabardin-Balkar A. S. S. R. p. 5.
- Tkhanikov, N. Kh. - Socioeconomic and political system of the Balkars in the 18th century. p. 22.
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- ONSHCHISTVENNYE NAUKI V UZBEKISTANE [SOCIAL SCIENCES IN UZBEKISTAN]. Issued by Akademika nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S. S. R.]. Tashkent, vol. 11, no. 1, 1967.
- Table of contents translated.
- PERM, PEDAGOGICHESKII INSTITUT. Uchenye zapiski [PEDAGOGICAL INSTITUTE. Studies]. Vol. 32, 1965.
- Catalytic transformation of organic compounds.
- Table of contents translated.
- Kozlov, N. S., Pastornik, V. Sh. - Catalytic interaction of nitrobenzene with methyl alcohol and dimethyl ether. p. 3.
- Kozlov, N. S., Mal'kova, N. K. - Preparation of alkylated amines from nitroaromatic and aldehydes. p. 10.
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- SAMARKAND. GOSUDARSTVENNIY UNIVERSITET.**  
Trudy [STATE UNIVERSITY. Transactions], No. 95, 1959.
- Table of contents translated
- Rolzenon, L. I., Avallani, I. U. - Remarks on the theory of phraseology, formation of phrases and phraseological units in languages. p. 3.
- Isol, A. A. - Structure of prepositional-noun phrases. p. 10.
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- \* SOVETSKAYA ANTARKTICHESKAYA EKSPEDITSIA,**  
1955-1958. Informatsionnyi bulletin [SOVIET ANT-ARCTIC EXPEDITION, 1955-1958, Information Bulletin]. Leningrad, no. 28, 1961.
- Table of contents translated
- Sytnitski, A. D. - Relationship between tectonics and solar activity. p. 5.
- Voronov, P. S., Krylov, A. I. A. - Age of the oldest rocks of Antarctica. p. 22.
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- No. 29, 1961.
- Table of contents translated:
- Decree of the Presidium of the Supreme Soviet of the U. S. S. R. concerning the award of orders and medals of the U. S. S. R. to outstanding Antarctic explorers. p. 5.
- Konstantinov, E. S. - Fifth Antarctic Expedition. p. 16.
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- Bibliography. p. 65.
- SOVREMENNAYA KITAYSKAYA LITERATURA PO OB- SHCHESTVENNYM NAUKAM**, referativnyi sbornik [CONTEMPORARY CHINESE LITERATURE ON THE SOCIAL SCIENCES, Journal of Abstracts]. Issued by Fundamental'naya biblioteka obshchestven-nykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U. S. S. R.]. Moscow, no. 42, 1961.
- Table of contents translated
- Sikacheva, R. N. - "Formation of Sun Yat-sen's revolu- tionary views and the foundation of the Society for the Renaissance of China" by Chin Ch'ung-chi, Hung Sheng-wu. Abstract from "Li shih yen chiu" no. 5, 1960. p. 25.
- Tutov, I. I. - "The anti-imperialistic fight of the I Ho Tuan in Tientsin and in Szechwan Province." Abstract of articles from "Li shih chiao chuen" for 1960. p. 30.
- Zaitseva, S. I. - "Character of the Taiping Rebellion" by Wang Ch'en-jou. Abstract from "Wu hang lah sueh jonwan k'ahsueh hueh plao" no. 8, 1959. p. 36.
- Kudin, V. I. - "Yuan Ch'ung-huan's patriotic ideas" by Ya Kung. Abstract from "Shih hueh yueh k'ian" no. 3, 1960. p. 43.
- Zaitseva, S. I. - "Character of the uprising at the end of the Yuan period and the role of Chinese land-owners in this uprising" by Kuan Wen-fa. Abstract from "Wu hang lah huen jen wan k'ia hueh hueh niao" no. 8, 1959. p. 46.
- Sikacheva, R. N. - "Development of agriculture in the lower reaches of the Yangtze River in the period of the Sui and Tang dynasties" by Shih Nien-hsi. Abstract from "Jen wen ta chih" no. 1, 1960. p. 68.
- Rubin, V. A. - "Research on the Hang bamboo tablets found in Chuyang" by Chen Kung-jou, Iau P'ing-fang. Abstract from "K'ao ku" no. 1, 1960. p. 72.
- Kudin, V. I. - "Character of the wars between the Ch'ang peoples and the western Han Empire" by Ch'en K'uei. Abstract from "Li shih chiao chuen" no. 7, 1960. p. 79.
- Rubin, V. A. - "Some peculiarities of the history of the late period of primitive society in China" by Tung Chu-ch'en. Abstract from "K'ao ku" no. 5, 1960. p. 84.
- Kudin, V. I. - "The role of revolutionary ideas in the peasant wars in China and their connection with religion" by Yang K'uang. Abstract from "Tsueh shu yueh k'ian" no. 7, 1960. p. 90.
- Kholmovskaya, T. N. - "Periodization of the history of Chinese literature" by Ts'ao Tao-heng. Abstract from "Wen hueh ping lun" no. 1, 1960. p. 97.
- Kholmovskaya, T. N. - "History of modern Chinese literature." Abstract from "Wen hueh ping lun" no. 6, 1959. p. 107.
- SVERDLOVSK. GOSUDARSTVENNIY PEDAGOGICHE- SKII INSTITUT.** Uchenye zapiski [STATE PEDAGOGICAL INSTITUTE, Studies]. No. 35, 1960. The building of communism and the formation of the new man.
- Table of contents translated
- Diacheva, G. I. - The concept of "social environment" and its role in the development of personality. p. 3.
- Ishnev, M. V. - The change of employment and its role in the all-round development of the employees of industrial enterprises. p. 18.
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- Kudin, A. K. - Dialectical transition and dialectical contradictions. p. 190.
- TASHKENT. UNIVERSITET.** Nauchnye trudy [UNIVER- SITY. Studies]. No. 210, 1962. Biology.
- Table of contents translated
- Abdullaev, Kh. A. - Soils of the "Druzba" State Farm in the Golodnaya Steppe. p. 3.
- Arutimova, L. G., Musayev, D. A. - Effect of ionizing radiation on the variability of cotton. p. 43.
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- Ryzhov, S. N., Saakians, K. B. - Fertility and classifica- tion problems of the irrigated lands of Central Asia. p. 187.
- TASHKENT. UNIVERSITET.** Trudy [UNIVERSITY. Trans- actions]. No. 278, 1960. Kommunisticheskaia partiia - organizator soiziza rabochego klassa i krest'iansvom [The Communist Party as organizer of the alliance of the working class and peasantry].
- Table of contents translated
- Orazimbetov, Sh. O. - The alliance of the working class and peasantry is a decisive factor in the strug- gle of the building of socialism and communism. p. 5.
- Khaiin, V. P. - The October Socialist Revolution and strengthening the alliance of the working class and peasantry in Turkestan. p. 10.
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- Pak, D. N. - Efforts of the Communist Party of Uz- bekistan to strengthen the alliance of the working class and peasantry during the completion of the socialist reconstruction of the national economy, 1933-1937. p. 43.
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- Dmitrieva, S. A., Abdurakhmanov, A., Dzhagimov, I. I. - History of the struggle of the Communist Party of Uzbekistan for further strengthening the alliance of the working class and collective farm peasantry, 1945-1958. p. 70.
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- TIFLIS. UNIVERSITET.** Trudy [UNIVERSITY. Trans- actions]. Vol. 112, 1965. Seriya ekonomicheskikh nauk [Series in the Economic Sciences], no. 4.
- Table of contents translated
- Garschava, P. R. - A new upsurge in the chemical industry of the U. S. S. R. p. 7.
- Tkeshelashvili, N. M. - Basic problems of the economic development of Georgia in V. I. Lenin's work. p. 21.
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- TOMSK. UNIVERSITET.** Trudy [UNIVERSITY. Trans- actions]. Vol. 150, 1965. Voprosy istorii Sibiri [Problems in the history of Siberia], no. 2.
- Table of contents translated
- Borodavkin, A. P., Rabl'novich, G. Kh., Sukhotina, L. G. - Characteristics of the development of capitalism in Siberia, from 1861 to the middle 1890's. p. 3.
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- Vol. 182, 1985. Voprosy geometricheskoi teorii funktsii [Problems in the geometrical theory of functions], no. 3.
- Table of contents translated:
- Baklanov, M. V., Suvorov, G. D. - Closed state of some classes of mappings with respect to uniform convergence. p. 3.
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## b. POPULAR MAGAZINES

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- BELARUS [WHITE RUSSIA].** Organ of Saluz plamennikau BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 24, no. 3(260), Mar. 1967.
- BLAZOZKA [THE LITTLE BIRCH].** Issued by Tsentral'nyi komitet Leninskogo kommunisticheskogo soyuza molodi Belarusi and Respublikanskii Sovet pionerskoi organizatsii imeni V.I. Lenina [Central Committee of the White Russian Communist Youth League of Lenin and the Republic Council of Lenin Pioneers]. Minsk, vol. 43, no. 2, Feb. 1967.
- ILIM ZHICHNE FIDBFK [SCIENCE AND WORK].** Issued by Central Committee of the Lenin Communist Youth League of Kazakhstan and the Republic Council of Lenin Pioneers. Alma-Ata, nos. 2(74)-12(84), Feb. - Dec. 1966. [In Kazakh]
- ADZIS [THISTLE].** Riga, nos. 3(243)-4(244), 1967. [In Latvian]
- RUZHDNO VPERED [FORWARD TOGETHER].** Issued by Kul'turna apilka ukrains'kykh trudiashchikh Chekhoslovacheyev [Cultural Association of the Ukrainian Workers of Czechoslovakia]. Presov, vol. 17, nos. 1(222), 3(224), Jan., Mar. 1967. [In Ukrainian]
- VDIA [INDIA].** Issued by Posol'stvo Respubliki Indii v Moskve [Embassy of the Republic of India in Moscow]. Moscow, no. 3, [1966].
- APKAN, chuvanskii satiricheskii zhurnal [TRAP; Chuvash Satirical Magazine].** Chelokasary, no. 4(517), Feb. 1967. [In Chuvash]
- HORPUSHAK [HEDONISM].** Dushanbe, nos. 1(321)-3(323), Jan. - Feb. 1967. [In Tajik]
- ITAI [CHINA].** Published by Izdatel'stvo literaturny na inostrannykh yazykakh [Publishing House for Literature in Foreign Languages]. Peking, nos. 1-2, 1967.
- STER [CAMPFIRE].** Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin and others]. Leningrad, no. 2, Feb. 1967.
- ROKODIL [CROCODILE].** Issued by gazeta [Newspaper] "Pravda." Moscow, vol. 45, nos. 6(1836)-7(1837), Feb. - Mar. 1967.
- RYLATI [THE WINGED ONES].** Issued by Tsentral'na uprava SUM [Central Committee of the Ukrainian Youth Association]. New York, vol. 4, no. 12, Dec. 1966.
- IL'TURA I ZHIZN' [CULTURE AND LIFE].** Issued by Soluz sovetskikh obshchestv družby i kul'turnoi svyazi s zarubezhnyimi stranami [Union of Soviet Societies for Friendship and Cultural Relations with Foreign Countries]. Moscow, vol. 11, no. 3, Mar. 1967.
- IL'TUR JA ELU [CULTURE AND LIFE].** Issued by Eesti NSV Kultuuriministeerium and Eesti NSV Ametihalguse Nõukogu [Ministry of Culture of the Estonian S.S.R. and the Council of Trade Unions of the Estonian S.S.R.]. Tallinn, vol. 10, nos. 2-3, Feb. - Mar. 1967. [In Estonian]
- LIESMA [FLAME].** Issued by Latvijas LKSJ Centrālā Komiteja [Central Committee of the Lenin Communist Youth League of Latvia]. Riga, no. 2(107), Feb. 1967. [In Latvian]
- MEDENIET ŽIENE TURMYS [CULTURE AND LIFE].** Issued by Ministerstvo kultūry Kazakhskoi SSR [Ministry of Culture of the Kazakh S.S.R.]. Alma-Ata, no. 2(101), Feb. 1967. [In Kazakh]
- NOORUS [YOUTH].** Issued by Eestiinnu Leninliku Kommunistliku Noorsooühingu Keskkomitee [Central Committee of the Lenin Communist Youth League of Estonia]. Tallinn, vol. 22, nos. 2(244)-3(245), Feb. - Mar. 1967. [In Estonian]
- NOVOSTI AMERIKANSKOI KULTURY [NEWS OF AMERICAN CULTURE].** Issued by Amerikanskoe posol'stvo [U.S. Embassy]. Moscow, no. 57, [n.d.]
- OGONEK [THE LITTLE LIGHT].** Moscow, vol. 45, nos. 7(208)--11(2072), 13(2074), Feb. - Mar. 1967.
- OYVD. HORIZON.** Published by Mykola Denysak Publishing Co. Chicago, vol. 17, nos. 3(138)-4(139), July-Dec. 1967, vol. 18, no. 1(140), Jan. - Mar. 1967.
- PERETS' [PEPPER].** Issued by Vydavnytstvo [Publishing House] "Radnits'ka Ukraina." Kiev, nos. 3(757)-4(758), Feb. - Mar. 1967.
- PIONER [PIONEER].** Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi and Tsentral'nyi sovet Vsesoyuznoi pioners'koi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, nos. 2-3, Feb. - Mar. 1967.
- PIONER [PIONEER].** Davaan, no. 1, Jan. 1967. [In Armenian]
- PIONER [PIONEER].** Issued by the Central Committee of the Turkmenistan Communist Youth League of Lenin. Ashkhabad, no. 1, Jan. 1967. [In Turkmen]
- PIONERIA [PIONEERS].** Issued by Tsentral'nyi komitet Lenins'kogo kommunisticheskogo soyuza molodi Ukrainy and Respublikanskaya Rada Vsesoyuznoi pioners'koi organizatsii imeni V.I. Lenina [Central Committee of the Ukrainian Communist Youth League of Lenin and the Republic Council of the All-Union Lenin Pioneers]. Kiev, vol. 44, no. 2(520), Feb. 1967.
- POL'SHA [POLAND].** Warsaw, no. 3(151), 1967.
- RT; obshchestvenno-politicheskii ilustrirovannyi ezhe-nedel'nik [RT, Socio-political Illustrated Weekly].** Issued by Komitet po radioveshchaniyu i televideniyu pri Soveto Ministerov SSSR [Committee for Radio Broadcasting and Television, Attached to the Council of Ministers of the U.S.S.R.]. Moscow, nos. 9(39)-11(41), 1967.
- RABOCHE-KREST'YANSKII KORRESPONDENT [WORKERS' AND PEASANTS' CORRESPONDENT].** Published by Izd-vo [Publishing House] "Pravda." Moscow, no. 3, Mar. 1967.
- RANOK [MORNING].** Issued by TsK LKSM Ukrainy [Central Committee of the Lenin Communist Youth League of the Ukraine]. Kiev, vol. 14, no. 2(160), Feb. 1967.
- RODNYE DALI [BELOVED VISTAS].** Hollywood, Calif., nos. 156-157, Mar. - Apr. 1967.
- ROVESNIK [CONTEMPORARY].** Issued by TsK VLKSM and Komitet molodezhnykh organizatsii SSSR [Central Committee of the All-Union Communist Youth League of Lenin and the Committee of Youth Organizations of the U.S.S.R.]. Moscow, vol. 8, nos. 1(53)-2(56), Jan. - Feb. 1967.
- SEL'SKAA MOLODEZH' [RURAL YOUTH].** Issued by TsK VLKSM [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, no. 2, Feb. 1967.
- SHMEL' [BUMBLEBEE].** Alma-Ata, vol. 11, no. 2(133), Feb. 1967. [In Kazakh]
- SKYNTAIA LENINISTE [LENINIST SPARK].** Issued by Moldavian Communist Youth League of Lenin. Kishinev, vol. 37, no. 1, Jan. 1967. [In Moldavian]
- SLUOTA [THE BROOM].** Issued by Lietuvos Komunistų partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, nos. 3(288)-5(300), 1967. [In Lithuanian]
- SOGLASIE [CONCORD].** Los Angeles, Calif., vol. 16, nos. 184, 187, Jan. - Apr. 1967.
- SOTSIALISTYCHNA KULTURA [SOCIALIST CULTURE].** Organ of Ministerstvo kultury USSR [Ministry of Culture of the Ukrainian S.S.R.]. Kiev, no. 3, Mar. 1967.
- SOVETSKII SOIUZ [SOVIET UNION].** Moscow, nos. 3(205)-4(206), 1967.
- SOVREMENNAYA MONGOLIYA [CONTEMPORARY MONGOLIA].** Ulan Bator, vol. 11, no. 1(106), Jan. 1967.
- SVOBODNOE SLOVO, ezheмесячный karpato-russkii zhurnal [FREE WORD, Carpatho-Russian Monthly].** New York, vol. 8, no. 11 '12 (95-98), 1966.
- SVYTURY [THE LIGHTHOUSE].** Vilnius, vol. 19, no. 2(435), Jan. 1967. [In Lithuanian]
- TURIST [TOURIST].** Issued by VTSPS [All-Union Central Council of Trade Unions]. Moscow, vol. 2, no. 2, 1967.
- UKRAINA [THE UKRAINE].** Published by Vydavnytstvo "Radnits'ka Ukraina" [Publishing House "Soviet Ukraine"]. Kiev, vol. 26, nos. 7(527)-10(530), Feb. - Mar. 1967.
- URAL'SKII SLEDOPIYT [URAL PATHFINDER].** Issued by Sverdlovskoe otdelenie Soyuza pisatelei i Sverdlovskii piomyshlennyi sel'skii obkomy VLKSM [Sverdlovsk Branch of the Association of Writers and the Sverdlovsk Province Industrial and Agricultural Committees of the All-Union Communist Youth League of Lenin]. Sverdlovsk, vol. 10, nos. 1-2, Jan. - Feb. 1967.
- UZBEKISTON [UZBEKISTAN].** Tashkent, vol. 26, no. 1(301), Jan. 1967.
- VESELKA. THE RAINBOW.** Published by Ukrainian National Association. Jersey City, vol. 14, no. 3(151), Mar. 1967.
- VOZHATYI [PIONEER GUIDE].** Published by Tsentral'nyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi and Tsentral'nyi sovet Vsesoyuznoi pioners'koi organizatsii imeni V.I. Lenina [Central Committee of the All-Union Communist Youth League of Lenin and the Central Council of the All-Union Lenin Pioneers]. Moscow, vol. 43, no. 2, Feb. 1967.
- VSESVIT. THE WORLD.** Issued by Spilka pys'mennykh Ukrainy and Ukrain'ske tovarystvo družby i kul'turnoho z'v'azku z zarubizhnyimi krajinami [Association of Writers of the Ukraine and the Ukrainian Society for Friendship and Cultural Relations with Foreign Countries]. Kiev, vol. 10, no. 3(105), Mar. 1967.
- VYZVOL'NYI SHTIAKH [LIBERATION PATH].** London, vol. 20, no. 3(228), Mar. 1967.
- ZHIZN' SLEPKYKH [LIFE OF THE BLIND].** Organ of Vsesoiuzskoe obshchestvo slepykh [All-Russian Society of the Blind]. Moscow, vol. 44, no. 2, Feb. 1967.
- ZVAIGZNE [THE STAR].** Riga, vol. 17, nos. 3(397)-4(398), Feb. 1967. [In Latvian]

## 2. BIBLIOGRAPHY

### a. BIBLIOGRAPHY

- BIBLOS; ZHURNAL UKRAINS'KOI BIBLIOGRAFI [JOURNAL OF UKRAINIAN BIBLIOGRAPHY].** New York, vol. 13, no. 1(116), Jan. - Mar. 1967.
- EZHIGODNIK KNIGI SSSR; sistematicheskie ukazatel' [ANNUAL OF SOVIET BOOKS; Classified Index].** Vol. 2, 1965. Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, 1966.
- INFORMATSIONNYI UKAZATEL' BIBLIOGRAFIKE - SKKH SPISEK I KARTOTEK, SOSTAVLENNYKH BIBLIOTEKAMI SOVETSKOGO SOIUZA [INFORMATION INDEX OF BIBLIOGRAPHICAL LISTS AND CARD FILES, COMPILED BY THE LIBRARIES OF THE SOVIET UNION].** Issued by Gosudarstvennaya biblioteka SSSR [State Library of the U.S.S.R.]. Moscow, vol. 10, no. 8, Apr. 1966; vol. 11, nos. 3-4, 6, Feb. - Mar. 1967.
- KNIZHNAIA LETOPIS' [BOOK CHRONICLE].** Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, nos. 6-7, 1967.  
Dopolnitel'nyi vypusk [Supplementary Issue], no. 12, 1968.

## LETAPIS DRUKU BSSR. LETOPIS' PECHATI BSSR

[CHRONICLE OF THE PUBLICATIONS OF THE WHITE RUSSIAN S.S.R.] Issued by Dziazhnina biblioteka BSSR and Knizhnaia palata BSSR [State Library of the White Russian S.S.R. and the Book Chamber of the White Russian S.S.R.]. Minsk, nos. 8, 10, Aug., Oct., 1966.

## LETOPE' PECHATI MOLDAVSKOI SSR [CHRONICLE OF THE PUBLICATIONS OF THE MOLDAVIAN S.S.R.]

Issued by Knizhnaia palata [Book Chamber]. Kishinev, no. 3, July-Sep 1965, publ 1966.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seriya 1 Fiziko-matematicheskie i khimicheskie nauki, nauki o zemle, tekhnika i tekhnicheskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 1 Physical, Mathematical, and Chemical Sciences, Earth Sciences, Technology and Technological Sciences] Vol. 12, nos. 4-9, Feb.-Mar. 1967.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seriya 2 Biologicheskie nauki, sel'skoe i lesnoe khoziaistvo, sel'skokhoziaistvennye i lesokhoziaistvennye nauki, zdravoohraneniye, meditsinskie nauki [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 2 Biological Sciences, Agriculture and Forestry, Agricultural and Forestry Sciences, the Health Service, Medical Sciences]. Vol. 10, nos. 4-9, Feb.-Mar. 1967.

MOSCOW. PUBLICHNAIA BIBLIOTEKA. Informatsionnyi biulleten' novykh inostrannykh knig, postupyvshikh v Biblioteku imeni V.I. Lenina. Seriya 3 Obshchestvennye nauki, khudozhestvennaya literatura i iskusstvo [PUBLIC LIBRARY. Information Bulletin of New Foreign Books, Received by the Lenin Library. Series 3 Social Sciences, Belles-Lettres, Art] Vol. 10, nos. 4-9, Feb.-Mar. 1967.

NAUJOS KNYGOS [NEW BOOKS]. Vilnius, no. 1(49), Jan. 1967. [In Lithuanian]

NOVAIA LITERATURA PO BOLGARII [NEW LITERATURE ON BULGARIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.

NOVAIA LITERATURA PO JUGOSLAVII [NEW LITERATURE ON YUGOSLAVIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.

NOVAIA LITERATURA PO OESHCIM PROBLEMAM SLAVIANOVEDENIA [NEW LITERATURE ON THE GENERAL PROBLEMS OF SLAVIC STUDIES]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 4, 1966.

NOVAIA LITERATURA PO RUMYNI [NEW LITERATURE ON ROMANIA]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 2, 1967.

NOVAIA LITERATURA PO VENGRII [NEW LITERATURE ON HUNGARY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.

NOVI KNYHY URSR [NEW BOOKS OF THE UKRAINIAN S.S.R.]. Issued by Knyzhkova palata URSR [Book Chamber of the Ukrainian S.S.R.]. Kiev, nos. 29-36, Oct.-Dec. 1966, no. 1, Jan. 1967.

NOVYE KNIGI SSSR [NEW BOOKS OF THE U.S.S.R.]. Issued by Vsesoyuznoe ob'edineniye "Mezhdunarodnaya kniga" [All-Union Association "International Book"]. Moscow, nos. 5-8, 11, Jan.-Mar. 1967.

NOVYE KNIGI ZA RUBEZHOM. Seriya V: Biologiya, medicina, sel'skoe khoziaistvo [NEW FOREIGN BOOKS. Series V: Biology, Medicine, Agriculture]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, vol. 11, no. 2, Feb. 1967.

NOVYE KNIGI ZA RUBEZHOM PO OSHCHESTVENNYM NAUKAM, ekonomika, filosofiya, istoriya, mezhdunarodnye otnosheniya [NEW FOREIGN BOOKS ON THE SOCIAL SCIENCES, Economics, Philosophy, History, International Relations]. Published by Izdatel'stvo inostrannoi literatury [Publishing House of Foreign Literature]. Moscow, no. 2, Feb. 1967.

SVODNYI BIULETEN' NOVIKH INOSTRANNYKH KNIG, POSTUPYVSHIKH V BIBLIOTEKI SSSR. Seriya B. Obshchestvennye nauki [UNION LIST OF NEW FOREIGN BOOKS RECEIVED BY THE LIBRARIES OF THE U.S.S.R. Series B: Social Sciences]. Moscow, nos. 3(87)-5(89), 1966.

V MIRE KNIG [IN THE WORLD OF BOOKS]. Organ of Gosudarstvennyi komitet Sovetskoi Ministroy SSSR po pechatu [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, vol. 6, no. 6, June 1966.

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Terekhov, E. - Sergei Kobuladze, p. 48.

## b LIBRARIES &amp; LIBRARY SCIENCE

AKADEMIA NAUK SSSR. Biblioteka. Novye inostrannyye knigi, katalog novykh postuplenii, ... [ACADEMY OF SCIENCES OF THE U.S.S.R. Library. New Foreign Books, Catalog of New Accessions, ...] Leningrad, nos. 10(173), 12(175), 1966, no. 1(176), 1967.

BIBLIOTEKAR' [THE LIBRARIAN]. Organ of Ministerstva kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, vol. 44, no. 2, Feb. 1967.

Table of contents translated:

Nikolaeva, T., Striganov, V. - Joint action ensures success, p. 1.  
Kuznetsov, E., Nikiforova, N. - Our work has begun, p. 4.  
Nerchay, V. - Publishing houses and libraries, p. 7.  
Mingaleev, I. - The past as well as the future, p. 11.  
Levedev, M. - We make some progress but... p. 14.  
Sal'kova, A. - Faithful and dependable guardians of our country, p. 17.  
Kouakh, A., Kalinin, V. - We inform our readers on the defense of the civilian population, p. 21.  
Demidenko, G. - Parting words addressed to our selectees, p. 22.  
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Dibi'ova, M. - People who formerly believed in God are the activists of atheistic propaganda now, p. 23.  
Mkrtychian, G. - By the walls of Echmiadzin, p. 20.  
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BIBLIOTEKOVEDENIE I BIBLIOGRAFIYA; ukazatel' literatury [LIBRARY SCIENCE AND BIBLIOGRAPHY, an Index to the Literature] Jan.-Mar., 1966. Issued by Nauchno-metodicheskiy otdel bibliotekovedeniya i bibliografii Gosudarstvennoi biblioteki SSSR imeni V.I. Lenina [Scientific Methodological Division of Library Science and Bibliography of the V.I. Lenin State Library]. Moscow, no. 1, 1966.

INFORMATSIYA O BIBLIOTECHESTVE I BIBLIOTOKARAH ZA RUBEZHOM; sbornik materialov [INFORMATION ABOUT LIBRARY WORK AND BIBLIOTHECARIES ABROAD; Materials]. Moscow, nos. 4(15)-6(18), 1966.

SARATOV. UNIVERSITET. Nauchnaya biblioteka, Trudy [UNIVERSITY. Research Library. Transactions]. No. 3, 1964.

Table of contents translated:

Grozetskaya, A. N. - Theoretical and practical reinforcement of young librarians, p. 3.  
Gerasimova, F. V. - Incubators in the Scientific Library of Saratov University, p. 11.  
Iospenko, L. D. - First books published in Moscow in the collection of the Scientific Library of Saratov University, p. 21.  
Kislovskaya, N. A., Smirnov, A. G. - Articles on Saratov and the Saratov Government in the newspaper "Kolokol," p. 32.  
Nikitina, N. P. - Establishment and development of the chains of libraries in the institutions of higher education, p. 41.  
Ailavich, V. A. - History of the Public Library of the City of Saratov, p. 76.  
Belikova, M. F., Gerasimova, V. A. - A bibliography of articles and pamphlets on the Scientific Library of Saratov University published in 1947-1963, p. 63.  
Brief news, p. 122.

## c. PRINTING &amp; THE BOOK TRADE

KNIGA; issledovaniya i materialy [THE BOOK; Studies and Papers]. Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber]. Moscow, vol. 4, 1961.

Table of contents translated:

Iakovlev, B. V. - Lenin and the book; a review of materials published recently on the occasion of V.I. Lenin's 80th anniversary, p. 7.  
Somov, V. S. - The militant program of the Soviet publishing houses, p. 46.  
Piskunov, K. F. - A friend of children and youth, contemporary publishing of children's books in the U.S.S.R., p. 65.  
Usyskin, G. S. - An encyclopedia of Russian poetry, a review of the issues of the "Poet's Library" series, p. 101.  
Arbuzov, M. F. - New methods in Soviet bookselling, p. 120.  
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Bykova, T. A. - Printing of books in Russia during the second quarter of the 18th century (February 1725-October 1740), p. 220.  
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In memory of Professor Konstantin Iakimovich Bylinaki, 1804-1900, p. 335.

KNIZHNAIA TORGOVIA [BOOK TRADE]. Issued by Komitet po pechatu pri Sovete Ministrov SSSR and Tsentr al'nyi sovet potrebitel'skikh obshchestv SSSR [Committee for Printing, Attached to the Council of Ministers of the U.S.S.R. and the Central Union of Consumer Societies of the U.S.S.R.]. Moscow, vol. 17, no. 11, Nov. 1966.

Table of contents translated  
Popularization of literature is an important part of ideological work. p. 1.  
Berezov, P. - Lenin at the Smol'nyi Institute. p. 4.  
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Table of contents translated  
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Coming back to problems already discussed in our periodical. p. 64.

MOSCOW, VSESOUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT POLIGRAFICHESKOGH PROMYSHLENNOSTI. Tekhnologiya poligrafii, informatsionno-issledovatel'skii sbornik [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF THE PRINTING INDUSTRY, Printing Technology, Information Abstracts], no. 2, 1965.

PECHAT' SSSR, 1965, statisticheskie materialy [THE PRESS OF THE U.S.S.R., 1965, Statistical Material] Issued by Vsesoyuznaya knizhnaya palata [All-Union Book Chamber] Moscow, 1966.

POLIGRAFICHESKOE PROIZVODSTVO [PRINTING INDUSTRY]. Organ of Ministerstva kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no. 1, Jan. 1963.  
Table of contents translated:  
The resources of printing plants at the service of the Soviet press. p. 1.  
Frantsman, B. I. - Planning in the printing industry should meet the standards demanded by communist construction. p. 3.  
Savitskii, G. S. - Economic effectiveness of capital investments in the Ukrainian printing industry. p. 5.  
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Kuryshov, I. U. - Exhibition of books published by the Publishing House of Foreign Literature. p. 30.

POLIGRAFIYA [PRINTING] Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po pechatu [State Committee of the Council of Ministers of the U.S.S.R. for Printing]. Moscow, no. 2, Feb. 1967.

RASPROSTRANENIE PECHATI [DISTRIBUTION OF PUBLICATIONS]. Issued by Glavnoe upravlenie sotuz-pechat' Ministerstva svyazi SSSR [Main Administration for the Distribution of Printed Matter of the Ministry of Communications of the U.S.S.R.]. Moscow, no. 10, 1966.

### 3. PHILOSOPHY & RELIGION

#### a. PHILOSOPHY

MOSCOW, UNIVERSITET. Vestnik. Seriya 8: Filosofiya [UNIVERSITY. Review. Series 8: Philosophy]. Vol. 21, no. 6, Nov.-Dec. 1966.  
Table of contents translated:  
Molodtsov, V. S. - Scientific Weltanschauung is the foundation of communist ideology. p. 3.  
Shuvalov, B. A., Krukhmalov, A. E. - Correlation of material and moral incentives to work in the present-day phase of the building of communism. p. 14.  
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Il'in, A. I. A. - Basic forms of vitalism in present-day biology. p. 30.  
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Kostikova, I. V. - Discussion of B. D. Parygin's book "Social psychology as a branch of science." p. 50.  
Hegel, G. W. F. - Jena real philosophy. Pt. 2. (conclusion). p. 53.

MOSCOW, UNIVERSITET. Vestnik. Seriya 11: Zhurnal'stika [UNIVERSITY. Review Series 11: Journalism]. Vol. , no. , month 19 ..

Vol. 21, no. 6, Nov.-Dec. 1966.

Table of contents translated:  
Peit', V. G. - Our writings should be specific and convincing (M. Gor'kii on the role of facts in journalism). p. 3.  
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Devoted to the 50th anniversary of the Soviet regime. p. 90.  
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NOVAYA INOSTRANNAIA LITERATURA PO FILOSOFII [NEW FOREIGN LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1967.

NOVAYA SOVETSKAIA LITERATURA PO FILOSOFII [NEW SOVIET LITERATURE ON PHILOSOPHY]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1967.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools, Philosophical Sciences] Moscow, vol. 4, no. 1, 1961.

Table of contents translated:  
Skvortsov, L. V. - Basic contradiction of our times and ways of solving it. p. 3.  
Garadsha, V. I. - Ways of banishing war from the life of society. p. 14.  
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TASHKENT, UNIVERSITET, Nauchnye trudy (UNIVERSITY, Studies), No. 279, 1965. Filosofskie nauki [Philosophical Sciences], no. 8, Problems of materialistic dialectics and the criticism of bourgeois ideology.

Table of contents translated  
Mikhailov, N. M. - Materialistic dialectics as a method of scientific study. p. 5.  
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#### VOPROSY FILOSOFII [PROBLEMS OF PHILOSOPHY].

Issued by Institut filosofii Akademii nauk SSSR [Institute of Philosophy of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 21, no. 1, 1967.

Table of contents translated  
Fajosev, P. N. - Problems of peace in present-day sociology. p. 3.  
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#### b. RELIGION

#### BRATSKII VESTNIK [HERALD OF BROTHERHOOD].

Issued by Vsesoluznyi sovet evangel'skikh khristian-baptistov [All-Union Council of Evangelical Christians and Baptists]. Moscow, no. 8, 1966.

Table of contents translated:  
Christian theses of peace. p. 5.  
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#### HOLAS TSAR'VY [THE VOICE OF THE CHURCH]

Issued by TSarkounia rada Beloruskoe avtokefali'nae pravoslavnoe tsark'vye [Belorussian Autocephalic Orthodox Church]. New York, vol. 12, no. 24, 1966.

HOLOS SPASYTELIA. REDEEMER'S VOICE. Issued by Oksid Redempciysty [Redemptorist Fathers]. Yorkton, Canada, vol. 38, no. 6, June 1966, vol. 39, no. 1, Jan. 1967.

LIUDYNA I SVIT [MAN AND THE WORLD]. Issued by Tovarystvo "Znannya" Ukrain's'koi RSR ["Knowledge" Society of the Ukrainian S.S.R.]. Kiev, vol. 6, nos. 2 (77)-3 (78), Feb.-Mar. 1967.

NAUKA I RELIGIJA [SCIENCE AND RELIGION]. Issued by Vsesoluznoe obshchestvo "Znanie" ["All-Union Society]. Moscow, vol. 9, no. 2, 1967.

ORTHODOX EASTERN CHURCH, RUSSIAN, Patriarch. Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]. Moscow, no. 12, 1966.

Table of contents translated:  
Christmas message from His Holiness Patriarch Aleksei to Prelates, priests, and all the faithful of the Russian Orthodox Church. p. 1.  
Decisions of the Holy Synod. p. 2.  
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PYTANNIA ATIIZMU [PROBLEMS OF ATHEISM]. Kiev, no. 1, 1965.

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RUSSKOE STUDENCHESKOE KRISTIANSKOE DVIZHENIE. Vestnik [RUSSIAN STUDENTS' CHRISTIAN MOVEMENT. Messenger]. Paris, nos. 80, 82, 1966.

SVITLO, THE LIGHT. Issued by O. Vasylyany [The Basilian Fathers]. Toronto, vol. 20, nos. 5 (521), 10 (526)-12 (528), May, Oct.-Dec. 1966; vol. 30, nos. 2 (530)-3 (531), Feb.-Mar. 1967.

TSERKOVNYI VESTNIK [CHURCH HERALD]. Organ of Pravoslavnaya tserkov' v Pol'she [Orthodox Church in Poland]. Warsaw, vol. 14, no. 1, Jan. 1967.

UKRAINS'KE PRAVOSLAVNE SLOVO. UKRAINIAN ORTHODOX WORD. Organ of the Ukrainian Orthodox Church of the United States of America. South Bound Brook, N.J., vol. 18, nos. 3-4, Mar.-Apr. 1967.

#### 4. HISTORY

##### a. GENERAL

AKADEMIYA NAUK SSSR. Institut istorii, Vostok drevnei istorii [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of History, Review of Ancient History]. Moscow, no. 4(98), 1968.

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- Rus'kov, I. B. - "Fraternity" contacts in Elam. p. 3.
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PALESTINSKII Sbornik [PALESTINE REVIEW]. Issued by Rossiiskoe palestinskoe obshchestvo [Russian Palestine Society]. Moscow, no. 15(78), 1968, History and philology of the Near East.

- Table of contents translated.
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PREPODAVANIE ISTORII V SHKOLE [TEACHING HISTORY IN SCHOOLS]. Issued by Ministerstvo prosvetsheniya RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 2, Mar.-Apr. 1967.

SOVETSKOE SLAVIANOVEDENIE [SOVIET SLAVIC STUDIES]. Issued by Institut slavianovedeniya Akademii nauk SSSR [Institute of Slavic Studies of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1967.

- Table of contents translated.
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VOENNO-ISTORICHESKII ZHURNAL [MILITARY HISTORY JOURNAL]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.]. Moscow, vol. 9, no. 1, Jan. 1967.

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VOIPROSY ISTORII [PROBLEMS OF HISTORY]. Issued by Otdeleniye istorii Akademii nauk SSSR and Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya SSSR [Department of History of the Academy of Sciences of the U.S.S.R. and the Ministry of Higher and Secondary Specialized Education of the U.S.S.R.]. Moscow, vol. 42, no. 1, Jan. 1967.

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SOVETSKAIA ARKHEOLOGIJA [SOVIET ARCHAEOLOGY]. Issued by Institut arkhologii Akademii nauk SSSR [Institute of Archaeology of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 5, 1966.

- Table of contents translated.
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- KOOPERATOR KAZAKHSTANA [THE COOPERATIVE WORKER OF KAZAKHSTAN]. Issued by Soluz potrebitel'skikh obshchestv Kazakhskot SSR [Association of Consumer Societies of the Kazakh S.S.R.]. Alma-Ata, vol. 9, no. 1, Jan. 1967.

- NOVYE TOVARY, informatsionnyi biulleten' [NEW CONSUMER GOODS, Information Bulletin]. Moscow, no. 11, 1966, no. 1, 1967.

- SOVETSKAYA TORGOVLYA [SOVIET COMMERCE]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po trgovle [State Committee of the Council of Ministers of the U.S.S.R. for Commerce]. Moscow, vol. 40, no. 12, Dec. 1966.
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- VNESHNIAIA TORGOVLYA [FOREIGN TRADE]. Organ of Ministerstva vneshnei trgovli SSSR [Ministry of Foreign Commerce of the U.S.S.R.]. Moscow, vol. 40, no. 11, 1966.

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MATERIAL'NO-TEKHNIЧЕСКОЕ SNABZHENIE [SUPPLY OF MATERIALS AND EQUIPMENT]. Organ of Gosudarstvennyi komitet Soveta Ministrov SSSR po material'no-tekhnicheskomu snabzheniu [State Committee of the Council of Ministers of the U.S.S.R. for the Supply of Materials and Equipment]. Moscow, vol. 1, no. 4, Oct. 1966.

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**NARODNOE KHOZIAISTVO KAZAKHISTANA** [THE NATIONAL ECONOMY OF KAZAKHISTAN]. Issued by Gosplan Kazakhskoi SSR [State Planning Commission of the Kazakh S.S.R.]. Alma-Ata, vol. 24, no. 11, Nov. 1966.

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**NOVAIA INOSTRANNAIA EKONOMICHESKAYA LITERATURA** [NEW FOREIGN ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.

**NOVAIA SOVETSKAYA EKONOMICHESKAYA LITERATURA** [NEW SOVIET ECONOMIC LITERATURE]. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 12, 1966.

**PLANOVOE KHOZIAISTVO** [PLANNED ECONOMY]. Issued by Gosplan SSSR and SNKh SSSR [State Planning Committee of the U.S.S.R. and the Economic Council of the U.S.S.R.]. Moscow, no. 2, Feb. 1967.  
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REFERATIVNYI SBORNIK EKONOMIKA PROMYSLENNOSTI [JOURNAL OF ABSTRACTS ECONOMICS OF INDUSTRY]. Issued by Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information]. Moscow, no. 2, Feb. 1967.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education, Research Papers of Higher Schools, Economics] Moscow, vol. 4, no. 1, 1961.

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VESTNIK STATISTIKI [STATISTICAL REVIEW]. Organ of Tsentral'noe statisticheskoe upravlenie SSSR [Central Statistical Administration of the U.S.S.R.]. Moscow, no. 1, 1967.

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SOTSIALISTICHESKII TRUD [SOCIALIST LABOR]. Issued by Gosudarstvennyi komitet Soveta Ministrov SSSR po voprosam truda i zarabotnoi platy [State Committee of the Council of Ministers of the U.S.S.R. on Labor and Wage Problems]. Moscow, vol. 12, no. 1, Jan. 1967.

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## SOVETSKIE PROFSOYUZY [SOVIET TRADE UNIONS].

Issued by Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [All-Union Central Council of Trade Unions]. Moscow, vol. 23, no. 1 (355), Jan. 1967.  
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KAZAKSTAN EELDERI [KAZAKHSTAN WOMAN] Alma-Ata, no 2, Feb 1967 [In Kazakh]

KOMSOMOL'SKAYA ZHIZN' [LIFE OF COMMUNIST YOUTH]. Issued by Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluzn molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, nos 4-5, Feb.-Mar. 1967.

NASHE ZIIYTTIA. OUR LIFE. Issued by Soluz ukrainok Ameriky [Ukrainian National Women's League of America, Inc.] Philadelphia, vol 23, no. 10, Nov 1966, vol 24, nos. 2-3, Feb.-Mar 1967

NOUKOGUDE NAINI [SOVIET WOMAN]. Issued by EKP Keskomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, nos. 2-3, Feb.-Mar. 1967. [In Estonian]

PADOMJU LATVIJAS SILVETE [WOMAN OF SOVIET LATVIA]. Issued by Latvijas Komunistiskais partijas Centra Komiteja [Central Committee of the Communist Party of Latvia]. Riga, no. 2(174), Feb. 1967. [In Latvian]

RADIANS'KA ZHINKA [SOVIET WOMAN]. Kiev, vol. 22, no. 2(254), Feb 1967.

SMENA [THE YOUNGER GENERATION] Organ of Tsentral'nyi komitet Vsesoiuznogo leninskogo kommunisticheskogo soluzn molodezhi [Central Committee of the All-Union Communist Youth League of Lenin] Moscow, vol 44, nos 5(955)-6(956), Mar 1967.

SOVET TURKMENISTANYNIN AIALARY [SOVIET TURKMENISTAN WOMAN] Organ of TSK KP Turkmenistana [Central Committee of the Communist Party of Turkmenistan]. Ashkhabad, no 1(163), Jan. 1967 [In Turkmen]

SOVETSKAYA ZHENSCHINA [SOVIET WOMAN]. Organ of Komitet soetskikh zhenshchin and Vsesoiuznyi Tsentral'nyi Sovet Professional'nykh Soluzov [Committee of Soviet Women and the All-Union Central Council of Trade Unions]. Moscow, vol. 23, no. 4, 1967.

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AGITATOR. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soluzn [Central Committee of the Communist Party of the Soviet Union]. Moscow, no. 17, Sep. 1962

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**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Otdel propagandy i agitatsii Irkutskogo obkoma KPSS [Propaganda and Dissemination Section of the Irkutsk Province Committee of the CPSU]. Irkutsk, no. 18, Aug. 1966, no. 3, Feb. 1967.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Otdel propagandy i agitatsii Kurskogo obkoma KPSS [Propaganda and Dissemination Section of the Kursk Province Committee of the CPSU]. Kursk, no. 1, Jan. 1967.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Otdel propagandy i agitatsii Tsentral'nogo Komiteta Kommunisticheskoi partii Belorussii [Propaganda and Dissemination Section of the Central Committee of the Communist Party of White Russia]. Minsk, Spetsial'nyi vypusk [Special Issue], 1966.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Otdel propagandy i agitatsii Tsentral'nogo Komiteta Kommunisticheskoi partii Ukrainy [Propaganda and Dissemination Section of the Central Committee of the Communist Party of the Ukraine]. Kiev, no. 3, Feb. 1967.

**BLOKNOT AGITATORA [THE AGITATOR'S NOTEBOOK].** Issued by Viddil propagandy i agitatsii Tsentral'nogo Komiteta Kommunisticheskoi partii Ukrainy [Propaganda and Dissemination Section of the Central Committee of the Communist Party of the Ukraine]. Kiev, nos. 2, 4-6, Jan.-Mar. 1967. [In Ukrainian]

**CHASOVYI [THE SENTRY].** Organ of Rossiiskoe natsional'noe dvizheniye [Russian National Movement]. Brussels, no. 499(3), Mar. 1967.

**FIISTI KOMMUNIST [COMMUNIST OF ESTONIA].** Issued by Eestihaa Kommunistliku Partei Keskkomitee [Central Committee of the Communist Party of Estonia]. Tallinn, vol. 23, no. 3, Mar. 1967. [In Estonian]

**KAZAKSTAN KOMMUNIST [COMMUNIST OF KAZAKHSTAN].** Issued by the Communist Party of Kazakhstan Alma-Ata, no. 2, Feb. 1967. [In Kazakh]

**KOMMUNIST [COMMUNIST].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Litvy [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 3(513), Mar. 1967.

**KOMMUNIST [COMMUNIST].** Organ of the Central Committee of the Communist Party of Kirghizia. Frunze, vol. 41, no. 2, Feb. 1967.

**KOMMUNIST BELORUSSII [COMMUNIST OF WHITE RUSSIA].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Belorussii [Central Committee of the Communist Party of White Russia]. Minsk, vol. 40, no. 2, Feb. 1967.

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**KOMMUNIST SOVETSKOI LATVII [COMMUNIST OF SOVIET LATVIA].** Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Latvii [Central Committee of the Communist Party of Latvia]. Riga, vol. 23, no. 2, Feb. 1967.

**KOMMUNIST UKRAINY [COMMUNIST OF THE UKRAINE].** Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 36, no. 9, Sep. 1966.

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**KOMMUNISTI TOCHIKISTON [COMMUNIST OF TAJIKISTAN].** Issued by the Central Committee of the Communist Party of Tajikistan. Dushanbe, vol. 32, no. 3, Mar. 1967. [In Tajik]

**KOMUNIST UKRAINY [COMMUNIST OF THE UKRAINE].** Issued by Tsentral'nyi Komitet Komunisticheskoi partii Ukrainy [Central Committee of the Communist Party of the Ukraine]. Kiev, vol. 41, no. 2, Feb. 1967. [In Ukrainian]

**KOMUNISTAS [COMMUNIST].** Issued by Lietuvos Komunistu partijos Centro Komitetas [Central Committee of the Communist Party of Lithuania]. Vilnius, no. 2(512), Feb. 1967. [In Lithuanian]

**MEZHODUNARODNAIA ZHIZN' [INTERNATIONAL LIFE].** Published by Vsesoyuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol. 14, no. 2, 1967.

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PARTIJA TURMUSHI [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Uzbekistana [Central Committee of the Communist Party of Uzbekistan], Tashkent, no.12, Dec.1966; no.2, Feb. 1967. [In Uzbek]

PARTHANAIA ZHIZN' [PARTY LIFE]. Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Sovetskogo Soyuza [Central Committee of the Communist Party of the Soviet Union], Moscow, no.2, Jan.1967.

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PROBLEMY MIRA I SOTSIALIZMA [PROBLEMS OF PEACE AND SOCIALISM]. Prague, vol. 10, no. 3(103), Mar. 1967.

RUSSKOE DELO. RUSSIAN CAUSE. Issued by Predstavitel'stvo rossijskikh emigrantov v Amerike [Russian Immigrants' Representative Office in America]. New York, vol. 6, no. 11(85), Nov. 1966, vol. 6, nos. 1(7)-3(99), Jan.-Mar. 1967.

TURKMENISTAN KOMMUNISTI [COMMUNIST OF TURKMENISTAN]. Organ of the Central Committee of the Communist Party of Turkmenistan. Ashkhabad, no. 1, Jan. 1967. [In Turkmen]

UZBEKISTON KOMMUNISTI [COMMUNIST OF UZBEKISTAN]. Issued by the Central Committee of the Communist Party of Uzbekistan. Tashkent, vol. 39, no. 12, Dec. 1966. [In Uzbek]

VAHETAME MOTT'FID [EXCHANGE OF EXPERIENCE]. Issued by Eestihaa Kommunistliku Partei Keskkomitee [Ideological Too Onakod [Ideological Section of the Central Committee of the Estonian Communist Party]. Tallinn, no. 6, 1966. [In Estonian]

VISNYK. THE HERALD. Organ of Organizatsiia oborony chotyriykh svobod Ukrainy [Organization for Defense of the Four Freedoms for the Ukraine, Inc.]. New York, vol. 20, no. 7(209-210), July-Aug. 1966; vol. 21, no. 2(210), Feb. 1967

VOPROSY ISTORII KPSS [PROBLEMS IN THE HISTORY OF THE CPSU]. Organ of Institut marksizma-leninizma pri TsK KPSS [Institute of Marxism-Leninism, Attached to the Central Committee of the CPSU]. Moscow, vol. 11, no. 2, Feb. 1967.

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ZNAMIA ROSSII, organ russkoi nezavisimoi monarchicheskoi mysl'i [THE BANNER OF RUSSIA, Organ of Russian Independent Monarchistic Thought] New York, no 275, Mar. 1967

## 7. LAW

LATVIANS, S. R. Augsdaka Padome. Zinatajs [Supreme Soviet, Gazette]. Riga, nos. 1-5, 7-10, Jan.-Mar. 1967.

LITHUANIAN S. S. R. Vedomosti Verkhovnego Soveta i Pravtels'tva Litovskoi Sovetskoi Soitsialisticheskoi Respubliki [Gazette of the Supreme Soviet and the Government of the Lithuanian S. S. R.]. Vilnius, no. 36, Dec. 1966, nos. 1-3, Jan. 1967

LITHUANIAN S. S. R. Lietuvos Tarybu Socialistines Respublikos Aukstiausiosios Tarybos ir Vyriausybės žinios [Gazette of the Supreme Soviet and the Government of the Lithuanian S. S. R.]. Vilnius, nos. 1-3, Jan. 1967. [In Lithuanian]

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet, Gazette]. Moscow, nos. 8(438)-12(442), Feb.-Mar. 1967.

RUSSIA (1917- R. S. F. S. R.) Verkhovnyi Sud. Buileten' [Supreme Court Bulletin]. Moscow, no. 2, 1967.

RUSSIA (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet, Gazette]. Moscow, vol. 30, nos. 8(1355)-12(1357), Mar. 1967.

SOTSIALISTICHESKAIA ZAKONNOST' [SOCIALIST LEGALITY]. Organ of Prokuratura SSSR and Verkhovnyi Sud SSSR [Office of the Public Prosecutor of the U. S. S. R. and the Supreme Court of the U. S. S. R.]. Moscow, vol. 38, no. 7, July 1961.

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KAZAKSTAN MEKTEBI [KAZAKHISTAN SCHOOLS]. Organ of the Ministry of Education of the Kazakh S.S.R. Alma-Ata, vol. 42, no. 1, Jan. 1967 [in Kazakh]

KULTURNO-PROSVETITEL'NAIA RABOTA [CULTURAL AND EDUCATIONAL WORK]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.]. Moscow, nos. 2-3, Feb.-Mar. 1967

NACHAL'NAIA SHKOLA [PRIMARY SCHOOL]. Issued by Ministerstvo prosvoshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, vol. 35, no. 1, Jan. 1967.

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Issued by Ministerstvo prosvoshcheniia RSFSR [Ministry of Education of the R.S.F.S.R.]. Moscow, no. 1, Jan. 1967.

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Issued by Vsesoyuznyi institut po izucheniu pričin i razrabotke mer preduprezhdenia prestupnosti [All-Union Institute for the Study of the Causes of and Measures for the Prevention of Crime]. Moscow, no. 4, 1966.

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**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i sred-  
nego spetsial'nogo obrazovaniya, Bulletin** [Ministry  
of Higher and Secondary Specialized Education, Bul-  
letin], Moscow, no. 2, Feb. 1967.

**SEMIA I SHKOLA [FAMILY AND SCHOOL]** Issued by  
Akademiya pedagogicheskikh nauk RSFSR [Academy of  
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[In Latvian]

**SOVETSKAIA PEDAGOGIKA [SOVIET PEDAGOGY]**.

Issued by Akademiya pedagogicheskikh nauk RSFSR  
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Moscow, vol. 31, no. 1, Jan. 1967.

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[Ministry of Higher and Secondary Specialized Educa-  
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**FIZKULTURA I SPORT [PHYSICAL EDUCATION AND SPORTS].** Organ of Soluz sportivnykh tovarystv i organizatsii URSR [Union of Sports Associations and Organizations of the Ukrainian S.S.R.]. Kiev, no.2(842), Feb. 1967. [In Ukrainian]  
**KEHAKULTUR [PHYSICAL CULTURE].** Organ of Eesti NSV Sportühingute ja -organisatsioonide Liit [Union of Sports Associations and Organizations of the Estonian S.S.R.]. Tallinn, vol.28, nos.2(563)-5(566), Jan.-Mar. 1967. [In Estonian]

**LEKKAIA ATLETIKA [TRACK AND FIELD ATHLETICS].** Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.12, nos.2(141)-3(142), Feb.-Mar. 1967.

**SHAKHMATNYI BULLETEN' [CHESS BULLETIN].** Organ of Shakhmatnaya federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, vol.13, no.2, Feb. 1967.

**SHAKHMATY [CHESS].** Issued by Soluz sportivnykh obshchestv i organizatsii i Shakhmatnaya federatsiia Latviskoi SSR [Union of Sports Associations and Organizations and the Chess Federation of the Latvian S.S.R.]. Riga, nos.2(170)-3(171), Jan.-Feb. 1967.

**SHAKHMATY V SSSR [CHESS IN THE U.S.S.R.].** Organ of Shakhmatnaya federatsiia SSSR [Chess Federation of the U.S.S.R.]. Moscow, no.2, Feb. 1967.

**SPORT V SSSR [SPORTS IN THE U.S.S.R.].** Issued by the Periodical "Sovetskii Soluz" ["Soviet Union"] Moscow, no.3(49), 1967.

**SPORTIVNAIA ZHIZN' ROSSII [SPORTS LIFE IN RUSSIA].** Organ of Vserossiiskii sovet Soluza sportivnykh obshchestv i organizatsii [All-Russian Council of the Association of Sports Societies and Organizations]. Moscow, vol.11, no.3, 1967.

**SPORTIVNYE IGRY [ATHLETIC GAMES].** Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.13, no.2(141), Feb. 1967.

**START.** Organ of Rada Soluzu sportivnykh tovarystv i organizatsii Ukraini [Council of the Union of Sports Associations and Organizations of the Ukrainian S.S.R.]. Kiev, no.2, Feb. 1967.

**TEORIIA I PRAKTIKA FIZICHESKOI KULTURY [THEORY AND PRACTICE OF PHYSICAL CULTURE].** Organ of Tsentral'nyi sovet Soluza sportivnykh obshchestv i organizatsii SSSR [Central Council of the Association of Sports Societies and Organizations of the U.S.S.R.]. Moscow, vol.29, no.12, Dec. 1966.  
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**NOVYNY KINOKRANU [CINEMA NEWS].** Kiev, no.2(67), Feb. 1967.

**SOVETSKII EKRAK [THE SOVIET SCREEN].** Organ of Komitet po kinematografii pri Sovete Ministrov SSSR and Soluz kinematografistov SSSR [Committee for Motion Pictures, Attached to the Council of Ministers of the U.S.S.R., and the Union of Motion-picture Workers of the U.S.S.R.]. Moscow, nos.3(243)-5(245), Feb.-Mar. 1967.

**SOVETSKII FILM [SOVIET FILMS].** Issued by Vsesoluznoe obshchestvo [All-Union Association] "Sovetsportfilm" Moscow, no.1, 1967.

**b. MUSIC**

**MUZYKAL'NAIA ZHIZN' [MUSICAL LIFE].** Organ of Soluz kompozitorov SSSR and Ministerstvo kul'tury SSSR [Association of Composers of the U.S.S.R. and the Ministry of Culture of the U.S.S.R.]. Moscow, vol.10, no.6(223), Mar. 1967.

**SOVETSKIE DOLGOIGRAIUSHCHIE GRAMPLASTINKI [SOVIET LONGPLAYING PHONORECORDS].** Moscow, nos.6,8-12, 1965, nos.1-2, 1966.

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SOVETSKAYA ESTRADA I TSIRK [SOVIET STAGE AND CIRCUS]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.]. Moscow, no. 3(114), Mar 1967

TEATRAL'NAYA ZHIZN' [LIFE OF THE THEATER]. Organ of Ministerstvo kul'tury RSFSR [Ministry of Culture of the R.S.F.S.R.] and others. Moscow, vol. 10, nos. 4(206)-6(208), Feb-Mar 1967

## 10. FINE ARTS

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ISKUSSTVO [ART]. Organ of Ministerstvo kul'tury SSSR [Ministry of Culture of the U.S.S.R.] and others. Moscow, vol. 29, no. 12, 1968.

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MOSCOW. VYSSHEE KHUDOZHESTVENNO-PROMYSHLENNOE UCHILISHCHE. Trudy [HIGHER SCHOOL OF INDUSTRIAL ARTS. Transactions], No. 2, 1962.

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NOTATKY Z MYSTETSTVA. UKRAINIAN ART DIGEST. Issued by Ob'ednannia mystytsiv ukrainsiv v Amerytsi [Ukrainian Artists Association in U.S.A.]. Philadelphia, no. 5, Nov 1966

SOVETAKAN ARVEST [SOVIET ART]. Issued by Ministerstvo kul'tury Armianskoi SSR and Gosudarstvennyi komitet Soveta Ministrov Armianskoi SSR po kinematografii [Ministry of Culture of the Armenian S.S.R. and the State Committee of the Council of Ministers of the Armenian S.S.R. for Motion Pictures]. Erivan, no. 1, 1967. [In Armenian]

SOVETSKOE FOTO [SOVIET PHOTO]. Issued by Soluz zhurnalistov SSSR [Association of Journalists of the U.S.S.R.]. Moscow, no. 3, Mar 1967

TVORCHESTVO [CREATIVE WORK]. Issued by Soluz khudozhnikov SSSR [Association of Artists of the U.S.S.R.]. Moscow, no. 2(122), 1967

### b. ARCHITECTURE

ARKHITEKTURA SSSR [ARCHITECTURE OF THE

U.S.S.R.]. Organ of Gosudarstvennyi komitet po grazhdanskomu stroitel'stvu i arkhitekture pri Gosstatso SSSR and Soluz arkhitektov SSSR [State Committee for Public Construction and Architecture]. Attached to the State Planning Committee of the U.S.S.R., and the Association of Architects of the U.S.S.R.]. Moscow, no. 1, 1967

#### Table of contents translated

- Glorious path of the great creation. p. 1.  
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CHITUS JA ARHITEKTUR [CONSTRUCTION AND ARCHITECTURE]. Issued by FNSV Ministra Noulguu Riiklik Piltuur ja Arhitektuur Komitee [State Committee of the Council of Ministers of the Estonian S.S.R. for Construction and Architecture]. Tallinn, nos. 3, 5, 1964. [In Estonian]

LIETUVOS TSR AUKSTUJŲ MOKYKLŲ MOKSLO DAIKBAI STATYBA IR ARCHITEKTURA. Nauchnye i issledovatel'skie raboty i nauka i statyba i arkhitektura [STUDIES BY THE INSTITUTE OF HIGHER LEARNING OF THE LITHUANIAN S.S.R. CONSTRUCTION AND ARCHITECTURE]. Vilnius, vol. 5, no. 1, 1966.

STROITEL'STVO I ARHITEKTURA [CONSTRUCTION AND ARCHITECTURE]. Issued by Gosudarstvennyi komitet po delam stroitel'stva i arkhitektury SSSR and Soluz arkhitektov Ukrainsi [State Committee for Construction in the Ukrainian S.S.R. and the Association of Architects of the Ukraine]. Kiev, vol. 15, no. 1, Jan. 1967.

Table of contents translated  
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STROITEL'STVO I ARHITEKTURA LENINGRADA [CONSTRUCTION AND ARCHITECTURE IN LENINGRAD]. Organ of Ispolnitel'nyi komitet Leningradskogo gorodeckogo Soveta deputatov trudiashechikhsia [Executive Committee of the Leningrad City Soviet of Workers' Deputies] and others. Leningrad, vol. 28, no. 5, May 1966.

Table of contents translated:  
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**KALBOS KULTURA [SPEECH CULTURE]**. Issued by Lietuvos TSR Mokslu akademijos Lietuvi kalbos ir literatūros institutas [Institute of the Lithuanian Language and Literature of the Academy of Sciences of the Lithuanian S.S.R.]. Vilnius, vol. 10, 1966 [In Lithuanian]

**KEEL JA KIRJANDIS [LANGUAGE AND LITERATURE]**. Issued by Eesti NSV Teaduste Akadeemia ja Eesti NSV Kirjanite Liit [Academy of Sciences of the Estonian S.S.R. and the Association of Writers of the Estonian S.S.R.]. Tallinn, vol. 10, nos. 2-3, Feb. - Mar. 1967 [In Estonian]

**LEKSYKOLOGIJA TA LEKSYKOGRAFIJA [LEXICOLOGY AND LEXICOGRAPHY]**. Issued by Akademiia nauk Ukrainy [Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 2, 1966.

- Table of contents translated:
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**MOSCOW. UNIVERSITET. Otdelenie struktural'noi prikladnoi lingvistiky, PUBLIKATSI [UNIVERSITY, Department of Structural and Applied Linguistics, Publications]**, Moscow, no. 1, 1965. Theoretical problems of applied linguistics.

- Table of contents translated:
- Zhinkin, N. I. - Four communicative systems and four languages, p. 7.
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**NAUKOVYI OVARYSTVO IMENI SHEVCHENKA Zapyssky [SHEVCHENKO SCIENTIFIC SOCIETY Memoirs]** New York, vol. 185, 1956. Zbirnyk Filologichnoi sekcii [Papers of the Philological Section], vol. 26, Vol. 172, 1950. Zbirnyk Filologichnoi sekcii [Papers of the Philological Section], vol. 28, Vol. 176, 1962

**NOVAIA INOSTRANNAIA LITERATURA PO IAZYKOZNANIU [NEW FOREIGN LITERATURE ON LINGUISTICS]**. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.

**NOVAIA SOVETSKAIA LITERATURA PO IAZYKOZNANIU [NEW SOVIET LITERATURE ON LINGUISTICS]**. Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1967.

**RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i**

oklady  
I teach  
Moscow, vol. 5, no. 1(17), 1962.

- Table of contents translated:
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**RUSKII IAZYK V NATSIONAL'NOI SHKOLE [THE RUSSIAN LANGUAGE IN NON-RUSSIAN SCHOOLS]**. Issued by Akademiia pedagogicheskikh nauk RSFSR [Academy of Pedagogical Sciences of the R.S.F.S.R.]. Moscow, no. 2, Mar. - Apr. 1967.

**VOPROSY IAZYKOZNANIIA [PROBLEMS OF LINGUISTICS]**. Issued by Institut iazykoznaniiia Akademii nauk SSSR [Institute of Linguistics of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 15, no. 6, Nov. - Dec. 1960.

- Table of contents translated:
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## b LITERATURE & FOLKLORE

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- Table of contents translated:
- Balashov, N. I. - Correlation and modern science in the West, p. 461.
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**ALA-TOO: Itturalurno-khudozhestvennyi i obshchestvenno-politicheski zhurnal [ALA-TAU: Literary and Sociopolitical Magazine]**. Organ of Soluz plantelei Kirgizii and Ministerstvo kul'tury Kirgizskoi SSR [Association of Writers of Kirghizia and the Ministry of Culture of the Kirghiz S.S.R.]. Frunze, no. 12, Dec. 1966. [In Kirghiz]

**AZERBAICHAN [AZERBAIJAN]**. Organ of Soluz plantelei Azerbaidzhani [Association of Writers of Azerbaijan]. Baku, nos. 1-2, Jan. - Feb. 1967. [In Azerbaijan]

**BAIGAL [BAIKAL]**. Ulan-Ude, no. 1, 1967. [In Buryat]

**DAL'NII VOSTOK [FAR EAST]**. Organ of Khabarovskskoe otdelenie Soluz plantelei RSFSR [Khabarovsk Branch of the Association of Writers of the R.S.F.S.R.]. Khabarovsk, vol. 34, no. 1, Jan. - Feb. 1967.



**DNIPRO [DNIPIER]**, Organ of Tsentral'nyi komitet Lenins'koho komunistychnoho soluzu molodi Ukrainy [Central Committee of the All-Union Communist Youth League of the Ukraine]. Kiev, vol. 41, nos. 2-3, Feb.-Mar. 1967

**DON**, Organ of Soluz pisatelei RSFSR and Rostovskoe otdelenie Soluza pisatelei [Association of Writers of the R.S.F.S.R. and the Rostov Branch of the Association of Writers]. Rostov-on-Don, vol. 11, no. 2, Feb. 1967.

**DRUZHBA NARODOV [FRIENDSHIP OF PEOPLES]**, Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 29, no. 2, 1967.

**ISKORKA [LITTLE SPARK]**, Organ of Leningradskii obkom i goskom VLKSM and Leningradskii sovets'kii pionerskii organizatsii imeni V.I. Lenina [Leningrad Province Committee and the City Committee of the All-Union Communist Youth League of Lenin and the Leningrad Council of Lenin Pioneers]. Leningrad, vol. 10, no. 2, Feb. 1966

**IUNOST' [YOUTH]**, Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 13, no. 3(142), Mar. 1967

**KAROGS [THE BANNER]**, Issued by Latvijas padomju rakstnieku savieniba [Association of Writers of Soviet Latvia]. Riga, nos. 2-3, 1967. [In Latvian]

**KUBAN'**, Issued by Krasnodarskoe kraevoe otdelenie Soluza pisatelei RSFSR [Krasnodar Territorial Branch of the Association of Writers of the R.S.F.S.R.]. Krasnodar, vol. 23, nos. 1-2, Jan.-Feb. 1967

**LIETUVOS TSR AUKSTUJU MOKYKLU MOKSLO PARBAI LITERATURA**, Nauchnye trudy vysshikh uchebnykh zavedenii Litovskoi SSR. Literatūra [STUDIES BY THE INSTITUTIONS OF HIGHER LEARNING OF THE LITHUANIAN S.S.R. LITERATURE]. Vilnius, vol. 9, 1966

**LITERATURA I ISKUSTVO NARODOV SSSR I ZARU - BEZHNYKH STRAN, bibliograficheski biulleten'** [LITERATURE AND ART OF THE PEOPLES OF THE U.S.S.R. AND FOREIGN COUNTRIES, Bibliographical Bulletin]. Issued by Vsesoiuznaya knizhnaya palata and Vsesoiuznaya gosudarstvennaya biblioteka inostrannoi literatury [All-Union Book Chamber and the All-Union State Library of Foreign Literature]. Moscow, no. 1, 1967.

**LITERATURA STRAN AFRIKI [LITERATURE OF THE COUNTRIES OF AFRICA]**, Issued by Institut Afriki Akademii nauk SSSR [Institute of Africa of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 2, 1966.

**LITERATURNAAI ARMENIA [LITERARY ARMENIA]**, Organ of Pravleniye Soluza pisatelei Armenii [Administration of the Association of Writers of Armenia]. Eriyann, vol. 9, no. 1, Jan. 1967

**LITERATURNAAI GRUZIJA [LITERARY GEORGIA]**, Organ of Soluz pisatelei Gruzii [Association of Writers of Georgia]. Tiflis, vol. 11, no. 2, Feb. 1967

**LITERATURNYI AZERBAIDZHAN [LITERARY AZERBAIDZHAN]**, Organ of Soluz pisatelei Azerbaidzhana [Association of Writers of Azerbaijan]. Baku, vol. 25, no. 2, Feb. 1967.

**LITERATURNYI KIRGHIZSTAN [LITERARY KIRGHIZISTAN]**, Organ of Soluz pisatelei Kirgizii [Association of Writers of Kirghizia]. Frunze, vol. 12, no. 5, Sep.-Oct. 1966.

**LOOMING [CREATIVE WORK]**, Issued by Eesti NSV Kirjanike Liit [Association of Writers of the Estonian S.S.R.]. Tallinn, no. 2, 1967. [In Estonian]

**MOKSIA**, Literaturno-khudozhestvennaia i obshchestvenno-politicheskii zhurnal [MOKSIA; Literary and Sociopolitical Almanac]. Saransk, no. 1, Jan.-Feb. 1967. [In Moldovan]

**MOSKVA [MOSCOW]**, Organ of Soluz pisatelei RSFSR and Moskovskoe otdelenie Soluza pisatelei RSFSR [Association of Writers of the R.S.F.S.R. and the Moscow Branch of the Association of Writers of the R.S.F.S.R.]. Moscow, vol. 11, no. 3, 1967

**NASHI SOVREMENNIIK [OUR CONTEMPORARY]**, Organ of Soluz pisatelei RSFSR [Association of Writers of the R.S.F.S.R.]. Moscow, no. 3, Mar. 1967.

**NEMAN [NEMAN RIVER]**, Organ of Soluz pisatelei BSSR [Association of Writers of the White Russian S.S.R.]. Minsk, vol. 16, no. 3, Mar. 1967

**NEVA**, Organ of Soluz pisatelei RSFSR and Leningradskoe otdelenie Soluza pisatelei [Association of Writers of the R.S.F.S.R. and the Leningrad Branch of the Association of Writers]. Leningrad, no. 3, 1967

**NOVAIA INOSTRANNAIA LITERATURA PO LITERATUROVEDENIU [NEW FOREIGN LITERATURE ON THE STUDY OF LITERATURE]**, Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, 1967.

**NOVAIA SOVETSKAIA LITERATURA PO LITERATUROVEDENIU [NEW SOVIET LITERATURE ON THE STUDY OF LITERATURE]**, Issued by Fundamental'naya biblioteka obshchestvennykh nauk Akademii nauk SSSR [Fundamental Library of Social Sciences of the Academy of Sciences of the U.S.S.R.]. Moscow, no. 1, 1967

**NOVYI MIR [THE NEW WORLD]**, Organ of Soluz pisatelei SSSR [Association of Writers of the U.S.S.R.]. Moscow, vol. 38, no. 10, Oct. 1962.

Table of contents translated:

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**POD'L'IM [UPSWING]**, Issued by Voronezhskoe otdelenie Soluza pisatelei RSFSR [Voronezh Branch of the Association of Writers of the R.S.F.S.R.]. Voronezh, no. 1, Jan.-Feb. 1967

**POLIARNAIA ZVEZDA [THE NORTH STAR]**, Organ of Soluz sovetskikh pisatelei Yakuti [Association of Writers of Yakutia]. Yakutsk, no. 1, Jan.-Feb. 1967

**PRATYR**, literaturno-khudozhnii in liromads'ko-politicheskii zhurnal [BANNER; Literary and Sociopolitical Magazine]. Issued by Spilka pys'mennykh Ukrainy [Association of Writers of the Ukraine]. Kharkov, no. 2, 1967.

**PROSTOR [WIDE-OPEN SPACES]**, Issued by Soluz pisatelei i TsK LKSM Kazakhstana [Association of Writers and the Central Committee of the Lenin Communist Youth League of Kazakhstan]. Alma-Ata, vol. 34, nos. 2-3, Feb.-Mar. 1967.

**PUNALIPPU [THE RED BANNER]**, Issued by Soluz pisatelei i TsK LKSM Azerbaidzhana [Association of Writers of the Azerbaijan S.S.R.]. Petrozavodsk, vol. 24, no. 1, 1967. [In Finnish]

**RADUGA [THE RAINBOW]**, Organ of Pravleniye Soluza pisatelei Ukrainy [Administration of the Association of Writers of the Ukraine]. Kiev, vol. 17, no. 2, Feb. 1967



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- GEOGRAFIKESKOE OBSHCHESTVO SSSR. Izvestia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Bulletin].** Moscow, vol. 98, no. 6, Nov.-Dec. 1966.
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- GEOGRAFIKESKOE OBSHCHESTVO SSSR. Krymskiy otdel. Izvestia [GEOGRAPHIC SOCIETY OF THE U.S.S.R. Crimean Branch, Bulletin].** Simferopol', no. 6, 1961.
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- LENINGRAD. GOSUDARSTVENNIY GIDROLOGICHESKIY INSTITUT. Sbornik rabot po gidrologii [STATE HYDROLOGICAL INSTITUTE. Papers on Hydrology].** No. 6, 1969.
- Table of contents translated:
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- \*OKEANOLOGIYA [OCEANOLOGY].** Issued by Okeanograficheskaya komissiya Akademii nauk SSSR [Oceanographic Commission of the Academy of Sciences of the U. S. S. R.]. Moscow, vol. 6, no. 6, 1966.
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- PESHCHERY [CAVES].** Issued by Permskii otdel Geograficheskogo obshchestva SSSR [Perm Branch of the Geographical Society of the U.S.S.R.] and others. Perm, no. 2(3), 1962.
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- VOKRUG SVETA [AROUND THE WORLD]** Issued by Tsentral'nyi komitet Vsesoyuznogo leninskogo kommunisticheskogo soyuza molodezhi [Central Committee of the All-Union Communist Youth League of Lenin]. Moscow, nos 2-3, 1967.
- VOPROSY GEOGRAFIY KAMCHATKI [PROBLEMS OF THE GEOGRAPHY OF KAMCHATKA].** Issued by Kamchatskii otdel Geograficheskogo obshchestva SSSR pri Akademii nauk SSSR [Kamchatka Branch of the Geographical Society of the U.S.S.R., Attached to the Academy of Sciences of the U.S.S.R.]. Petropavlovsk-Kamchatskii, no. 4, 1966.
- Table of contents translated
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- \* **AKADEMIA NAUK SSSR. Izvestiya. Seriya geologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Geological Series].** Moscow, no. 1, Jan. 1967.
- Table of contents translated
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- AKADEMIA NAUK SSSR. Geologicheskii institut. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Geological Institute. Transactions].** Moscow, no. 155, 1967.
- Contents: Petrov, O.M. [Stratigraphy and fauna of marine mollusks in the Quaternary deposits of Chukchi Peninsula] Stratigrafia i fauna morskikh moluskov chetvertichnykh otlozhenii Chukotskogo poluostr'ova. 287 p.
- No. 164, 1968
- Contents: Il'yevich, A.L. [Composition and conditions governing the formation of Akchagy' sediments of the Balkhan Range region of southern Turkmenia] Veshchestvennyi sostav i uslovia obrazovaniya akchagyl'skikh otlozhenii Pribalkhanskogo rai'ona Ugo-Zapadnoi Turkmenii. 100 p.
- No. 165, 1966
- Contents: Vol'vovskii, I.S., and others. [Tectonics of Turan Plateau] Tektonika Turanskoi plity. 286 p.
- AKADEMIA NAUK SSSR. Institut mineralogi, geokhimi i kristallografii i edkikh elementov. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallography of Rare Elements. Transactions].** Moscow, no. 4, 1967.
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- Table of contents translated.
- Gromov, V.I. - Principles for the construction of a periodization scheme of the Paleolithic. p. 7.
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- AKADEMIYA NAUK SSSR. Mineralogicheskii muzei. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Mineralogical Museum. Transactions]. Moscow, no. 12, 1961.
- Table of contents translated.
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- \*GEOKHMIA [GEOCHEMISTRY]. Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 10, 1961.
- Table of contents translated.
- Vinogradov, A.P., Grinenko, V.A., Ustinov, V.I. - Origin of the Carpathian sulfur deposits according to the isotope composition of  $S^{32}/S^{34}$  and  $C^{12}/C^{13}$ . p. 627.
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- Table of contents translated.
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- Table of contents translated.
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# LENINGRAD, NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. Tudy [SCIENTIFIC RESEARCH INSTITUTE OF ARCTIC GEOLOGY. Transactions]. Vol. 148, 1955.

Contents. Egiazarov, B. Kh., and others. [Geology and minerals of the Koryak Highland] Geologia i poleznye iskopaemye Koriakskogo nago'ia. 341 p. charts, maps (insert)

# LENINGRAD, NAUCHNO-ISSLEDOVATEL'SKII INSTITUT GEOLOGII ARKTIKI. Uchenye zapiski, Seriya "Paleontologiya i biostratigrafiya" [SCIENTIFIC RESEARCH INSTITUTE OF THE GEOLOGY OF THE ARCTIC. Studies, Series "Paleontology and Biostratigraphy"]. No. 10, 1965.

Table of contents translated

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# MINERALOGICHESKII SPORNIK [MINERALOGICAL REVIEW]. Issued by L'vovskiy gosudarstvennyy universitet [Lvov State University]. Lvov, vol. 20, no. 1, 1960.

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- MOSCOW UNIVERSITY, Vsesoyuz. Seriya 4: Geologiya [UNIVERSITY, Review, Series 4: Geology], Vol. 21, no. 8, Nov-Dec, 1966.
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- \*MOSKOVSKOE OBNICHESTVO ISPYTATELEI PRIRODY, Buhleien' [MOSCOW NATURALISTS' SOCIETY, Bulletin], New series, vol. 71, Otdel geologicheskii (Geological Section), Moscow, vol. 36, no. 3, May-June 1961.
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- TASHIKENT, UNIVERSITET. Nauchnye trudy [UNIVERSITY. Studies]. No. 234, 1964. Geologicheskie nauki [Geological Sciences], no. 20.
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- VSESOIUZNOE MINERALOGICHESKOE OBSHCHESTVO. Zapiski [ALL-UNION MINERALOGICAL SOCIETY. Annals]. Moscow, vol. 90, no. 1, 1961.
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- Table of contents translated:
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PAN VA TURMUSH [SCIENCE AND LIFE]. Issued by Akademika nauk Uzbekskoi SSR [Academy of Sciences of the Uzbek S.S.R.]. Tashkent, no.1(147), Jan.1967. [In Uzbek]

KIIMIA I ZHIZN' [CHEMISTRY AND LIFE]. Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.3, no.2, Feb.1967.

NAUKA I SUSPILSTVO [SCIENCE AND SOCIETY]. Issued by Tovarystvo "Znannya" Ukrainy [Ukrainian SSR "Znannya" Society of the Ukrainian S.S.R.]. Kiev, vol.10, no.3, Mar.1967.

NAUKA I ZHIZN' [SCIENCE AND LIFE]. Issued by Vsesoyuznoe obshchestvo "Znanie" ["Knowledge" All-Union Society]. Moscow, vol.33, no.2, Feb.1967.

NOVYYE KNIGI ZA RUBEZHOM. Seriya A. Matematika, mekhanika, astronomiya, geofizika, fizika, khimiya, geologiya, fizicheskaya geografiya [NEW FOREIGN BOOKS Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physical Geography]. Moscow, vol.20, nos.2-3, Feb. Mar.1967.

TRIKODA [NATURE]. Issued by Akademika nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no.1, Jan.1967.

## Table of contents translated

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REFERATIVNIYI ZHURNAL KIBERNETIKA [JOURNAL OF ABSTRACTS CYBERNETICS]. Issued by Vsesoyuznyi institut nauki i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, no.2, Feb.1967.

ZNANNA TA PRATSA [KNOWLEDGE AND WORK]. Issued by Tsentral'nyi komitet Leninskoho komunisticheskoho soyuza molodi Ukrainy [Central Committee of the Ukrainian Communist Youth League of Lenin]. Kiev, no.2(324), Feb.1967.

## b. ASTRONOMY

AKADEMIA NAVUK BSSR, Institut teoreticheskoi astronomii, Bialleten' [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of Theoretical Astronomy, Bulletin]. Leningrad, vol.10, no.6(118), 1965.

Table of contents translated:  
Nam Tun Po - Effect of braking forces on the motion of a satellite relative to the mass center. p.317.

- Mam Tum Po - Effect of aerodynamic braking on the motion of a spherical satellite relative to the mass center. p.324.
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\*ASTROFIZIKA [ASTROPHYSICS]. Issued by Akademiya nauk Armlanskoi SSR [Academy of Sciences of the Armenian S.S.R.]. Erevan, vol. 2, no. 4, Dec 1966

Table of contents translated:

- Iakovkin, N. A., Kostik, R. I. - Matrix equations describing diffusion of radiation. Part I. p. 379.
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ETALONNOE VREMIA V SREDNIE MOMENTY PEREDACH RADIO SIGNALOV [OFFICIAL TIME AT MEAN MOMENTS OF RADIO SIGNAL TRANSMISSIONS]. Issued by Vsesoyuznyi nauchno-issledovatel'skii institut fiziko-tekhnicheskikh i radiotekhnicheskikh izmerenii [All-Union Scientific Research Institute of Physical and Radio Measurements]. Moscow, Jan.-May 1966.

\*RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spezial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, geodeziia i aerofotogrammetriia [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Geodesy and Aerial Photography]. Moscow, no. 6, 1962.

Table of contents translated:

- Viduev, N. G. - Calculating the accuracy of layout surveys. p.3.
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SHEMAKHA, ASTROFIZICHESKAA OBSERVATORIIA. Trudy [ASTROPHYSICAL OBSERVATORY. Transactions]. Baku, vol.3, 1964.

Table of contents translated:

- Guseinov, R. E. - Cause of increase in brightness of flocculi during chromospheric flares. p.5.
- Eminzade, T. A. - Mass of degenerate overdense configuration. p.12.
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TARTU, ASTRONOMIA OBSERVATORIUM. Publikatsioid, Publikatsii Tartuskoj astronomicheskoj observatorii [ASTRONOMICAL OBSERVATORY. Publications]. Vol.35, 1966.

VILNA, ASTRONOMIJS OBSERVATORIIA. Biuletenis, Biulleteni Vil'nuskoj astronomicheskoj observatorii [ASTRONOMICAL OBSERVATORY. Bulletin]. No.13, 1964, no.15, 1965.

ZVAIGZNOTA DEBES [STARRY SKY]. Issued by Latvijas PSR Zinatnu Akademijas Astrofizikas laboratorija [Astrophysical Laboratory of the Academy of Sciences of the Latvian S.S.R.]. Riga, Autumn, 1966. [In Latvian]

## C BIOLOGY

AKADEMIJA NAUK KAZAKHSTANSSR, Alma-Ata. Institut fiziologii. Trudy [ACADEMY OF SCIENCES OF THE KAZAKH S.S.R. Institute of Physiology. Transactions]. Alma-Ata, vol.10, 1966.

Table of contents translated:

- Bazanov, N. U., Moiseev, V. A. - Relationship of cellulose decomposition in rumen and cecum of sheep. p.5.
- Moiseev, V. A. - Cellulose decomposition in sheep rumen as related to physiological conditions. p.13.
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AKADEMIJA NAUK SSSR. Gelfmologicheskaja laboratorija. Osnovy neomatologii [ACADEMY OF SCIENCES OF THE U.S.S.R. Helminthological Laboratory. Principles of Nematology]. Moscow, vol.14, 1966.

Contents. Skrinbin, K. I., Sholev, A. A., Ivanikina, V. M. [Spiruridae of animals and man and diseases caused by them, Pt.3. Acuariidae] Spiruraty zhivotnykh i cheloveka i vyzyvaemye imi zabolevaniia. Pt.3. Akuarioidel. 572 p.

AKADEMIJA NAUK SSSR. Institut biologii vnutrennikh vod. Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R. Institute of the Biology of Inland Waters. Transactions]. Moscow, no.16 (13), 1966.

Table of contents translated:

- Volodin, V. M. - Development of *Pelecus cultratus* (L.) in Rybinsk Reservoir. p.3.
- Volodin, V. M. - Fecundity of *Pelecus cultratus* (L.) in Rybinsk Reservoir. p.9.
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- AKADEMIA NAUK SSSR, Kazanskii filial, Trudy. Seriya biologicheskikh nauk [ACADEMY OF SCIENCES OF THE U.S.S.R., Kazan Branch, Transactions, Series in the Biological Sciences]. Kazan, no. 5, 1969.
- Table of contents translated:
- Anodim, P. S., Korshunov, M. A. - Effect of deep subsurface tillage of gray forest soils on nutrients and the yield of agricultural crops in the Tatar A. S. S. R. p. 7.
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- AKADEMIA NAUK SSSR, Sibirskoe otdelenie, Limnologicheskii Institut, Trudy [ACADEMY OF SCIENCES OF THE U.S.S.R., Siberian Department, Limnological Institute, Transactions]. Moscow, vol. 10 (30), 1969.
- Table of contents translated:
- Sergeev, N. I. - Effect of thermal and dynamic factors on seasonal transformations of pressure fields over Asiatic U. S. S. R. p. 3.
- Krotova, V. A., Lut, L. I. - Distribution of atmospheric pressure at sea level in Lake Baikal region. p. 14.
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- Table of contents translated:
- Kabilov, R. - Some data on floodplain soils of Vakhsh Valley. p. 3.
- Chukavin, I. G. - Some botanical and geographical characteristics of subtropical fruit trees of Darvaza Range. p. 20.
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- Table of contents translated:
- Narsikulov, M. N. - Review of some scientific advances in biological method of controlling injurious insects and its future development in Tajikistan. p. 3.
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- Table of contents translated
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- \*BIOFIZIKA [BIOPHYSICS]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 11, no. 5, 1966.
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- \*FIZIOLOGICHESKII ZHURNAL SSSR [PHYSIOLOGICAL JOURNAL OF THE U.S.S.R.]. Issued by Vsesoyuznoe fiziologicheskoe obshchestvo [All-Union Physiological Society]. Moscow, vol. 49, no. 3, Mar. 1963.
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- Vol. 52, no. 12, Dec. 1966.
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- \*GENETIKA [GENETICS], Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, no. 11, 1966.
- Table of contents translated:
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- GIDROBIOLOGICHESKII ZHURNAL [HYDROBIOLOGICAL JOURNAL]. Organ of Odolentse obshchestvo i Akademiya nauk Ukrainy SSSR [Department of General Biology of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 2, no. 6, 1966.
- Table of contents translated:
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MIKROBIOLOGICHNYI ZHURNAL (JOURNAL OF MICROBIOLOGY). Issued by Institut mikrobiologii Akademii nauk USSR [Institute of Microbiology of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 24, no. 3, 1962.

Table of contents translated  
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\* MIKROBIOLOGIJA [MICROBIOLOGY]. Published by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 35, no. 6, Nov.-Dec. 1966.

Table of contents translated  
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MOSCOW, UNIVERSITY. Vestnik, Seria 6: Biologia, pozhivovedenie [UNIVERSITY. Review. Series 6: Biology, Soil Science]. Vol. 21, no. 5, Sep.-Oct. 1966.

Table of contents translated  
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\* RADIOBIOLOGIJA [RADIOBIOLOGY]. Issued by Akademiia nauk SSSR [Academy of Sciences of the U. S. S. R.]. Moscow, vol. 2, no. 4, 1962.

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- \*USPEKHI SOVREMENNOI BIOLOGII [PROGRESS IN CONTEMPORARY BIOLOGY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol. 52, no. 1(4), July-Aug. 1961.
- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated:
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- Perushin, A. S. - Observations on delivery of sperm whales p. 1892
- Brief news and information p. 1890.

## d. CHEMISTRY

AKADEMIA NAUK AZERBAIDZHANSKOI SSR, Baku, Institut khimii, T'yuzh [ACADEMY OF SCIENCES OF THE AZERBAIJAN S.S.R. Institute of Chemistry, Transcaucasia], Baku, vol. 20, 1964. Problems of metal corrosion.

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\*AKADEMIA NAUK SSSR, Izvestiya. Seriya khimicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R., Bulletin. Chemical Series], Moscow, no. 12, 1966.

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- Kuznetsov, A. K., Koler, E. K. - Rare earth zirconates and their physicochemical properties. Report No. 3. Some regularities in the formation, physicochemical and technical properties of zirconates p. 2073
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- \*KOLLOIDNYI ZHURNAL [COLLOID JOURNAL]** Issued by Akademicheskaya SSSR [Academy of Sciences of the U.S.S.R.], Moscow, vol.23, no.3, May-June 1961.
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- \*MOSCOW, UNIVERSITY. Vestnik, Seriya 2: Khimiya [UNIVERSITY. Review, Series 2: Chemistry].** Vol.21, no.6, Nov.-Dec.1966.
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# MATHEMATICS

- EMIA NAUK ARMIAKOSI SSR, *Erlyan, Izvestia matematika* [ACADEMY OF SCIENCES OF THE AR-  
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- EMIA NAUK GRUZINSKOI SSR, *Tbilis, Vychislitel'tsentr* [Trudy [ACADEMY OF SCIENCES OF GEORGIAN S.S.R. Computational Center], Trans-  
actions. Tbilis, vol. 7, 1, 1968, Some problems in stability theory and mathematical statistics.
- Table of contents translated:
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- EMIA NAUK SSSR, *Izvestia. Seriya matematicheskaya* [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Mathematical Series]. Moscow, vol. 30, no. 5, 1968.
- Table of contents translated:
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- AKADEMIYA NAUK SSSR, *Sibirskoe otdelenie. Seminar algebr i logiki. Algebra i Logika* [ACADEMY OF SCIENCES OF THE U.S.S.R. Siberian Department. Seminar of Algebra and Logic. Algebra and Logic]. Novosibirsk, vol. 5, no. 4, 1966.
- Table of contents translated:
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- Table of contents translated:
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- \*KIBERNETIKA [CYBERNETICS]. Organ of Otdelenie matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainoskoi SSR [Department of Mathematics, Mechanics and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, no. 5, Sep.-Oct. 1966.

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MATEMATICHESKII SBORNIK [MATHEMATICAL REVIEW] Issued by Akademiya nauk SSSR and Moscow State Mathematical Sciences Society [Academy of Sciences of the U.S.S.R. and the Moscow Mathematical Society] Moscow, vol. 71 (113), no. 4, Dec. 1966.

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- Table of contents translated
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\*PRIKLAADNAIA MATEMATIKA I MEKHANIKA [APPLIED MATHEMATICS AND MECHANICS]. Issued by Otdelenie tekhnicheskikh nauk Akademii nauk SSSR [Technological Sciences Department of the Academy of Sciences of the U.S.S.R.]. Moscow, vol. 30, no. 6, Nov.-Dec. 1966.

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REFRATIVNYI ZHURNAL. MATEMATIKA [JOURNAL OF ABSTRACTS. MATHEMATICS]. Issued by Vsesoyuznyi Institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, Avtor'skii indeks 1966 g. 1965 g. [Author index for 1965]

TEORIYA POLOGRUPP I ICH PRILozHENIYA [THEORY OF SEMIGROUPS AND ITS APPLICATIONS]. Seriya 1, no. 1, 1966.

- Table of contents translated
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- Table of contents translated
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- Table of contents translated:
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#### VYCHISLITEL'NAYA TEKHNIKA [COMPUTER TECHNOLOGY]. Issued by Moskovskoe vysshee tekhnicheskoe uchilishche [Moscow Technical College]. Moscow, no. 5, 1966.

##### Table of contents translated:

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##### Table of contents translated:

- Bakhtalov, N. S. - Algorithms for the selection of an integration step, p. 3.

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#### VYCHISLITEL'NYE SISTEMY [COMPUTER SYSTEMS]. Issued by Institut matematiki Sibirskogo otdeleniya Akademii nauk SSSR [Institute of Mathematics of the Siberian Department of the Academy of Sciences of the U.S.S.R.]. Novosibirsk, no. 22, 1966.

##### Table of contents translated:

- Zagorukov, N. G. - Classification of problems concerning the recognition of images, p. 3.
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#### \*ZHURNAL VYCHISLITEL'NOI MATEMATIKI I MATEMATICHESKOI FIZIKI [JOURNAL OF COMPUTER MATHEMATICS AND MATHEMATICAL PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 7, no. 1, Jan.-Feb. 1967.

##### Table of contents translated:

- Klinev, V. V., Kukovskii-Shesterbak, N. I. - Minimization of computation algorithms in certain matrix transformations, p. 3.
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#### † PHYSICS

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##### Table of contents translated:

- Kogan, S. I. A. - Short review of seismic wave absorption theories. Part I, p. 3.
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- \* AKADEMIYA NAUK SSSR. Izvestiya, Seriya fizicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin, Physical Series]. Moscow, vol. 31, no.1, Jan. 1967.
- Table of contents translated
- Hrasnik, B., Knapp, V., Vlatkovic, M. - Nuclear  $\gamma$  resonances in  $^{119}\text{Sn}$  and  $^{120}\text{Sn}$ . p.98.
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- Electron and vibrational molecular spectra.
- Table of contents translated
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- CHEKOSLOVATSKII FIZICHESKII ZHURNAL. CZECHOSLOVAK JOURNAL OF PHYSICS. Issued by Czechoslovak Academy of Sciences. Prague, vol.17, nos.2-3, 1967.
- \* FIZIKA TVERDOGO TELA [SOLID STATE PHYSICS]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol.8, no.11, Nov.1966.
- Table of contents translated
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- LENINGRAD. GLAVNAIA GEOFIZICHESKAYA OBSERVATORIA [MAIN GEOPHYSICAL OBSERVATORY] Solar Radiation and Radiation Balance Data, Solnechnaya radiatsiya i radiatsionnyy balans, Nov.-Dec. 1965, publ. 1966.
- LENINGRAD. GLAVNAIA GEOFIZICHESKAYA OBSERVATORIA. Trudy [MAIN GEOPHYSICAL OBSERVATORY. Transactions]. No. 184, 1966. Actinometry, atmospheric optics, and ozonometry.
- Table of contents translated:
- Belinskii, V. A., Semenchuk, B. A. - Ultraviolet radiation at various heights in cloudless aerosol atmosphere. p. 3.
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- No. 169, 1966. Studying boundary layer of atmosphere with the aid of helicopters and gliders.
- Table of contents translated:
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- No. 199, 1966. Meteorological instruments and automation of meteorological measurements.
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- LENINGRAD. NAUCHNO-ISSEDOVATELSKII INSTITUT GIDROMETEOROLOGICHESKOGO PRIBOROSTROENIYA. Trudy [SCIENTIFIC RESEARCH INSTITUTE OF HYDROMETEOROLOGICAL INSTRUMENT MANUFACTURE. Transactions]. No. 15, 1966.
- Table of contents translated:
- Torochkov, V. I. U. - Integral rhumbometer. p. 3.
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- LIETUVOS FIZIKOS RINKINYS. LITOVSKII FIZICHE-SKII SBORNIK [LITHUANIAN PHYSICS PAPERS]. Issued by Lietuvos TSR Mokslu akademija and Lietuvos TSR aukštojo mokyklos [Academy of Sciences of the Lithuanian S.S.R. and the Institutions of Higher Learning of the Lithuanian S.S.R.]. Vilnius, vol. 8, no. 3, 1966.
- MIROVOI METEOROLOGICHESKII TSENTR. Trudy [WORLD METEOROLOGICAL CENTER. Transactions]. Leningrad, no. 14, 1966. Problems of hydrodynamic short-range weather forecasting and mesometeorology.
- Table of contents translated:
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- MIROVOI TSFNTN DANNYKH B1 katalor dann, kh po meteorologicheskoi iadrenoi radiatsii [WORLD DATA CENTRAL B1 Catalog of Meteorology and Nuclear Radiation Data] Jan - June 1966 Moscow, July 1966
- MOSCOW, NAUCHNO-ISSEDOVATEL'SKII INSTITUT AEROKLIMATOLOGII, Trudy [SCIENTIFIC RESEARCH INSTITUTE OF AEROCCLIMATOLOGY, Transactions], Moscow, no. 36, 1966, Problems of marine climatology.
- Table of contents translated
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- MOSCOW, TSENTRAL'NYI INSTITUT PROGNOZOV Meteorologicheskii buleten' [CENTRAL WEATHER INSTITUTE Meteorological Bulletin], Sep. 1958, publ. 1959
- \*MOSCOW, UNIVERSITET, Vestnik Seriya 3 Fizika, astronomia [UNIVERSITY Review, Series 3 Physics, Astronomy], Vol. 21, no. 6, Nov. Dec. 1965
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- \*OPTIKA I SPEKTROSKOPIA [OPTICS AND SPECTROSCOPY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 21, no. 6, Nov. 1966.
- Table of contents translated
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- PROBLEMY MATEMATICHESKOI FIZIKI [PROBLEMS OF MATHEMATICAL PHYSICS]. Issued by Leningradskii gosudarstvennyi universitet [Leningrad State University], Leningrad, no. 1, 1966. Spectra theory and wave processes.
- Table of contents translated
- Atent'syn, A. G. - Lamb's problem for an inhomogeneous elastic half-space. p. 5.
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- REFERATIVNYI ZhURNAL: FIZIKA [JOURNAL OF ABSTRACTS PHYSICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 2, Feb. 1967.
- \*REFERATIVNYI ZhURNAL: MEKHANIKA [JOURNAL OF ABSTRACTS MECHANICS]. Issued by Institut nauchnoi informatsii Akademii nauk SSSR [Institute of Scientific Information of the Academy of Sciences of the U.S.S.R.], Moscow, no. 2, Feb. 1967.

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- ТЕПЛОФИЗИКА ВЫСОКИХ ТЕМПЕРАТУР [THERMOPHYSICS OF HIGH TEMPERATURES]**. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 4, no. 6, Nov.-Dec. 1966.
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- ТРАНСКРИПТИЗИЧНИЙ ЖУРНАЛ [UKRAINIAN PHYSICS JOURNAL]**, issued by Viddi fizyky Akademi nauk URSS [Department of Physics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol.4, no.5, Sep.-Oct. 1966.
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- \*ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI. Pis'ma v redaktsiiu [JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. Letters to the Editors]. Issued as a supplement to the journal. Moscow, vol.4, no.3, Aug. 1966.
- Table of contents translated:
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KARDIOLOGIYA [CARDIOLOGY]. Issued by Ministerstvo zdorov'ia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 3, no. 1, Jan.-Feb. 1967.

Table of contents translated.

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- \*KLINICHESKAYA MEDITSINA [CLINICAL MEDICINE]** Published by Ministerstvo zdorovokhraneniia SSSR [Ministry of Health of the U.S.S.R.] Moscow, vol. 47, no. 12, Dec 1966, vol. 18, no. 2, Feb 1967 (DNLM)
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\*MEDITSINSKII REFERATIVNYI ZHURNAL [MEDICAL ABSTRACTS]. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, Razdel [Section] 1, vol. 11, no. 2, Feb. 1967. Razdel [Section] 3, vol. 11, no. 2, Feb. 1967. Razdel [Section] 4, vol. 11, no. 2, Feb. 1967.

MEDITSINSKII ZHURNAL UZBEKISTANA [MEDICAL JOURNAL OF UZBEKISTAN]. Issued by Ministerstvo zdravookhraneniia i Akademii nauk UZSSR [Ministry of Health and the Academy of Sciences of the Uzbek S.S.R.]. Tashkent, vol. 12, Dec. 1966.

NOUKOGUDE ESTI TERVISHOD [HEALTH SERVICE OF SOVIET ESTONIA]. Organ of Eesti NSV Tervishoiu Ministerium [Ministry of Health of the Estonian S.S.R.]. Tallinn, vol. 10, no. 1, Jan.-Feb. 1967. [In Estonian]

ORDZHONIKIDZE, SEVERO-OSETINSKII GOSUDARSTVENNYI MEDITSINSKII INSTITUT. Sbornik nauchnykh trudov [NORTH OSETIAN STATE MEDICAL INSTITUTE, Papers]. no. 10, 1961 [cover 1962]

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- VESTNIK RENTGENOLOGII I RADIOLOGII [REVIEW OF ROENTGENOLOGY AND RADIOLOGY].** Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 11, no. 6, Nov.-Dec. 1966.
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- Lemberg, A. A., Antonovich, V. B., Nemiro, E. A. - All-Union symposium on the exchange of experience in teaching methodology and research work for roentgenology and radiology department heads of institutes for postgraduate studies by physicians. p. 90.
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- ZDRAVOOKHRANENIE BELORUSSII [HEALTH SERVICE OF WHITE RUSSIA].** Organ of Ministerstvo zdravookhraneniia BSSR [Ministry of Health of the White Russian S.S.R.]. Minsk, vol. 13, nos. 2-3, Feb.-Mar. 1967.
- ZDRAVOOKHRANENIE KAZAKHSTANA [HEALTH SERVICE OF KAZAKHSTAN].** Issued by Ministerstvo zdravookhraneniia Kazakhskoi SSR [Ministry of Health of the Kazakh S.S.R.]. Alma-Ata, vol. 27, nos. 1(250)-2(251), Jan.-Feb. 1967. (DNLM)
- ZDRAVOOKHRANENIE ROSSIISKOI FEDERATSII [HEALTH SERVICE OF THE RUSSIAN FEDERATION].** Issued by Ministerstvo zdravookhraneniia RSFSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 11, no. 2, Feb. 1967.
- Table of contents translated
- New stage in control of tuberculosis. p. 3.
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- ZDRAVOOKHRANENIE TADZHIKISTANA [HEALTH SERVICE OF TAJIKISTAN].** Issued by Ministerstvo zdravookhraneniia Tadzhikskoi SSR [Ministry of Health of the Tajik S.S.R.]. Dushanbe, vol. 14, no. 1(76), 1967.
- \*ZHURNAL MIKROBIOLOGII, EPIDEMIOLOGII I IMMUNOLOGII [JOURNAL OF MICROBIOLOGY, EPIDEMIOLOGY, AND IMMUNOLOGY].** Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 44, no. 1, Jan. 1967.
- Table of contents translated:
- Toward new victories. p. 3.
- Rogozin, I. I., Dubitskaya, Z. I. - Antiepidemic and prophylactic measures in the U.S.S.R. during 50 years. p. 6.
- Kalimazova, E. I., Oetrovskaya, N. N. - Characteristics of Brucella isolated on territory of the U.S.S.R. p. 12.
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## b. GYNECOLOGY, OBSTETRICS &amp; PEDIATRICS

**PEDIATRIA [PEDIATRICS]**. Published by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 48, no. 2, Feb 1987 (DNLM)

**VOPROSY OKHRANY MATERINSTVA I DETSTVA [PROBLEMS OF MATERNAL AND CHILD CARE]**. Issued by Ministerstvo zdravookhraneniia SSSR [Ministry of Health of the R.S.F.S.R.]. Moscow, vol. 12, no. 3, Mar 1987

## c. NEUROLOGY &amp; PSYCHIATRY

\* **AKADEMIA NAUK SSSR, Institut vysshei nervnoi deiatel'nosti, Trudy, Seriya patofiziologicheskaya [ACADEMY OF SCIENCES OF THE U.S.S.R., Institute of the Higher Nervous Function, Transactions, Pathophysiological Series]**. Moscow, vol. 10, 1982. Voprosy neuro-radiologii [Problems of neuro-radiology].

Table of contents translated:

- Premikovskii, I. - Foreword, p. 3.  
 Alrapellants, M. G. - Characteristics of the formation and functioning of temporary connections in early postnatal ontogeny in puppies irradiated on the 45th day of embryogenesis, p. 11.  
 Alrapellants, M. G. - Characteristics of the formation and functioning of temporary connections in early postnatal ontogeny in puppies irradiated on the 26th day of embryogenesis, p. 27.  
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**MOSCOW, GOSUDARSTVENNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT PSIKHIATRII, Trudy [STATE SCIENTIFIC RESEARCH INSTITUTE OF PSYCHIATRY, Transactions]**. Tomsk, vol. 20, 1981.

Table of contents translated:

- Perel'man, A. A. - Clinical aspects, pathophysiology, etiology and treatment of schizophrenia, p. 7.  
 Rokhlin, L. L. - Relationship between psychogenic and schizophrenia, p. 10.  
 Zhislin, S. G., and others. - Clinical aspects, pathogenesis, and treatment of late schizophrenia and other psychoses in the period of involution; hormonal disorders in psychoses in the period of involution, p. 23.  
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\* **ZHURNAL NEVROPATHOLOGII I PSIKHIATRII [JOURNAL OF NEUROPATHOLOGY AND PSYCHIATRY]**. Issued by Vsesoyuznoe obshchestvo nevropatologov i psikiatrov [All-Union Society of Neuropathologists and Psychiatrists]. Moscow, vol. 62, no. 11, 1982.

Table of contents translated:

- Shmidt, E. V. - Some unresolved problems in the pathogenesis, clinical aspects and treatment of disorders of the large vessels of the head, p. 160.  
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- \*ZHURNAL VYSSHEI NERVENNOI DEIATEL'NOSTI [JOURNAL ON HIGHER NERVOUS ACTIVITY]. Issued by Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.]. Moscow, vol. 12, no. 6, Nov.-Dec. 1962.
- Table of contents translated:
- Saritsov, S. A. - Natural science and philosophical problems concerning the current state of knowledge about the brain. p. 985.
- Baranovskiy, V. V., Emel'nikov, M. D., Kuznetsov, A. G. - Interaction of analysts during flight in airplanes and spaceships. p. 1001.
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## d OPHTHALMOLOGY &amp; OTORHINOLARYNGOLOGY

OFTALMOLOGICHESKII ZHURNAL [OPHTHALMOLOGICAL JOURNAL]. Issued by Ministerstvo zdravookhraneniya USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 22, no. 1, 1967.

ZHURNAL USHNYKH, NOSOVYKH I GORLOVYKH BOLEZNEI [JOURNAL OF EAR, NOSE, AND THROAT DISEASES]. Issued by Ministerstvo zdravookhraneniya USSR [Ministry of Health of the Ukrainian S.S.R.]. Kiev, vol. 19, no. 4, July-Aug. 1959.

Table of contents translated:

- Professor A. G. Litkachev, on his 60th birthday p. 3.
- Khilov, K. L. - Comparative evaluation of various methods for treating barycoia in otosclerosis. p. 5.
- Khanamirov, A. N. - Surgical restoration of hearing in otosclerosis. p. 12.

- Kolomilchenko, A. I. - Prospects for surgery on the stapes in otosclerosis. p. 18.
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- Vol. 19, no. 6, Nov.-Dec. 1959.
- Table of contents translated:
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## e PATHOLOGY &amp; HISTOPATHOLOGY

AKADEMIYA MEDITSINSKIIH NAUK SSSR, Moscow. Estonskii institut eksperimental'noi i klinicheskoi meditsiny. Tudy [ACADEMY OF MEDICAL SCIENCES OF THE U.S.S.R., Estonian Institute of Experimental and Clinical Medicine. Transactions]. Tallinn, vol. 2, 1966. Tudy po kuznetologii [Transactions on Health Resorts], no. 3. (DNL.M)

ARHIV PATOLOGII [ARCHIVES OF PATHOLOGY]. Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 29, no. 12, 1966.

Table of contents translated:

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Table of contents translated:

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- Table of contents translated
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- LENINGRAD, PEDIATRICHESKII MEDITSINSKII INSTITUT**, Trudy [PEDIATRIC MEDICAL INSTITUTE, Transactions], Vol. 37, 1965. Voprosy patologii krovi i krovoobrazheniya [Problems of the pathology and circulation of blood], no. 7.
- Table of contents translated
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- (DNLM)
- \*PROBLEMY GEMATOLOGII I PERELIVANIA KROVI [PROBLEMS OF HEMATOLOGY AND BLOOD TRANSFUSION]**, Issued by Ministerstvo zdravookhraneniya SSSR [Ministry of Health of the U. S. S. R.], Moscow, vol. 10, no. 12, Dec. 1965.
- Table of contents translated:
- Chernov, V. A., Safonova, T. S. - Basic trends in the search for antileukemic therapeutic agents. p. 3.
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GIGIENA TRUDA I PROFESSIONAL'NYE ZADOLEVANIYA [INDUSTRIAL HYGIENE AND OCCUPATIONAL DISEASES]. Issued by Ministerstvo zdorovokhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 11, nos. 2-3, Feb.-Mar. 1967, (DNLM).

MEDITSINSKAIA SESTRA [MEDICAL NURSE]. Issued by Ministerstvo zdorovokhraneniia SSSR [Ministry of Health of the U.S.S.R.]. Moscow, vol. 26, nos. 3-4, Mar.-Apr. 1967.

## h. SURGERY & DENTISTRY

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- KHIMIA V SEL'SKOM KHOZIAISTVE [CHEMISTRY IN AGRICULTURE]. Organ of Gosudarstvennyi komitet khimicheskoi promyshlennosti pri Gosplane SSSR and Ministerstvo sel'skogo khoziaistva SSSR [State Committee for the Chemical Industry, Attached to the State Planning Committee of the U.S.S.R. and the Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 5, no. 1, Jan. 1967.
- Table of contents translated:
- Katalymov, M. V. - Toward new achievements and development of the chemical industry and chemicalization of agriculture. p. 2.
- Kallazin, I. A., Presniakov, N. A. - Effect of fertilizers applied to green fallow crops on the yield of winter wheat. p. 3.
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- KREST'YANKA [THE PEASANT WOMAN] Published by Izd-vo [Publishing House] "Pravda." Moscow, vol. 45, no. 3, Mar. 1967.
- LENINGRAD, AGROFIZICHESKII NAUCHNO-ISSLEDOVATELSKII INSTITUT, Biulleten' nauchno-tekhnicheskoi informatsii po agronomicheskoi fizike [AGROPHYSICAL SCIENTIFIC RESEARCH INSTITUTE, Bulletin of Scientific and Technical Information on Agro-nomic Physics], no. 8/9, 1960.
- Table of contents translated:
- Academician Abram Fedorovich Ioffe, obituary. p. 3.
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- LENINGRAD, SEVERO-ZAPADNYI NAUCHNO-ISSLEDOVATELSKII INSTITUT SIL'SKOGO KHOZIAISTVA, Nauchnye izyudy [NORTHWESTERN SCIENTIFIC RESEARCH INSTITUTE OF AGRICULTURE, Studies], No. 11, 1966.
- MEKHANIZATSIYA I ELEKTRIFIKATSIYA SOTSIALISTICHESKOGO SEL'SKOGO KHOZIAISTVA [MECHANIZATION AND ELECTRIFICATION OF SOCIALIST AGRICULTURE]. Issued by Ministerstvo sel'skogo khoziaistva SSSR [Ministry of Agriculture of the U.S.S.R.]. Moscow, vol. 25, no. 2, 1967.
- Table of contents translated:
- Listov, P. N., Shelchukov, S. V. - Electrification of agriculture in the current five-year plan. p. 2.
- Sablukov, M. V. - Agricultural machines as an important discipline of Soviet science. p. 6.
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- MEKHANIZATSIYA SIL'SKOGO HOZPODARSTVA [MECHANIZATION OF AGRICULTURE]. Organ of Izdatel'stvo ob'ednannaya Rada Ministrov URSR [Ukrainian Association "Ukrainian Scientific Institute"] of the Council of Ministers of the Ukrainian S.S.R., Kiev, vol. 17, no. 3 (193), Mar. 1966; vol. 18, no. 2 (200), Feb. 1967.
- MOSCOW, INSTITUT INZHENEROV ZEMLEUSITROSTVA. Izdy [INSTITUTE OF LAND UTILIZATION ENGINEERS, Transactions], No. 31, 1965.
- MOSCOW, MOSKOVSKAYA SEL'SKOKHOZIAISTVENNAYA AKADEMIYA IM. TIMIRIAZ'YEVA. Doklady [TIMIRIAZEV AGRICULTURAL ACADEMY OF MOSCOW, Reports], No. 44, 1959. Mechanization and electrification of agriculture, geodesy.
- Table of contents translated:
- Karpenko, A. N. - Immediate tasks of the overall mechanization of farming. p. 5.
- Listov, P. N. - Recent developments in the mechanization and electrification of agriculture based on the materials of the World Exhibition of 1953 in Brussels. p. 17.
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- No 45, 1959 Zootechny  
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- No. 4, Apr. 1960.  
Table of contents translated:  
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- No. 1, Jan. 1967.  
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- SARATOV, INSTITUT MEKHAIZATSEI SEL'SKOGO KHOZIAISTVA. Trudy [INSTITUTE OF THE MECHANIZATION OF AGRICULTURE. Transactions.] No. 24, 1961. Resistance welding.  
Table of contents translated:
- Sokolov, N. M. - Necessity of scientific justification of technical specifications for the equipment of a resistance welding. p. 3.
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- SARATOV, SEL'SKOKHOZIAISTVENNYI INSTITUT. Trudy [AGRICULTURAL INSTITUTE. Transactions.] Vol. 18, no. 3, 1965. Forest management and forest improvement.  
Table of contents translated:
- Akademova, Z. I. - Indices of the productivity of oak coppice wood in various types of forests in Saratov Province. p. 3.
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- \*POCHVOVEDENIE [SOIL SCIENCE]. Issued by Akademiya nauk SSSR (Academy of Sciences of the U. S. S. R.). Moscow, no. 3, Mar. 1960.  
Table of contents translated:
- Kononova, M. M., D'akonova, K. V. - Organic matter in soil and plant nutrition. p. 1.
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- SEL'SKAYA NOV' [RURAL NEWS] Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Kiev, U.S.S.R., no. 2, Feb. 1967 (DNL)
- SEL'SKOP MEKHANIZATOR [RURAL MECHANIC] Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.] Moscow, no. 2, Feb. 1967
- SEL'SKOE KHOZIAISTVO, sistematicheskii ukazatel' statei v mosti rnykh zhurnalakh [AGRICULTURE, Classified Index of Articles in Foreign Periodicals]. Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka and Vsesoyuznaya gosudarstvennaya biblioteka inostrannoi literatury [Central Agricultural Library and the All-Union State Library of Foreign Literature], Moscow, no. 1 (129), 1967.
- SEL'SKOE KHOZIAISTVO KAZAKHSTANA [AGRICULTURE OF KAZAKHISTAN] Issued by Tsentral'nyi Komitet Kommunisticheskoi partii Kazakhstana [Central Committee of the Communist Party of Kazakhstan] Al. a-Ala, no. 2, Feb. 1967
- SEL'SKOE KHOZIAISTVO KIRGIZII [AGRICULTURE OF KIRGIZIA] Issued by Ministerstvo sel'skogo khozaistva Kirgizskoi SSR [Ministry of Agriculture of the Kirgiz S.S.R.] Frunze, vol. 13, no. 2, Feb. 1967
- SEL'SKOE KHOZIAISTVO MOLDAVII [AGRICULTURE OF MOLDAVIA] Issued by Ministerstvo sel'skogo khozaistva Moldavskoi SSR [Ministry of Agriculture of the Moldavian S.S.R.], Kishinev, vol. 12, no. 2, Feb. 1967
- SEL'SKOE KHOZIAISTVO TADZHIKISTANA [AGRICULTURE OF TAJIKISTAN] Organ of Ministerstvo sel'skogo khozaistva Tadzhikskoi SSR [Ministry of Agriculture of the Tajik S.S.R.] Dushanbe, vol. 21, nos. 2-3, Feb.-Mar. 1967
- SEL'SKOE KHOZIAISTVO TURKMENISTANA [AGRICULTURE OF TURKMENISTAN] Issued by Ministerstvo sel'skogo khozaistva Turkmeniskoi SSR [Ministry of Agriculture of the Turkmen S.S.R.] Ashkhabad, vol. 11, no. 1, Jan. 1967
- SEL'SKOE KHOZIAISTVO UZBEKISTANA [AGRICULTURE OF UZBEKISTAN] Issued by Ministerstvo sel'skogo khozaistva Uzbekskoi SSR [Ministry of Agriculture of the Uzbek S.S.R.] Tashkent, nos. 1-2, Jan.-Feb. 1967
- SEL'SKOKHOZIAISTVENNAIA LITERATURA SSSR [AGRICULTURAL LITERATURE OF THE U.S.S.R.]. Issued by Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka [Central Agricultural Library], Moscow, nos. 1-2, 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO NECHERNOZEMNOI ZONY [AGRICULTURAL PRODUCTION OF THE NON-CHERNOZEM ZONE]. Organ of Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.] Moscow, vol. 5, no. 3, 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO POVOLZH'IA [AGRICULTURAL PRODUCTION OF THE VOLGA VALLEY] Issued by Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.], Saratov, vol. 13, nos. 2-3, Feb.-Mar. 1967
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SEVERNOGO KAVKAZA I TASHO [AGRICULTURAL PRODUCTION OF THE NORTHERN CAUCASUS AND THE CENTRAL CHERNOZEM REGION] Organ of Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.], Krasnodar, vol. 10, no. 3, Mar. 1967.
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO SIBIRI I DAL'NEGO VOSTOKA [AGRICULTURAL PRODUCTION OF SIBERIA AND THE FAR EAST] Issued by Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.] Omsk, vol. 11, no. 2, 1967
- SEL'SKOKHOZIAISTVENNOE PROIZVODSTVO URALA [AGRICULTURAL PRODUCTION OF THE URALS] Organ of Ministerstvo sel'skogo khozaistva RSFSR [Ministry of Agriculture of the R.S.F.S.R.] Sverdlovsk, vol. 5, no. 2, Feb. 1967
- SOTSIALISTIK POLUMAJANDUS [SOCIALIST AGRICULTURE]. Issued by Eesti NSV Polumajanduse Ministerium [Ministry of Agriculture of the Estonian S.S.R.], Tallinn, vol. 22, nos. 3-5, Feb.-Mar. 1967 [in Estonian]
- TEKHNIKA V SEL'SKOM KHOZIAISTVE [MACHINERY IN AGRICULTURE]. Issued by Ministerstvo sel'skogo khozaistva SSSR [Ministry of Agriculture of the U.S.S.R.], Moscow, vol. 21, no. 12, Dec. 1961.  
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VSENYK SIL'S'KOHOSPODARS'KOI NAUKY [REVIEW OF AGRICULTURAL SCIENCE] Issued by Ministerstvo sil's'koho hospodars'tva Ukrainy i yoi RSR [Ministry of Agricultural Sciences of the Ukrainian S.S.R.]. Kiev, vol. 10, no. 2, Feb. 1957

VSESOIUZNAIA AKADEMIA SEL'SKOKHOZIAISTVEN-  
 NYKH NAUK IMENI V. I. LENINA. Doklady [LENIN  
 ALL-UNION ACADEMY OF AGRICULTURAL SCI-  
 ENCES. Reports]. Moscow, no. 9, Sep. 1955.

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ZA SOTSIALISTICHESKUTU SEL'SKOKHOZIAISTVEN-  
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 SCIENCE]. Issued by Chekhoslovatskaka akademii  
 sel'skokoziatsivennykh nauk [Czechoslovak Academy  
 of Agricultural Sciences]. Prague, vol. 15, no. 4, 1956.

ZERNOVOY. AZOVO-CHERNOMORSKIY INSTITUT ME-  
 KHANIZATSII SEL'SKOGO KHOZIAISTVA. Sbornik  
 nauchnykh statei [AZOV-BLACK SEA INSTITUTE FOR  
 THE MECHANIZATION OF AGRICULTURE. Papers].  
 Rostov-on-Don, no. 14, 1955.

Table of contents translated:  
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 [Ministry of the Meat and Dairy Industry of the  
 U.S.S.R. and the Central Administration of the Scien-  
 tific Technological Society of the Food Industry]. Mos-  
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MOSCOW. VSESOIUZNYI NAUCHNO-ISLEDOVATEL'-  
 SKII INSTITUT MORSKOGO RYBNOGO KHOZIAI-  
 STVA I OKZANOGRAPHII. Sbornik izobretenii v ryb-  
 noi promyshlennosti za 1951 g. [ALL-UNION SCIENTIFIC  
 RESEARCH INSTITUTE OF MARINE FISHERIES AND  
 OCEANOGRAPHY. Papers on Inventions in the Fishing  
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Table of contents translated:  
 Kuznetsov, A. V. - Method of mixing fish eggs in the process of their incubation in the Wells appara-  
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 I OKZANOGRAPHII. Trudy [ALL-UNION SCIENTIFIC  
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# RYBNAIA PROMYSHLENNOST' [FISHING INDUSTRY].

Issued by Vsesoyuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografi [All-Union Scientific Research Institute of Marine Fisheries and Oceanography]. Moscow, no. 53, 1960.

Table of contents translated

- Deova, T. A. - Replacing concentrated food by aquatic vegetation in raising two-year old carp. p. 3.  
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# RYBNOE KHOZIAISTVO [FISHERIES]. Organ of Gosudarstvennyi komitet po rybnomu khoziaistvu pri SSSR [State Committee for Fisheries, Attached to the Economic Council] of the U. S. S. R.]. Moscow, vol. 43, no. 1, 1967.

Table of contents translated:

- Ishkov, A. - Year of the October anniversary. p. 2.  
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# TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT OSESTROYVO KHOZIAISTVA. Azerbaidzhanakoo okeanlogia. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF FISHERIES REARING Azerbaijan Department Transactions] Moscow, vol. 5, no. 1, 1960.

- Contents: Busharin, B. V., Rubanovskii, N. I. A. [Statistical manual on catches of fish and non-fishery objects (sea) and crayfish in Azerbaijan] Statisticheski spravochnik ob ulovakh ryby i nerybnykh ob'ektov (tulenai i rakov) v Azerbaidzhanie 1964 p.

## FORESTRY

GIRIS, "Mūsų gamtos" žurnalas miškininkystės prielaidas [FORESTS; Forestry Supplement to the Periodical "Our Nature"]. Vilnius, nos. 1-2, 1967. [In Lithuanian]

# KIIMKI. TSENTRAL'NYI NAUCHNO-ISSEDOVATEL'SKII INSTITUT MEKHANIZATSI I ENERGETIKI LESNOI PROMYSHLENNOSTI. Trudy [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF MECHANIZATION AND USE OF POWER IN LUMBERING Transactions]. Nos. 68-69, 1965

# LENINGRAD, NAUCHNO-ISSEDOVATEL'SKII INSTITUT LESNOGO KHOZIAISTVA. Sbornik nauchno-issledovatel'skikh rabot po lesnomu khoziaistvu [SCIENTIFIC RESEARCH INSTITUTE OF FORESTRY. Papers on Forestry]. Moscow, no. 6, 1963.

- Table of contents translated:  
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SELEKTSIONNOE NOVOSTROVO [BREEDING] AND SELEKTSIONNOE PRODUKTSION [Breed by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, vol. 15, no. 1, Apr. 1967.

SEL'SKOE KHOZAYSTVO ZA RIMN ZIRIM RASSTIENI VOSEVO [AGRICULTURE AND FOREST PLANT CULTURE] - Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, no. 7, July 1966.

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TRIVLOVOSTVO [LORRY CULTURE] - Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, vol. 10, no. 1, 1967.

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KHILKOVOSTVO [CULTURE GROWING] - Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, vol. 15, no. 1, 1967.

SELEKTSIONNOE NOVOSTROVO [BREEDING] AND SELEKTSIONNOE PRODUKTSION [Breed by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, vol. 15, no. 1, Apr. 1967.

SEL'SKOE KHOZAYSTVO ZA RIMN ZIRIM RASSTIENI VOSEVO [AGRICULTURE AND FOREST PLANT CULTURE] - Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, no. 7, July 1966.

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TRIVLOVOSTVO [LORRY CULTURE] - Issued by Ministerstvo sel'skogo khozaystva SSSR [Ministry of Agriculture of the U.S.S.R.] - Moscow, vol. 10, no. 1, 1967.

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\*IZOBRETIENIA, PROMYSHLENNYI OBIKAZTSY, TOVARNYI ZNAKI [INVENTIONS, INDUSTRIAL SAMPLES, TRADEMARKS]. Issued by Komitet po delam izobretenii i otvetyi pri Savete Ministrov SSSR [Committee on Inventions and Discoveries, Attached to the Council of Ministers of the U.S.S.R.], Moscow, vol. 44, nos. 3-4, 1967.

LENINGRAD, POLITEKHNIICHESKII INSTITUT, Trudy [POLYTECHNIC INSTITUTE, Transactions], No. 260, 1965. Plastic working of metals.

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NAUKA I TEKHNIKA [SCIENCE AND TECHNOLOGY]. Issued by Gosudarstvennyi komitet Soveta Ministrov Latvskoi SSR po koordinatsii nauchno-issledovatel'skikh rabot [State Committee of the Council of Ministers of the Latvian S.S.R. for the Coordination of Research] and others. Riga, vol. 7, no. 2(79), Feb. 1967.

VYE KNIGI ZA RUBEZHOM. Seriya B Tekhnika  
[NEW FOREIGN BOOKS. Series B Technology].  
Published by Izdatel'stvo inostranney literatury [Pub-  
lishing House of Foreign Literature]. Moscow, vol. 11,  
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OMYSHLENNOST' ARMENII [INDUSTRY OF ARMENIA].  
Issued by Sovet narodnogo khoziaistva Armaniansk SSR  
[Economic Council of the Armenian S. S. R.]. Yerevan,  
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## CHEMICAL TECHNOLOGY

AKADFIYA NAUK URSR, Kiev. *Institut vykorystannya gasu v komunal'nomu hospodarstvi i promyslovosti*. Pratsi [ACADEMY OF SCIENCES OF THE UKRAINIAN S.S.R. Institute of Gas Utilization in the Communal Economy and in Industry. Transactions], Kiev, vol.7, 1959.

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- Table of contents translated:
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- Table of contents translated.
- Veselov, V. V., Sipeeva, Z. V., Brusennina, L. I. - Boric acid functions in the process of oxidation of paraffin hydrocarbons. p. 5.
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- \*PLASTICHESKIE MASSY [PLASTICS]. Organ of Ministerstvo khimicheskoi promyshlennosti SSSR [Ministry for the Chemical Industry of the U.S.S.R.], Moscow, no. 1, 1967.
- Table of contents translated.
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AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Izvestiya [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R., Bulletin]. Moscow, no. 3, 1981.

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AKADEMIA STROITEL'STVA I ARKHITEKTURY SSSR. Institut betona i zhelezobetona. Perovo. Trudy [ACADEMY OF CONSTRUCTION AND ARCHITECTURE OF THE U.S.S.R., Institute of Concrete and Reinforced Concrete, Transactions]. Moscow, no. 19, 1981.

## Table of contents translated:

- Desov, A. E., Solodov, N. I. - Automatic control of the mobility of concrete. p. 4.
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## Table of contents translated

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**STROITEL' [THE BUILDER]** Organ of Gosudarstvennyi komitet po delam stroitel'stva SSSR i Tsentral'nyi komitet Profsoyuza rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov [State Committee for Construction of the U.S.S.R. and the Central Committee of the Trade Union of Construction and Building Materials Workers] Moscow, vol. 12, no. 3(138), Mar. 1967.

**STROITEL'NAIA MEKHANIKA I RASCHET SOORUZHENII [STRUCTURAL MECHANICS AND CONSTRUCTION CALCULATIONS].** Issued by Gosudarstvennyi komitet po delam stroitel'stva SSSR [State Committee for Construction in the U.S.S.R.]. Moscow, vol. 9, no. 1 (49), 1967.

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AVTOMATIKA, IFFI MFNKHANIKA I SVIAZ' [AUTOMATIC CONTROL, REMOTE CONTROL, AND COMMUNICATIONS]. Organ of Ministerstva puti soobshcheniya SSSR [Ministry of Railroad Transportation of the U.S.S.R.]. Moscow, vol. 10, no. 11, Nov. 1966.

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## **\*ELEKTRICHESKOE [ELECTRICITY].** Organ of Akademiya nauk SSSR [Academy of Sciences of the U.S.S.R.] and others. Moscow, no. 1, Jan. 1967.

- Table of contents translated:
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## **\*ELEKTRONNAJA OBRABOTKA MATERIALOV [ELECTRONIC PROCESSING OF MATERIALS].** Issued by Institut prikladnoi fiziki Akademii nauk Moldavskoi SSR [Institute of Applied Physics of the Academy of Sciences of the Moldavian S.S.R.]. Kishinev, no. 1(7), 1966.

- Table of contents translated:
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## **\*ELEKTROSVIAZ' [TELECOMMUNICATION].** Organ of Ministerstvo svyazi SSSR and Nauchno-tekhnicheskoe obshchestvo radiotekhniki i elektricheskoi svyazi im. A. S. Popova [Ministry of Communication of the U.S.S.R. and the A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunication]. Moscow, vol. 21, no. 1, Jan. 1967.

- Table of contents translated:
- Borodich, S. V. - Method for calculating nonlinear transitions in the high-frequency channel of multi-channel radio relay systems. p. 1.

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**ENERGETICHESKOE STROITEL'STVO**, sbornik materialov po obshchemu opytom [POWER CONSTRUCTION, Collection of Materials for the Exchange of Experience]. Issued by Tekhnicheskoe upravlenie Mntstestva stroitel'stva elektrostani SSSR [Technical Administration of the Ministry for the Construction of Electric Power Stations of the U.S.S.R.]. Moscow, no. 21, 1961.

- Table of contents translated.
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**ENERGETIKA I ELEKTRIFIKATSIYA** [POWER ENGINEERING AND ELECTRIFICATION]. Issued by Gosudarstvennyi planovyi komitet Sovetskiy Ministrov USSR [State Planning Committee of the Council of Ministers of the Ukrainian S.S.R.] and others. Kiev, no. 8(39), Nov.-Dec. 1966.

- Table of contents translated.
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**ENERGOKHOZIAISTVO ZA RUFZHIOM**; pishononko k zhurnal "Elektricheskie stanitsii" [ELECTRIC POWER PRODUCTION AND UTILIZATION IN FOREIGN COUNTRIES, Supplement to the Periodical "Electric Power Stations"]. Issued by Gosudarstvennoye energo-ticheskoye izdatel'stvo [State Power Engineering Publishing House]. Moscow, no. 1, Jan.-Feb. 1967.

**LATVIJAS PADOMJU SOCIALISTISKAS REPUBLIKAS ZINATNU AKADEMIJA**, Elektronika un galtonikas tehnikas IACADEMY OF SCIENCES OF THE LATVIAN S.S.R. Institute of Electronics and Computer Technology. Automatic Control and Computer Technology. Riga, vol. 8, 1965.

**LENINGRAD, ELEKTROTEKHINICHESKII INSTITUT SVYAZI** Tudy nauchno-tekhnicheskoi konferentsii LEV [INSTITUTE OF ELECTRICAL COMMUNICATION ENGINEERING. Transactions of the Scientific Technological Conference LEV] Nos. 1-2, 1965.

**RADIO**, Organ of Ministerstvo svyazi SSSR and Vsesoiuznoe dachovoi'noe obshchestvo radioizvestiya armii, aviatst i floty [Ministry of Communication of the U.S.S.R. and the All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy]. Moscow, no. 11, Nov. 1966.

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**\*RADIOTEKHNIKA** [RADIO ENGINEERING]. Organ of Nauchno tekhnicheskoye obshchestvo radiotekhniki i elektrosvyazi im. A. S. Popova [A. S. Popov Scientific Technological Society of Radio Engineering and Telecommunications]. Moscow, vol. 22, no. 1, Jan. 1967.

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REFERATIVNIYI ZHURNAL' ELEKTRONIKA I EY PRIMENENIYE [JOURNAL OF ABSTRACTS: ELECTRONICS AND ITS APPLICATION]. Issued by Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, nos. 2-3, Feb.-Mar. 1967.

RUSSIA (1923- U.S.S.R.) Ministerstvo vysshago i srednego spetsial'nogo obrazovaniya. Izvestiya vsshikh uchebnykh zavedeniy: elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Electrical Machinery and Apparatus]. Novocherkassk, vol. 9, no. 12, 1966.

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- REFERATYNYI ZHURNAL LEGKAI PROMYSHLENNOSTI [JOURNAL OF ABSTRACTS LIGHT INDUSTRY]. Issued by Vsesoiuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, no. 2, Feb. 1967. Avtor'skii ukazatel' za 1966 g. [Author Index for 1966. This journal is also issued in parts.]
- RUSSIA (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Izvestiia vysshikh uchebnykh zavedenii, tekhnologii logko promyshlennosti [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning; Technology of Light Industry]. Moscow, no. 6 (54), 1966.
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- g. MECHANICAL ENGINEERING
- AKADEMIA NAUK SSR, Izvestiia. Zhurnal nauki i tekhnologii [ACADEMY OF SCIENCES OF THE U.S.S.R. Bulletin. Power Engineering and Transportation]. Moscow, no. 8, Nov.-Dec. 1966.
- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated:
- Losev, P. P. - Establishing an economic criterion of the technical level and reducing the obsolescence of papermaking machines resulting from their modernization. p. 7.
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- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated:
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Issued by Otdeleniye matematiki, mekhaniki i kibernetiki Akademii nauk Ukrainsskoi SSR [Department of Mathematics, Mechanics, and Cybernetics of the Academy of Sciences of the Ukrainian S.S.R.]. Kiev, vol. 2, no. 12, 1966.

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REFERATIVNYI ZHURNAL PROMYSHLENNYI TRANSPORT [JOURNAL OF ABSTRACTS INDUSTRIAL TRANSPORTATION]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, no. 2, Feb. 1967. [This journal is also issued in parts.]

REFERATIVNYI ZHURNAL TEKHNOLOGIYA MASHINOSTROENIYA [JOURNAL OF ABSTRACTS TECHNOLOGY OF MACHINERY MANUFACTURE]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, nos. 1-2, Jan.-Feb. 1967.

REFERATIVNYI ZHURNAL TEPLOENERGETIKA [JOURNAL OF ABSTRACTS HEAT ENGINEERING]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, no. 2, Feb. 1967.

REFERATIVNYI ZHURNAL ZHELEZNODOROZHNYI TRANSPORT [JOURNAL OF ABSTRACTS RAILROAD TRANSPORTATION]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others. Moscow, no. 2, Feb. 1967. [This journal is also issued in parts.]

\*STANKI I INSTRUMENT [MACHINE TOOLS AND CUTTING TOOLS]. Organ of Gosudarstvennyi komitet po mashinostroeniyu pri Gosplane SSSR and Tsentrallyy pravleniye Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti [State Committee for Machinery Manufacture, Attached to the State Planning Committee of the U.S.S.R., and the Central Administration of the Scientific Technological Society of the Machinery Industry]. Moscow, vol. 37, no. 12, Dec. 1966.

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Sovetskoi Ministrov Ukrainy SSR [State Planning  
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S.S.R.] and others. Kiev, no. 6 (42), Nov.-Dec.  
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Table of contents translated:  
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niya USSR [Ministry of Higher and Secondary Special-  
ized Education of the Ukrainian S.S.R.]. Kiev,  
no. 1, 1960.

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Akademiya nauk SSSR [Academy of Sciences of the  
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1960.

Table of contents translated:  
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stvennogo mashinostroeniya pri Gosplane SSSR [State  
Committee for the Tractor and Agricultural Machinery  
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Table of contents translated:  
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- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated:
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- Table of contents translated
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- Table of contents translated:
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- Contents: Vebor, V. V. [Facies of deposits favorable for formation of petroleum] Fatsil olozhenni, blagopriyatno dlia obrazovaniia nefii, 272 p.
- NEFTIANAI I GAZOVAIA PROMYSHLENNOST' [PETROLEUM AND GAS INDUSTRY]. Issued by Institut tekhnicheskoi informatsii Gosudarstvennogo komiteta Soveta Ministrov Ukrainnoi SSR po koordinatsii nauchno-issledovatel'skikh rabot and Ukrainskoe respublikanskoe pravleniye Nauchno-tekhnicheskogo obshchestva neflianoi i gazovoi promyshlennosti [Institute of Technical Information of the State Committee of the Council of Ministers of the Ukrainian S. S. R. for the Coordination of Research and the Ukrainian Republic Administration of the Scientific Technological Society of the Petroleum and Gas Industry]. Kiev, no. 5(29), Sep.-Oct. 1968.
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- Table of contents translated:
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- Table of contents translated:
- Ivinskii, K. I., and others. - Work practice under new circumstances. p. 1.
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- \*OGNEUPORY [REFRACTORIES]. Organ of Gosudarstvennyy komitet po Chernol i tsvetnoy metallurgii pri Gosplane SSSR [State Committee for Ferrous and Nonferrous Metallurgy, Attached to the State Planning Committee of the U. S. S. R.] and others. Moscow, vol. 31, no. 12, Dec. 1986.
- Table of contents translated:
- Zhikhovitch, S. A., and others. - High-density refractories for blast furnace shafts on a Novosibirsk knoll base. p. 1.
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- \*POROSHKOVAIA METALLURGIYA [POWDER METALLURGY]. Organ of Institut metallokovaniy i spetsial'nykh sployavov AN USSR [Institute of Ceramic Metals and Special Alloys of the Academy of Sciences of the Ukrainian S. S. R.]. Kiev, vol. 6, no. 12(48), Dec. 1986.
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- RUSSIA (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vsshikh uchebnykh zavedeniy; Chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education, Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy]. Moscow, vol. 10, no. 1, 1987.
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- RUSSIA (1923 - U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedeniy, no. 172 [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Petroleum and Gas]. Moscow, vol. 9, no. 9, 1966.
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- Table of contents translated:
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- Table of contents translated
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- \*TSVETNYE METALLY [NONFERROUS METALS]. Organ of Ministerstvo tsvetnoi metallurgii SSSR and Tsentral'noe nauchno-issledovatel'skoe shchestvo tsvetnoi metallurgii [Ministry of Nonferrous Metallurgy of the U. S. S. R. and the Central Administration of the Scientific Technological Society of Nonferrous Metallurgy]. Moscow, vol. 37, no. 3, Mar. 1960.

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- Table of contents translated:
- Surdutovich, I. N., Kukharov, V. N., Rakhel', B. L. - Ways of increasing the capacity of mines in the central Donets Basin Region. p. 1
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- Readers' response to the articles by D. Gelukh and M. A. Moiseev "Mining separate seams from lateral drifts", "Ugol' Ukrainy," 1960, no. 12 and "Selecting development systems and order of mining extraction fields in mines of the 'Lisichanskugol' Trust, "Ugol' Ukrainy," 1961, no. 6, p. 45.
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Table of contents translated

- Petrashin, G. I., Alekseev, A. S., Gel'chinskii, B. I. A. - Elementary theory of the distribution of seismic waves. p. 7.
- Smirnova, N. S., Timofeeva, N. I. - Construction of theoretical seismograms in the vicinity of initial points. p. 181.
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**VSESOIUNZNYI NEFTEGAZOVYI NAUCHNO-ISSLEDOVATELSKII INSTITUT, Nauchno-tekhnicheskii sbornik po dobyche nefli [ALL-UNION SCIENTIFIC RESEARCH INSTITUTE OF PETROLEUM AND NATURAL GAS, Scientific and Technical Papers on Petroleum Production]** Moscow, no. 3, 1959.

Table of contents translated

- Karapetov, A. M. - Developing the Devonian pools of the Sultangulovo area in Orenburg Province. p. 3.
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**VZRYVNOE DELO (BLASTING).** Issued by Nauchno-tekhnicheskoe gornoe obshchestvo [Scientific Technological Mining Society], Moscow, no. 60/17, 1960. Improvement of industrial explosives.

Table of contents translated

- Glyzkova, A. P., Bobolev, V. K. - Causes of burning-out of safety explosives. p. 5.
- Andreev, K. K., Khozin, V. G. - Possible ways of preventing burning-out of explosives during blasting operations in coal mines. p. 20.
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BRATSTVO KOLYSHNIKOV VOLAKIV PERSHOI UKRAIN-S'KOI DYVIZII UKRAINS'KOI NARODNOI ARMII. Visti [BROTHERHOOD OF FORMER SOLDIERS OF THE FIRST UKRAINIAN DIVISION OF THE UKRAINIAN NATIONAL ARMY. News], Munich, vol. 18, no. 119, Nov. 1965.

KOMMUNIST VOORUZHENNYKH SIL [COMMUNIST OF THE ARMED FORCES]. Issued by Glavna politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy], Moscow, vol. 47, no. 1, Jan. 1967. Table of contents translated:

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RODINYI KPAI [NATIVE LAND] Issued by Donaskoe volkovoe ob'edinenie [Don Cossack Association], Paris, nos. 65-66, July-Oct. 1966; no. 68, Jan.-Feb. 1967.

SOVETSKII VOIN [SOVIET SOLDIER]. Issued by Glavnae politicheskoe upravlenie Sovetskoi Armii i Voenno-Morskogo Flota [Main Political Administration of the Soviet Army and Navy], Moscow, vol. 43, no. 24 (948), Dec. 1961.

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STARSHINA - SERZHANT [NONCOMMISSIONED OFFICERS]. Issued by Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.], Moscow, no. 2(77), Feb. 1967.

VESTNIK PEROPOKHODNIKA [HERALD OF THE FIRST CAMPAIGN VETERANS]. Issued by Pravlenie Kaliforniskogo obshchestva uchastnikov 1-go Kubanskogo generala Kornilova pokhoda [Administration of the California Association of Veterans of General Kornilov's First Cuban Campaign], Los Angeles, vol. 6, no. 65/66, Feb.-Mar. 1967.

VISTI KOMBATANTA. VETERANS' NEWS. Issued by United Ukrainian War Veterans in America and others, New York, no. 1(27), 1967.

VOENNYE ZNANIYA [MILITARY KNOWLEDGE]. Issued by Vsesoyuznoe dobrovol'noe obshchestvo sodeistviya armii, aviatstsi i flotu [All-Union Volunteer Society for Assistance to the Army, Air Force, and Navy], Moscow, vol. 43, no. 1, Jan. 1967.

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VOENNYI VESTNIK [MILITARY REVIEW]. Organ of Ministerstvo oborony SSSR [Ministry of Defense of the U.S.S.R.], Moscow, vol. 41, no. 6, June 1961.

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\*ZASHCHITA METALLOV [PROTECTION OF METALS]. Issued by Gosudarstvennyi komitet po koordinatsii nauchno issledovatel'skikh rabot SSSR [State Committee for the Coordination of Research of the U.S.S.R.] and others, Moscow, vol. 3, no. 1, Jan-Feb. 1967.

Table of contents translated:  
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## b NAVAL SCIENCE

LENINGRAD, TSENTRAL'NYI NAUCHNO-ISSLEDOVATELSKIY INSTITUT MORSKOGO FLOTA. Informatsionnyi sbornik [CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF THE MERCHANT MARINE Information Bulletin]. No. 163, 1966. Tekhnicheskaya eksploatatsiya morskogo flota [Technical Operation of Merchant Ships], no. 45. Diesel engines.

## Table of contents translated

- Vinogradov, V. I. - Some characteristics of the power plant of the motor ship "Belovetskiy," p. 3.  
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No. 166, 1966. Tekhnicheskaya eksploatatsiya morskogo flota [Technical Operation of Merchant Ships], no. 46. Marine steam power plants

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MORSKOI FLOT [THE MERCHANT MARINE]. Issued by Ministerstvo morskogo flota SSSR [Ministry of the Merchant Marine of the U.S.S.R.], Moscow, vol. 27, no. 1, Jan. 1967.

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RECHNOI TRANSPORT [INLAND WATER TRANSPORTATION]. Issued by Ministerstvo rechnogo flota [Ministry of the River Fleet], Moscow, vol. 20, no. 7, July 1967.

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- Majkochev, M., Solikh, S. - Successes in shipbuilding, p. 2.  
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REFERATIVNYI ZHURNAL VODNYI TRANSPORT [JOURNAL OF ABSTRACTS, WATER TRANSPORTATION]. Issued by Vsesoyuznyi institut nauchnoi i tekhnicheskoi informatsii [All-Union Institute of Scientific and Technical Information] and others, Moscow, no. 2, Feb. 1967. [This journal is also issued in Paris]

SUDOSTROENIE [SHIPBUILDING]. Organ of Ministerstvo sudostroyeniya i promyshlennosti SSSR and Nauchno-tekhnicheskoe obshchestvo sudostroyeniya i promyshlennosti [Ministry of the Shipbuilding Industry of the U.S.S.R. and the Scientific Technical Society of the Shipbuilding Industry], Leningrad, vol. 27, no. 1 (219), Jan. 1967.

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## List of Periodicals Indexed and Abbreviations Used

† Titles listed for the first time

r	Agitator	Biul. tekhn. - ekon. Inform. Gos. nauch. - issl. Inst. nauch. i tekhn. Inform. (16a)	Moscow Gosudarstvennyi nauchno-issledovatel'skii institut nauchnoi i tekhnicheskoi informatsii. Biulleten' tekhniko-ekonomicheskoi informatsii [State Scientific Research Institute for Scientific and Technical Information. Bulletin of Technical and Economic Information]
imilia a)	Agrokhimilia [Agrochemistry]	Biul. Verkh. Suda RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sud. Biulleten' [Supreme Court. Bulletin]
netr. n. (13f)	Aktinometricheskii ezheмесяchnik [Actinometric Monthly]	Bot. zhur. (13c)	Botanicheskii zhurnal [Botanical Journal]
ig. e)	Akademii nauk SSSR, Sibirskoe otdeleniye, Seminar algebrы i logiki, Algebra i logika [Academy of Sciences of the U. S. S. R. Siberian Department. Seminar of Algebra and Logic. Algebra and Logic]	Brat. vest. (3b)	Bratskii vestnik [Herald of Brotherhood]
tiki 14f)	Antibiotiki [Antibiotics]	Bukhg. uchel. (6a)	Bukhgalterskii uchel [Accounting]
nat., gist. or. (13c)	Arkhiv anatomii, gistologii i embriologii [Archives of Anatomy, Histology, and Embryology]	Bum. prom. (16f)	Bumayhnata promyshlennost' [Paper Industry]
at o)	Arkhiv patologii [Archives of Pathology]	Bumagodoi. mash. (16g)	Bumagodoiatel'noe mashinostroenie [Paper-Making Machinery Manufacture]
SSSR 10b)	Arkhitektura SSSR [Architecture of the U. S. S. R.]	Defekt. skopliya (16a)	Defektoskopiya [Defectoscopy]
zika b)	Astrofizika [Astrophysics]	Det. mash. i pod'em. -transp. mash. (10g)	Detali mashin i pod'emno-transporinye mashiny [Machine Parts and Hoisting and Conveying Machinery]
skh. za (16e)	Atomnaya tekhnika za rubezhom [Nuclear Engineering Abroad]	Dif. urav. (13c)	Differentsial'nye uravneniya [Differential Equations]
am. b)	Aviatsiya i kosmonavtika [Aviation and Astronautics]	Disk. anal. (13a)	Diskretnyi analiz [Discrete Analysis]
. (16d)	Avtomobil'nye dorogi [Highways]	Dokl. AN Azerb. SSR (13a)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Doklady [Academy of Sciences of the Azerbaijan S. S. R. Reports]
m. 3)	Avtomobil'naya promyshlennost' [Automobile Industry]	Dokl. AN BSSR (13a)	Akademii nauk BSSR, Minsk. Doklady [Academy of Sciences of the White Russian S. S. R. Reports]
usp. (16g)	Avtomobil'nyi transport [Automotive Transportation]	Dokl. AN SSSR (13a)	Akademii nauk SSSR. Doklady [Academy of Sciences of the U. S. S. R. Reports]
telem. iz' (16e)	Avtomatika, telemekhanika i svyaz' [Automatic Control, Remote Control, and Communications]	Dokl. Akad. sel' - khoz. nauk (15a)	Vsesoyuznaya akademiya sel'skokhoziaistvennykh nauk Im. I. V. Lenina. Doklady [Lenin All-Union Academy of Agricultural Sciences, Reports]
r. seg. b)	Azija i Afrika segodnya [Asia and Africa Today]	Dokl. i soob. VNIIEKH (6b)	Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut ekonomiki sel'skogo khoziaistva. Doklady i soobshcheniya [All-Union Scientific Research Institute of Agricultural Economics. Reports and Papers]
med. zhur. a)	Azerbajchan tibb zhurnaly. Azerbaidzhanskii meditsinskii zhurnal [Azerbaijan Medical Journal]	Dokl. TSKhA (15a)	Moscow. Monkovskaya sel'skokhoziaistvennaya akademiya Im. Timiriazova. Doklady [Timiriazov Agricultural Academy of Moscow. Reports]
eft. (16h)	Azerbaidzhanskoe nefitannoe khoziaistvo [Azerbaijan Petroleum Industry]	Dop. AN URSS (13a)	Akademii nauk URSS, Kiev. Dopovidi [Academy of Sciences of the Ukrainian S. S. R. Reports]
el. - 16d)	Beton i zhelezobeton [Concrete and Reinforced Concrete]	Ekon. i mat. metod. (5b)	Ekonomika i matematicheskie metody [Economics and Mathematical Methods]
rudn. m 6a)	Bezopasnost' truda v promyshlennosti [Industrial Safety]	Ekon. sel'khov. (5b)	Ekonomika sel'skogo khoziaistva [Economics of Agriculture]
kar' 1)	Bibliotekar' [The Librarian]	Ekon. stroi. (5b)	Ekonomika stroitel'stva [Economics of Construction]
koved. , (2b)	Bibliotekovedenie i bibliografiya, ukazatel' literatury [Library Science and Bibliography; an Index to the Literature]	Elek. i topl. ttaga (10g)	Elektricheskaya i teplovznavnaya ttaga [Electric and Diesel Locomotive Traction]
a (13c)	Biofizika [Biophysics]	Elek. obr. mat. (10e)	Elektronnaya obrabotka materialov [Electronic Processing of Materials]
ur. (13c)	Biologicheskii zhurnal Armenii [Biological Journal of Armenia]	Elek. sta. (10c)	Elektricheskie stantsii [Electric Power Stations]
sp. biol. i (14a)	Biulleten' eksperimental'noi biologii i meditsiny [Bulletin of Experimental Biology and Medicine]	Elektrichestvo (10a)	Elektrichestvo [Electricity]
it. teor. i. (13b)	Akademii nauk SSSR, Institut teoreticheskoi astronomii. Biulleten' [Academy of Sciences of the U. S. S. R. Institute of Theoretical Astronomy. Bulletin]	Elektrokhimilia (10e)	Elektrokhimilia [Electrochemistry]
ol. kom. 3or. sov.	Moscow. Ispolnitel'nyi komitet. Biulleten' [Executive Committee. Bulletin]	Elektrosviaz' (10e)	Elektrosviaz' [Telecommunication]
IP. Old. (12c)	Moskovskoe obshchestvo ispytatelei prirody. Biulleten'. Otdel geologicheskii [Moscow Naturalists' Society, Bulletin, Geological Section]	Energ. i elek. (10a)	Energetika i elektrifikatsiya [Power Engineering and Electrification]
zhdu - auch. , konf. r. (1a)	Biulleten' mezhdunarodnykh nauchnykh s'ezdov, konferentsii i kongressov [Bulletin of International Scientific Meetings, Conferences, and Congresses]	Energ. stroi. (10e)	Energeticheskoe stroitel'stvo [Power Construction]
n. vys. l. spots. SSR 1)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Biulleten' [Ministry of Higher and Secondary Specialized Education. Bulletin]	Energokhoz. za rub. (10a)	Energokhoziaistvo za rubezhom; prilozhenie k zhurnalu "Elektricheskie stantsii" [Electric Power Production and Utilization in Foreign Countries; Supplement to the Periodical "Electric Power Stations"]
sch. - tekhn. i. po fiz. (16a)	Leningrad. Agrofizicheskii nauchno-issledovatel'skii institut. Biulleten' nauchno-tekhnicheskoi informatsii po agromicheskoi fizike [Agrophysical Scientific Research Institute. Bulletin of Scientific and Technical Information on Agromonic Physics]	Energomashino- stroenie (10g)	Energomashinostroenie [Power Machinery Construction]

Etal. vrem v sred. mom. pered. radiosig (13b)	Etalonnoe vremia v srednie momenty peredach radiosignalov [Official Time at Mean Moments of Radio Signal Transmissions]	Inform. sbor. TSNIIMF. Tekh. eksp. mol. flota (17b)	Leningrad. TSentr al'nyi nauchno-issledovatel'skii institut morskogo flota. Informatsionnyi sbornik. Tekhnicheskaya ekspluatatsiya morskogo flota [Central Scientific Research Institute of the Merchant Marine, Information Bulletin, Technical Operation of Merchant Ships]
Ezhegod. knigi SSSR (2a)	Ezhegodnik knigi SSSR, statisticheski ukazatel' [Annual of Soviet Books; Classified Index]	Inform. ukaz. bibl. sple. l kart. (2a)	Informatsionnyi ukazatel' bibliograficheskikh aplakov i kartotek, sostavlyennykh bibliotekami Sovetskogo Soyuza [Information Index of Bibliographical Lists and Card Files, Compiled by the Libraries of the Soviet Union]
Farmats. zhur. (14f)	Farmatsyutchnyi zhurnal [Pharmaceutical Journal]	Inoz. filol. (11a)	Inozemna filologiya [Foreign Philology]
Form. i spirt. prom. (16c)	Fermentatsiya i spirtovaya promyshlennost' [Fermentation and Distilling Industry]	Inzh. - fiz. zhur. (16a)	Inzhenerno-fizicheskii zhurnal [Journal of Engineering Physics]
Fin. SSSR (6c)	Finansy SSSR [Finance of the U.S.S.R.]	Iskusstvo (10a)	Iskusstvo [Art]
Fiz. mol. i metalloved. (16h)	Fizika metallov i metallovedenie [The Physics of Metals and Metallography]	Izob. i prom. obraz. i tov. znak. (16a)	Izobreteniya, promyshlennye obrabaztsy, tovarnyye znaki [Inventions, Industrial Samples, Trademarks]
Fiz. tver. tela (13f)	Fizika tverdogo tela [Solid State Physics]	Izv. AN Arm. SSR. Mat. (13e)	Akademii nauk Armianskoi SSR, Eriyan. Izvestiya, Matematika [Academy of Sciences of the Armenian S.S.R. Bulletin. Mathematics]
Fiziol. zhur. (13c)	Fiziologicheskii zhurnal SSSR [Physiological Journal of the U.S.S.R.]	Izv. AN Arm. SSR. Ser. tekh. nauk (16a)	Akademii nauk Armianskoi SSR, Eriyan. Izvestiya, Seriya tekhnicheskikh nauk [Academy of Sciences of the Armenian S.S.R. Bulletin. Series in the Technological Sciences]
Fiziol. zhur. [Ukr.] (13c)	Fiziologichnyi zhurnal [Physiological Journal]	Izv. AN Azerb. SSR. Ser. fiz. - mat. i tekhn. nauk (1a)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Izvestiya, Seriya fiziko-matematicheskikh i tekhnicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. It. Bulletin. Series in the Physical, Mathematical, and Technological Sciences]
Gaz. delo (16h)	Gazovoe delo [Gas Industry]	Izv. AN Azerb. SSR. Ser. fiz. - mat. i tekhn. nauk (1a)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Izvestiya, Seriya fiziko-tekhnicheskikh i matematicheskikh nauk [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in the Physical, Technological, and Mathematical Sciences]
Gaz. prom. (16c)	Gazovaya promyshlennost' [Gas Industry]	Izv. AN Azerb. SSR. Ser. ist., filos. i prava (1a)	Akademii nauk Azerbaidzhanskoi SSR, Baku. Izvestiya, Seriya istorii, filosofii i prava [Academy of Sciences of the Azerbaijan S.S.R. Bulletin. Series in History, Philosophy, and Law]
Genetika (13c)	Genetika [Genetics]	Izv. AN Kir. SSR (1a)	Akademii nauk Kirgizskoi SSR, Frunze. Izvestiya [Academy of Sciences of the Kirghiz S.S.R. Bulletin]
Geofiz. sbor. (13f)	Akademii nauk URSS, Kiev. Geofizicheskii sbornik [Acad- emy of Sciences of the Ukrainian S.S.R. Geophysical Papers]	Izv. AN Mold. SSR (1a)	Akademii nauk Moldavskoi SSR. Izvestiya [Academy of Sciences of the Moldavian S.S.R. Bulletin]
Geokhimiya (12c)	Geokhimiya [Geochemistry]	Izv. AN SSSR. Energiya i transp. (16g)	Akademii nauk SSSR. Izvestiya, Energetika i transport [Academy of Sciences of the U.S.S.R. Bulletin. Power Engineering and Transportation]
Geol. nefti i gaza (16h)	Geologiya nefiti i gaza [The Geology of Petroleum and Gas]	Izv. AN SSSR. Fiz. zem. (13f)	Akademii nauk SSSR. Izvestiya. Fizika zemli [Academy of Sciences of the U.S.S.R. Bulletin. Physics of the Earth]
Geol. zhur. (12c)	Geologichnyi zhurnal [Geological Journal]	Izv. AN SSSR. Met. (16h)	Akademii nauk SSSR. Izvestiya. Metally [Academy of Sci- ences of the U.S.S.R. Bulletin. Metals]
Gidr. i mel. (15a)	Gidrotekhnika i melioratsiya [Hydraulic Engineering and Reclamation]	Izv. AN SSSR Ser. fiz. (13f)	Akademii nauk SSSR. Izvestiya. Seriya fizicheskaya [Acad- emy of Sciences of the U.S.S.R. Bulletin. Physical Series]
Gidr. stroit. (16d)	Gidrotekhnicheskoe stroitel'stvo [Hydrotechnical Con- struction]	Izv. AN SSSR. Ser. geol. (12c)	Akademii nauk SSSR. Izvestiya. Seriya geologicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Geological Series]
Gidrobiol. zhur. (13c)	Gidrobiologicheskii zhurnal [Hydrobiological Journal]	Izv. AN SSSR. Ser. lit. i iaz. (11b)	Akademii nauk SSSR. Izvestiya. Seriya literaturnaya i iazyk [Academy of Sciences of the U.S.S.R. Bulletin. Series in Literature and Language]
Gidroliz i les- khim. prom. (16e)	Gidrolizatsiya i lesokhimicheskaya promyshlennost' [Hydrolysis and Wood Chemistry Industry]	Izv. AN SSSR Ser. mat. (13e)	Akademii nauk SSSR. Izvestiya. Seriya matematicheskaya [Academy of Sciences of the U.S.S.R. Bulletin. Mathe- matical Series]
Gor. elektro- mekh. i avtom. (16h)	Gornaya elektromekhanika i avtomatika [Electrical Engineering in Mining and Automatic Control]	Izv. AN Turk. SSR. Ser. biol. nauk (13c)	Akademii nauk Turkmenskoi SSR, Ashkhabad. Izvestiya, Seriya biologicheskikh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Biological Sci- ences]
Gor. khoz. Mosk. (16d)	Gorodskoe khoziasitvo Moskvy [Municipal Economy of Mos- cow]	Izv. AN Turk. SSR. Ser. obshchestv. nauk (1a)	Akademii nauk Turkmenskoi SSR, Ashkhabad. Izvestiya, Seriya obshchestvennykh nauk [Academy of Sciences of the Turkmen S.S.R. Bulletin. Series in the Social Sciences]
Grazhd. av. (16b)	Grazhdanskaya aviatsiya [Civil Aviation]	Izv. AN Uz. SSR. Ser. tekhn. nauk (16a)	Akademii nauk Uzbekskoi SSR, Tashkent. Izvestiya, Seriya tekhnicheskikh nauk [Academy of Sciences of the Uzbek S.S.R. Bulletin. Series in the Technical Sci- ences]
Grud. khir. (14h)	Grudnaya khirurgiya [Thoracic Surgery]	Izv. ASIA (16d)	Akademii stroitel'stva i arkhitektury SSSR. Izvestiya [Academy of Construction and Architecture of the U.S.S.R. Bulletin]
Inform. biul. NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arktiki. Informatsionnyi biulleten' [Scientific Research Institute of Arctic Geology. Information Bulletin]	Izv. Krym. old. Geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR, Krymskii otdel. Izvestiya [Geographic Society of the U.S.S.R. Crimean Branch. Bulletin]
Inform. biul. nov. inostr. knig. postup. v Bibl. im. V. I. Lenina	Moscow. Publitsnaya biblioteka. Informatsionnyi biulleten' novykh inostrannykh knig, postupivshikh v Biblioteku imeni V. I. Lenina. Seriya 1: Fiziko-matematicheskie i khimich- eskie nauki; nauki o zemle; tekhnika i tekhnicheskii nauki [by the Lenin Library. Series 1, Physical, and Chemical Sciences; Earth Sciences; Technological Sciences]	Izv. ISKHI (16a)	Irkutsk. Sel'skokhoziaistvennyi institut. Izvestiya [Agri- cultural Institute. Bulletin]
		Izv. Old. biol. nauk AN Tadzh. SSR (13c)	Akademii nauk Tadzhikskoi SSR, Dushanbe. Otdelenie biologicheskikh nauk. Izvestiya [Academy of Sciences of the Tajik S.S.R. Department of Biological Sciences. Bulletin]
		Izv. Uzb. fil. Geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR, Uzbekistanskii filial. Izvestiya [Geographic Society of the U.S.S.R. Uzbek- istan Branch. Bulletin]

Izv. Vses. geog. ob-va (12b)	Geograficheskoe obshchestvo SSSR. Izvestiya [Geographic Society of the U.S.S.R. Bulletin]	Kons. i ov. prom. (16c)	Konservnaya i ovoshchesushil'naya promyshlennost' [The Canning and Dehydrated Vegetable Industry]
Izv. vys. ucheb. zav.; Chern. met. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Chernaya metallurgiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Ferrous Metallurgy]	Kozh. - obuv. prom. (16f)	Kozhevenno-obuvnaya promyshlennost' [Leather and Footwear Industry]
Izv. vys. ucheb. zav.; elektro-mekh. (16e)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Elektromekhanika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Electrical Machinery and Apparatus]	Lakokras. mat. i ikh prim. (16c)	Lakokrasochnyye materialy i ikh primeneniye [Lacquer and Paint Materials and Their Use]
Izv. vys. ucheb. zav.; fiz. (13f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Fizika [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Physics]	Leksykol. i ta leksykogr. (11a)	Leksykologiya i leksykografiya [Lexicology and Lexicography]
Izv. vys. ucheb. zav.; geod. i aerof. (13b)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Geodeziya i aerofotogrammetriya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Geodesy and Aerial Photography]	Les. bum. i der. prom. (16f)	Lesnaya, bumazhnaya i derevobrabatovayushchaya promyshlennost' [Forest, Paper, and Woodworking Industry]
Izv. vys. ucheb. zav.; geol. i razv. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Geologiya i razvedka [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning, Geology and Prospecting]	Let. druku BSSR (2a)	Letapis druku BSSR. Letapis' pechati BSSR [Chronicle of the Publications of the White Russian S.S.R.]
Izv. vys. ucheb. zav.; gor. zhur. (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Gornyy zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Mining Journal]	Let. pech. Mold. SSR (2a)	Letapis' pechati Moldavskoi SSR [Chronicle of the Publications of the Moldavian S.S.R.]
Izv. vys. ucheb. zav.; khim. i khim. tekhn. (13d)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Khimiya i khimicheskaya tekhnologiya [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Chemistry and Chemical Technology]	Lis. hosp. i lis. pap. i der. prom. (16f)	Lisovoe hospodarsvo, lisova, papirova i derevobrobnaya promyshlennost' [Forestry, Forest, Paper, and Woodworking Industry]
Izv. vys. ucheb. zav.; les. zhur. (16c)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Lesnoi zhurnal [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Forestry Journal]	Lit. i isk. nar. SSSR i zarub. stran (11b)	Literatura i iskusstvo narodov SSSR i zarubezhnykh stran [Literature and Art of the Peoples of the U.S.S.R. and Foreign Countries]
Izv. vys. ucheb. zav.; nef. i gaz (16h)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Nef' i gaz [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Petroleum and Gas]	Lit. stran Afr. (11b)	Literatura stran Afriki [Literature of the Countries of Africa]
Izv. vys. ucheb. zav.; tekhn. leg. prom. (10f)	Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya. Izvestiya vysshikh uchebnykh zavedenii; Tekhnologiya legkoj promyshlennosti [Ministry of Higher and Secondary Specialized Education. Bulletin of the Institutions of Higher Learning; Technology of Light Industry]	Lop. mash. i struinye app. (16g)	Lopatnochnyye mashiny i struinye apparaty [Bucket Machines and Jet Apparatus]
Kardiologiya (14a)	Kardiologiya [Cardiology]	Mash. i nef. obor. (16h)	Mashiny i neftegaznoye oborudovaniye [Machinery and Petroleum Equipment]
Kat. dan. po meteor. i iad. rad. (13f)	Mirovaya tsentr dannykh B1. Katalog dannykh po meteorologii i iadernoi radiatsii [World Data Center B1. Catalog of Meteorology and Nuclear Radiation Data]	Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol'. prom. (16h)	Mashiny i oborudovaniye dlia mekhanizatsii i avtomatizatsii trudovykh protsessov v ugol'noi promyshlennosti [Machinery and Equipment for the Mechanization and Automation of Labor Consuming Processes in the Coal Industry]
Kauch. i rez. (16c)	Kauchuk i rezina [Crude and Vulcanized Rubber]	Mashinostroitel' (16g)	Mashinostroitel' [Machine Builder]
Khirurgiya (14h)	Khirurgiya [Surgery]	Mashinovedenie (16g)	Mashinovedenie [Mechanical Engineering]
Khleb. i kond. prom. (10f)	Khlebopekarnaya i konditerskaya promyshlennost' [Baking and Confectionery Industry]	Masi. - zhir. prom. (16c)	Maslo-zhirovaia promyshlennost' [Oils and Fats Industry]
Khim. v sel'. khoz. (15a)	Khimiya v sel'skom khoziaistvo [Chemistry in Agriculture]	Mat. sbor. (13e)	Matematicheskii sbornik [Mathematical Review]
Khol. tekhn. (16c)	Kholodil'naya tekhnika [Refrigeration Engineering]	Mat. - tekhn. snabzheniye (5b)	Material'no-tekhnicheskoe snabzheniye [Supply of Materials and Equipment]
Kibernetika (13e)	Kibernetika [Cybernetics]	Med. paraz. i paraz. bol. (14a)	Meditsinskaya parazitologiya i parazitarnyye bolezni [Medical Parasitology and Parasitic Diseases]
Kin. i kat. (13d)	Kinetika i kataliz [Kinetics and Catalysis]	Med. rad. (14a)	Meditsinskaya radiologiya [Medical Radiology]
Kniga; issl. i mat. (2c)	Kniga; issledovaniya i materialy [The Book; Studies and Papers]	Med. ref. zhur. (14a)	Meditsinskii referativnyi zhurnal [Medical Abstracts]
Knizh. let. (2a)	Knizhnaya letopis' [Book Chronicle]	Mekh. stroit. (16d)	Mekhanizatsiya stroitel'stva [Mechanization of Construction]
Knizh. tovg. (2c)	Knizhnaya tovgovlia [Book Trade]	Meteor. biul. TSIF (13f)	Moscow. Tsentral'nyi institut prognozov. Meteorologicheskii biulleten' [Central Weather Institute. Meteorological Bulletin]
Koks i khim. (16c)	Koks i khimiya [Coke and Chemistry]	Mezhdunar. zhizn' (6)	Mozhdunarodnaya zhizn' [International Life]
Koll. zhur. (13d)	Kolloidnyi zhurnal [Colloid Journal]	Mias. ind. SSSR (16f)	Miasnaya industriya SSSR [Meat Industry of the U.S.S.R.]
Komm. Ukr. (6)	Kommunist Ukrainy [Communist of the Ukraine]	Mikrobiol. zhur. (13c)	Mikrobiologicheskii zhurnal [Journal of Microbiology]
Komm. Vooruzh. Sil (17a)	Kommunist Vooruzhennykh Sil [Communist of the Armed Forces]	Mikrobiologiya (13c)	Mikrobiologiya [Microbiology]
		Min. sbor. (12c)	Mineralogicheskii sbornik [Mineralogical Review]
		Mir, ekon. i mezhdunar. otn. (6b)	Mirovaya ekonomika i mezhdunarodnyye otnosheniya [World Economics and International Relations]
		Mol. komm. (6)	Molodoi kommunist [The Young Communist]
		Mor. flot (17b)	Morskoi flot [The Merchant Marine]
		Muk. - elev. prom. (16f)	Mukomol'no-elevatornaya promyshlennost' [Flour Milling and Grain Storage]
		Na etoi ned. VDNKH (16a)	Moscow. Vystavka dostizhenii narodnogo khoziaistva SSSR. Na etoi nedele [Exhibition of Achievements of the National Economy of the U.S.S.R. This Week]
		Na stroit. Ros. (16d)	Na stroitkakh Rossii [At Russian Construction Projects]
		Nach. shkola (8a)	Nachal'naya shkola [Primary School]
		Nar. khoz. Kazakh. (5b)	Narodnoye khoziaistvo Kazakhstana [The National Economy of Kazakhstan]

Nar.khoz Uzb (5b)	Narodnoe khoziaistvo Uzbekistana [The National Economy of Uzbekistan]	Nov lit po Bolg (2a)	Novina literatura po Bolgarii [New Literature on Bulgaria]
Nar obr. (8a)	Narodnoe obrazovanie [Public Education]	Nov lit po IUG (2a)	Novina literatura po Iugoslavii [New Literature on Yugoslavia]
Nauch dokl. vys. shkoly, ekon nauki (5b)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, ekonomicheskie nauki [Ministry of Higher and Secondary Specialized Education Research Papers of Higher Schools, Economics]	Nov lit. po obshch probl. slav (2a)	Novina literatura po obshchim problemam slavianoevropeiskoi [New Literature on the General Problems of Slavic Studies]
Nauch dokl. vys. shkoly; filol. nauki (11a)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filologicheskie nauki [Ministry of Higher and Secondary Specialized Education Research Papers of Higher Schools; Philological Sciences]	Nov lit. po Rum (2a)	Novina literatura po Rumynii [New Literature on Rumania]
Nauch. dokl. vys. shkoly, filol. nauki (3a)	Russia (1923- U. S. S. R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia. Nauchnye doklady vysshei shkoly, filosofskie nauki [Ministry of Higher and Secondary Specialized Education Research Papers of Higher Schools; Philosophical Sciences]	Nov lit po Veng (2a)	Novina literatura po Vengrii [New Literature on Hungary]
Nauch. -issl. trudy TSNILV (16f)	Moscow Tsentral'nyi nauchno-issledovatel'skii institut promyshlennosti i ublanykh volokon. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the East Fiber Industry. Scientific Research Papers]	Nov ml (11b)	Novyi mir [The New World]
Nauch. -issl. trudy TSNIIshersti (16f)	Moscow Tsentral'nyi nauchno-issledovatel'skii institut shershtani promyshlennosti. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Wool Industry. Scientific Research Papers]	Nov sov. ekon lit. (5b)	Novina sovetskaiia ekonomicheskaiia literatura [New Soviet Economic Literature]
Nauch. -issl. trudy TSNIKHBI (16f)	Moscow Tsentral'nyi nauchno-issledovatel'skii institut khlopkholubnitskoi promyshlennosti. Nauchno-issledovatel'skie trudy [Central Scientific Research Institute of the Cotton Industry. Scientific Research Papers]	Nov sov. l inostr. lit po vop. atelz i iol. (3b)	Novina sovetskaiia i inostrannaiia literatura po voprosam atelzma i religii [New Soviet and Foreign Literature on the Problems of Atheism and Religion]
Nauch. soob. IAFAN SSSR (1a)	Akademiiia nauk SSSR. Iakutskii filial. Yakutsk Nauchnye soobshcheniia [Academy of Sciences of the U. S. S. R. Yakut Branch Scientific Reports]	Nov. sov lit. po filos (3a)	Novina sovetskaiia literatura po filosofii [New Soviet Literature on Philosophy]
Nauch. -tekh. sbor po dob. nefti (16h)	Vsesoiuznyi neftegazovyi nauchno-issledovatel'skii institut. Nauchno-tehnicheskii sbornik po dobychie nefti [All-Union Scientific Research Institute of Petroleum and Natural Gas. Scientific and Technical Papers on Petroleum Production]	Nov sov lit po laz (11a)	Novina sovetskaiia literatura po iazykoznaniiu [New Soviet Literature on Linguistics]
Nauch. trudy TashGU (1a)	Tashkent. Universitet. Nauchnye trudy [University. Studies]	Nov. sov lit. po lit. (11b)	Novina sovetskaiia literatura po literaturovedeniiu [New Soviet Literature on the Study of Literature]
Nauch. trudy TashGU. Filol. nauki (3a)	Tashkent. Universitet. Nauchnye trudy. Filosofskie nauki [University Studies. Philosophical Sciences]	Nov tov (5a)	Novye tovary; Informatsionnyi biulleten' [New Consumer Goods, Information Bulletin]
Nauch. trudy TashGU Geol nauki (12c)	Tashkent. Universitet. Nauchnye trudy. Geologicheskie nauki [University. Studies. Geological Sciences]	Nov. vrem. (6)	Novoe vremia [New Times]
Nauk. zap. Kiyv. un. (1a)	Kiev. Universitet. Naukovyi zapysky [University. Studies]	Ogneupoiy (16h)	Ogneupoiy [Refractories]
Neft i gaz. prom (16h)	Neftianaiia i gazovaiia promyshlennost' [Petroleum and Gas Industry]	Oktiaabr' (11b)	Oktiaabr' [October]
Neft. khoz. (16h)	Neftianoe khoziaistvo [The Petroleum Industry]	Okeanologiya (12b)	Okeanologiya [Oceanology]
Nefteper i neftekhim. (16h)	Neftepererabotka i neftekhimiiia [Petroleum Refining and Petroleum Chemistry]	Opt i spekt. (13f)	Optika i spektroskopiiia [Optics and Spectroscopy]
Neftianik (16h)	Neftianik [The Petroleum Worker]	Opt. -mekh. prom. (16g)	Optiko-mekhanicheskaiia promyshlennost' [Optical Instruments Industry]
Nov. inostr. ekon. lit. (5b)	Novina inostrannaiia ekonomicheskaiia literatura [New Foreign Economic Literature]	Orlop, travm i protez (14h)	Ortopediia, travmatologiya i protezirovanie [Orthopedics, Traumatology, and Prosthetics]
Nov inostr lit po filos. (3a)	Novina inostrannaiia literatura po filosofii [New Foreign Literature on Philosophy]	Osn., fund. i mekh. grun. (16d)	Osnovaniia, fundamenty i mekhanika grunov [Foundations and Soil Mechanics]
Nov. inostr lit po laz. (11a)	Novina inostrannaiia literatura po iazykoznaniiu [New Foreign Literature on Linguistics]	Osn. nematod. (13c)	Akademiiia nauk SSSR. Gel'mintologicheskaiia laboratoria. Osnovy nematodologii [Academy of Sciences of the U. S. S. R. Helminthological Laboratory. Principles of Nematodology]
Nov. inostr. lit. po ist., arkhcol. i etn. (4a)	Novina inostrannaiia literatura po istorii, arkhologii i etnografii [New Foreign Literature on History, Archaeology, and Ethnography]	Patosl. sbor. (4a)	Patologicheskii sbornik [Pathological Review]
Nov. inostr. lit. po lit. (11b)	Novina inostrannaiia literatura po literaturovedeniiu [New Foreign Literature on the Study of Literature]	Paraz. zhiv i rast. (13c)	Parazity zhivotnykh i rastenii [Parasites of Animals and Plants]
Nov knigi SSSR (2a)	Novye knigi SSSR [New Books of the U. S. S. R.]	Part. zhizn' (6)	Partiinaiia zhizn' [Party Life]
Nov. knigi za rub. Ser. A (13a)	Novye knigi za rubezhom. Serii A: Matematika, mekhanika, astronomiia, geofizika, fizika, khimiiia, geologiiia, fizicheskaiia geografiia [New Foreign Books: Series A: Mathematics, Mechanics, Astronomy, Physics, Geophysics, Chemistry, Geology, Physics]	Peshchery (12b)	Peshchery [Caves]
Nov. knigi za rub. Ser B (16a)	Novye knigi za rubezhom. Serii B: Tekhnika [New Foreign Books. Series B: Technology]	Pis'. v red. Zhurn. eksper. i teoret. fiz. (13f)	Zhurnal eksperimental'noi i teoreticheskoi fiziki. Pis'ma v redaktsiiu [Journal of Experimental and Theoretical Physics. Letters to the Editors]
Nov. knigi za rub. Ser V (2a)	Novye knigi za rubezhom. Serii V: Biologiiia, meditsina, sel'skoe khoziaistvo [New Foreign Books. Series V: Biology, Medicine, Agriculture]	Plan. khoz. (5b)	Planovoe khoziaistvo [Planned Economy]
Nov. knigi za rub. po obshchestv. naukam (2a)	Novye knigi za rubezhom po obshchestvennym naukam; ekonomika, filosofiiia, istoriia, mezhdunarodnye otnosheniia [New Foreign Books on the Social Sciences: Economics, Philosophy, History, International Relations]	Plast. massy (16c)	Plasticheskie massy [Plastics]
Nov. knigi URSS (2a)	Novye knigi URSS [New Books of the Ukrainian S. S. R.]	Pochvovedenie (15a)	Pochvovedenie [Soil Science]
		Poligr. proizv. (2c)	Poligraficheskoe proizvodstvo [Printing Industry]
		Porosh. met. (16h)	Poroshkovaiia metallurgiiia [Powder Metallurgy]
		Prat. inat. vyk. gaz v kom. hosp. ta prom. AN URSS (16c)	Akademiiia nauk URSS. Kiev. Institut vykorystanniia gaz v komunal'nomu hospodarstvi i promyslovell. Prati [Academy of Sciences of the Ukrainian S. S. R. Institute of Gas Utilization in the Communal Economy and its Industry. Transactions]
		Prikl. mat. i mekh. (13e)	Prikladnaia matematika i mekhanika [Applied Mathematics and Mechanics]
		Prikl. mekh. (16g)	Prikladnaia mekhanika [Applied Mechanics]
		Priroda (13a)	Priroda [Nature]
		Probl. endok. i gorm. (14a)	Problemy endokrinologii i gormonoterapii [Problems of Endocrinology and Hormone Therapy]
		Probl. gemat. i perei krovi (14e)	Problemy gematologii i pereivaniia krovi [Problems of Hematology and Blood Transfusion]

Probl. mat. (iz. (13f)	Problemy matematicheskoi fiziki [Problems of Mathematical Physics]	Sakh. prom. (16c)	Sakharina promyshlennost' [Sugar Industry]
Probl. sovr. khim. koordin. soed. (13d)	Problemy sovremennoi khimii koordinatsionnykh soedinenii [Problems of the Coordination Compounds in Modern Chemistry]	Sbor. izobr. v ryb. prom. (15b)	Moscow Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografi. Sbornik izobretenii v rybnoi promyshlennosti [All-Union Scientific Research Institute of Marine Fisheries and Oceanography. Papers on Inventions in the Fishing Industry]
Probl. tub. (14a)	Problemy tuberkuloza [Problems of Tuberculosis]	Sbor. NIIOsn. (16d)	Moscow Nauchno-issledovatel'skii institut osnovanii i podzemnykh sooruzhenii. Sbornik nauchnykh rabot po osnovam khoziaistva [Scientific Research Institute of Foundations and Underground Construction. Papers]
Proch. i din. av. dvig. (16b)	Prochnost' i dinamika aviatsionnykh dvigatelei [Strength and Dynamics of Aircraft Engines]	Sbor. nauch. - issl. rab. po les. khoz. (15c)	Leningrad. Nauchno-issledovatel'skii institut lesnogo khoziaistva Sbornik nauchno-issledovatel'skikh rabot po lesnomu khoziaistvu [Scientific Research Institute of Forestry. Papers on Forestry]
Prom. aerodin. (16d)	Promyshlennaya aerodinamika [Industrial Aerodynamics]	Sbor. nauch. st. Azovo-Chern. inst. mekh. sel'khoz. (15a)	Zernovoy. Azovo-Chernomorskii institut mekhanizatsii sel'skogo khoziaistva. Sbornik nauchnykh statei [Azov-Black Sea Institute for the Mechanization of Agriculture. Papers]
Prom. Arm. (16a)	Promyshlennost' Armenii [Industry of Armenia]	Sbor. nauch. trud. LISI (16d)	Leningrad. Inzhenerno-stroitel'nyi institut. Sbornik nauchnykh trudov [Civil Engineering Institute. Papers]
Prom. Bel. (16a)	Promyshlennost' Belorussii [Industry of White Russia]	Sbor. nauch. trud. PNIUI (16h)	Tula. Podmoskovnyi nauchno-issledovatel'skii i proektno-konstruktor'skii ugov'nyi institut. Sbornik nauchnykh trudov [Moscow Region Scientific Research and Design Coal Institute. Studies]
Prom. stroi. (16d)	Promyshlennoe stroitel'stvo [Industrial Construction]	Sbor. nauch. trud. SOGMI (14a)	Ordzhonikidze. Severo-Osselskii gosudarstvennyi meditsinskii institut. Sbornik nauchnykh trudov [North Ossetian State Medical Institute. Papers]
Prom. stroi. i inzh. soor. (16d)	Promyshlennoe stroitel'stvo i inzhenernye sooruzhenia [Industrial Construction and Engineering Structures]	Sbor. rab. po gidrol. (12b)	Leningrad. Gosudarstvennyi gidrologicheskii institut. Sbornik rabot po gidrologii [State Hydrology Institute. Papers on Hydrology]
Publ. Otd. struk. i prikl. lingv. MGU (11a)	Moscow. Universitet. Otdelenie strukturnoi i prikladnoi lingvistiki. Publikatsii [University Department of Structural and Applied Linguistics. Publications]	Sbor. rab. po vop. elektromekh. (16e)	Akademii nauk SSSR. Institut elektromekhaniki. Sbornik rabot po voprosam elektromekhaniki [Academy of Sciences of the U.S.S.R. Institute of Electrical Machinery and Apparatus. Papers on the Problems of Electrical Machinery and Apparatus]
Put' i put. khoz. (16d)	Put' i putevye khoziaistvo [Roads and Roadway Maintenance]	Sbor. trud. AzNII NP (16c)	Baku. Azerbaidzhanskii nauchno-issledovatel'skii institut nefteperabatyvaushchei promyshlennosti. Sbornik trudov [Azerbaijan Scientific Research Institute of the Petroleum Refining Industry. Papers]
Pyt. ateiz. (3b)	Pytaniia ateizma [Problems of Atheism]	Sbor. trud. Azerb. nauch. - issl. inst. kur. i fiz. metod. lech. (14c)	Azerbaidzhanskii nauchno-issledovatel'skii institut kurortologii i fizicheskikh metodov lechenia. Sbornik trudov [Azerbaijan Scientific Research Institute of Health Resort and Physical Therapy. Papers]
Radio (10e)	Radio	Sbor. trud. LIIZHT (16d)	Leningrad. Institut inzhenerov zheleznodorozhnogo transporta. Sbornik trudov [Institute of Railroad Transportation Engineers. Papers]
Radiobiologiya (13c)	Radiobiologiya [Radiobiology]	Sbor. trud. NIIGS (16c)	Leningrad. Gosudarstvennyi nauchno-issledovatel'skii institut gidroliznoi i sulfino-spirovoy promyshlennosti. Sbornik trudov [State Scientific Research Institute of the Hydrolytic, Sulfite, and Alcohol Industry. Papers]
Radiokhimiya (13d)	Radiokhimiya [Radiochemistry]	Sbor. trud. NIIST (16d)	Akademii stroitel'stva i arkhitektury SSSR. Institut sanitarnoi tekhniki. Sbornik trudov [Academy of Construction and Architecture of the U.S.S.R. Institute of Sanitary Engineering. Papers]
Radiotekhnika (16e)	Radiotekhnika [Radio Engineering]	Sbor. trud. TSNIICHM (16h)	Moscow. TSentral'nyi nauchno-issledovatel'skii institut chernoi metallurgii. Sbornik trudov [Central Scientific Research Institute of Ferrous Metallurgy. Papers]
Razved. i okh. nedr (16h)	Razvedka i okhrana nedr [Prospecting and Conservation of Mineral Resources]	Sel'khoz. (15a)	Sel'skoe khoziaistvo; sistematicheskii ukazatel' statei v inostrannykh zhurnalakh [Agriculture, Classified Index of Articles in Foreign Periodicals]
Rech. transp. (17b)	Rechnoi transport [Inland Water Transportation]	Sel'khoz. za rub. Rast. (15d)	Sel'skoe khoziaistvo za rubezhom: Rastenievodstvo [Agriculture Abroad; Plant Culture]
Ref. sbor. : Ekon. prom. (5b)	Referativnyi sbornik: Ekonomika promyshlennosti [Journal of Abstracts: Economics of Industry]	Sel'khoz. lit. SSSR (15a)	Sel'skokhoziaistvennaya literatura SSSR [Agricultural Literature of the U.S.S.R.]
Ref. zhur. : Avt. dor. (16d)	Referativnyi zhurnal: Avtomobil'nye dorogi [Journal of Abstracts: Highways]	Sem'ia i shkola (8a)	Sem'ia i shkola [Family and School]
Ref. zhur. : Avt. i gor. transp. (16g)	Referativnyi zhurnal: Avtomobil'nyi i gorodskoi transport [Journal of Abstracts: Automobile and City Transportation]	Shakht. stroi. (16h)	Shakhtnoe stroitel'stvo [Mine Construction]
Ref. zhur. : Avtom. i telem. i vych. tekhn. (16e)	Referativnyi zhurnal: Avtomatika, telemekhanika i vychislitel'naya tekhnika [Journal of Abstracts: Automatic Control, Remote Control, and Computer Technology]	Shkola i proizv. (8a)	Shkola i proizvodstvo [School and Industry]
Ref. zhur. : Elektr. i ee prim. (16e)	Referativnyi zhurnal: Elektronika i ee primenenie [Journal of Abstracts: Electronics and its Application]	Soln. rad. i rad. bal. (13f)	Leningrad. Glavnaia geofizicheskaya observatoriia [Main Geophysical Observatory] Solar Radiation and Radiation Balance Data, Solnechnaya radiatsiia i radiatsionnyi balans.
Ref. zhur. : Fiz. (13f)	Referativnyi zhurnal: Fizika [Journal of Abstracts: Physics]	Soob. AN Gruz SSR (1a)	Akademii nauk Gruzinskoi SSR, Tiflis Soobshcheniia [Academy of Sciences of the Georgian S.S.R. Reports. Russian language edition]
Ref. zhur. : Geol. (12c)	Referativnyi zhurnal: Geologiya [Journal of Abstracts: Geology]	Sots. trud (5d)	Sotsialisticheski trud [Socialist Labor]
Ref. zhur. : Gor. delo (16h)	Referativnyi zhurnal: Gornoe delo [Journal of Abstracts: Mining]	Sots. zakon. (7)	Sotsialisticheskaya zakonnost' [Socialist Legality]
Ref. zhur. : Kib. (13a)	Referativnyi zhurnal: Kibernetika [Journal of Abstracts: Cybernetics]	Sov. arkh. (4a)	Sovetskii arkhiv [Soviet Archives]
Ref. zhur. : Leg. prom. (16f)	Referativnyi zhurnal: Legkaya promyshlennost' [Journal of Abstracts: Light Industry]	Sov. dolgoigr. gramplast. (9b)	Sovetskii dolgoigratushchee gramplastinki [Soviet Long-playing Phonorecords]
Ref. zhur. : Mat. (13e)	Referativnyi zhurnal: Matematika [Journal of Abstracts: Mathematics]	Sov. etn. (12a)	Sovetskaya etnografiia [Soviet Ethnography]
Ref. zhur. : Mekh. (13f)	Referativnyi zhurnal: Mekhanika [Journal of Abstracts: Mechanics]	Sov. gos. i pravo (7)	Sovetskoe gosudarstvo i pravo [The Soviet State and Law]
Ref. zhur. : Prom. transp. (16g)	Referativnyi zhurnal: Promyshlennyi transport [Journal of Abstracts: Industrial Transportation]		
Ref. zhur. : Tekhn. mashinost. (16g)	Referativnyi zhurnal: Tekhnologiya mashinostroeniia [Journal of Abstracts: Technology of Machinery Manufacture]		
Ref. zhur. : Teploenerg. (16g)	Referativnyi zhurnal: Teploenergetika [Journal of Abstracts: Heat Engineering]		
Ref. zhur. : Vod. transp. (17b)	Referativnyi zhurnal: Vodnyi transport [Journal of Abstracts: Water Transportation]		
Ref. zhur. : Vozd. transp. (16b)	Referativnyi zhurnal: Vozdushnyi transport [Journal of Abstracts: Air Transportation]		
Ref. zhur. : Zhel. dor. transp. (16g)	Referativnyi zhurnal: Zheleznodorozhnyi transport [Journal of Abstracts: Railroad Transportation]		
Ryb. khoz. (15b)	Rybnoe khoziaistvo [Fisheries]		
Ryb. prom. (15b)	Rybnaya promyshlennost' [Fishing Industry]		



Sov iust. (7)	Sovetskaya iustitsiya [Soviet Justice]	Transp. i khran. nefli i nefteprod (16h)	Transport i khranenie nefli i nefteproduktov [Transportation and Storage of Petroleum and Petroleum Products]
Sov med (14a)	Sovetskaya meditsina [Soviet Medicine]	Transp. stroi. (16d)	Transportnoe stroitel'stvo [Construction for the Transportation Industry]
Sov podag (8a)	Sovetskaya pedagogika [Soviet Pedagogy]	Trudy Azerb. geog. ob-va (12b)	Azerbaidzhanское географическое общество. Trudy [Azerbaijan Geographic Society Transactions]
Sov. profsoyuzy (5d)	Sovetskie profsoyuzy [Soviet Trade Unions]	Trudy Azerb. old TSNIO RKH (15b)	Tsentral'nyy nauchno-issledovatel'skii institut onkologii khimicheskoy i neftepromyshlennosti Trudy [Central Scientific Research Institute of Sturgeon Reeling Azerbaijanian Department. Transactions]
Sov. slav (4a)	Sovetskoe slavonovedenie [Soviet Slavic Studies]	Trudy Fiz. inst. (13f)	Akademii nauk SSSR. Fizicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Institute of Physics Transactions]
Sov. torg. (5a)	Sovetskaya torgovlia [Soviet Commerce]	Trudy GGO (13f)	Leningrad. Glavnaia geofizicheskaya observatoriya Trudy [Main Geophysical Observatory Transactions]
Sov. vojn (17a)	Sovetskii voyn [Soviet Soldier]	Trudy GIDUV (14a)	Leningrad. Gosudaistvennyi institut usovoi shkol'nikov vrachei. (Trudy) [State Institute of Postgraduate Training for Physicians. (Transactions)]
Sov. klt. i lit. po obshchestv naukam (1a)	Sovremennaya kitaiskaya literatura po obshchestvennym naukam; referativnyi sbornik [Contemporary Chinese Literature on the Social Sciences; Journal of Abstracts]	Trudy GIN (12c)	Akademii nauk SSSR. Geologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Geological Institute. Transactions]
Spirit. prom. (16c)	Spirtovala promyshlennost' [Distilling Industry]	Trudy GIPKH (16c)	Leningrad. Gosudarstvennyi institut prikladnoi khimii. Trudy [State Institute of Applied Chemistry. Transactions]
Sred. spets. obr. (8a)	Srednee spetsial'noe obrazovanie [Secondary Specialized Education]	Trudy Gidropromekla (16d)	Moscow. Vsesoyuznyi proektirovo-izyskatel'skii i nauchno-issledovatel'skii institut "Gidropromekht" imeni S. IA. Zhuk. Trudy [S. IA. Zhuk All-Union Planning and Research Institute "Gidropromekht." Transactions]
Stal' (16h)	Stal' [Steel]	Trudy Gos. nauch.-issl. inst. psikh. (14c)	Moscow. Gosudarstvennyi nauchno-issledovatel'skii institut psikhologii Trudy [State Scientific Research Institute of Psychology. Transactions]
Stan. i instr. (16g)	Stanki i instrument [Machine Tools and Cutting Tools]	Trudy IMGRE (12c)	Akademii nauk SSSR. Institut mineralogii, geokhimi i kristallografii rodkikh elementov. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Mineralogy, Geochemistry, and Crystallochemistry of Rare Elements Transactions]
Stand. i kach (10a)	Standartny i kachestvo [Standards and Quality]	Trudy Inst. biol. vnutr. vod. (13c)	Akademii nauk SSSR. Institut biologii vnutrennikh vod. Trudy [Academy of Sciences of the U.S.S.R. Institute of the Biology of Inland Waters. Transactions]
Stroi. i arkh. (10b)	Stroitel'stvo i arkhitektura [Construction and Architecture]	Trudy Inst. fiziol. AN Kazakh. SSR (13c)	Akademii nauk Kazakhskoi SSR, Alma-Ata. Institut fiziologii. Trudy [Academy of Sciences of the Kazakh S.S.R. Institute of Physiology. Transactions]
Stroi. i arkh. Len (10b)	Stroitel'stvo i arkhitektura Leningrada [Construction and Architecture in Leningrad]	Trudy Inst. geog. AN Azerb. SSR (12b)	Akademii nauk Azerbaidzhanской SSR, Baku. Institut geografii. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Geography. Transactions]
Stroi. i arkh. Mosk. (10b)	Stroitel'stvo i arkhitektura Moskvy [Construction and Architecture in Moscow]	Trudy Inst. ist. est. i tekhn. (13a)	Akademii nauk SSSR. Institut istorii estestvoznaniia i tekhniki. Trudy [Academy of Sciences of the U.S.S.R. Institute of the History of Natural Sciences and Technology. Transactions]
Stroi. i arkh. Uzb (10b)	Stroitel'stvo i arkhitektura Uzbekistana [Construction and Architecture of Uzbekistan]	Trudy Inst. ist. par. [Azerb.] (13a)	Baku. Institut istorii partii. Trudy [Institute of the History of the Party. Transactions]
Stroi. i dor. mash. (16g)	Stroitel'nye i dorozhnye mashiny [Construction and Road Machinery]	Trudy Inst. khim. AN Azerb. SSR (13d)	Akademii nauk Azerbaidzhanской SSR, Baku. Institut khimii. Trudy [Academy of Sciences of the Azerbaijan S.S.R. Institute of Chemistry. Transactions]
Stroi. mat. (16d)	Stroitel'nye materialy [Building Materials]	Trudy Inst. vys. nerv. delat. Ser. patofiziol. (14c)	Akademii nauk SSSR. Institut vysshei nervnoi deiatel'nosti. Trudy. Seriya patofiziologicheskaya [Academy of Sciences of the U.S.S.R. Institute of the Higher Nervous Function. Transactions, Pathophysiological Series]
Stroi. mekh. i rasch. soor. (16d)	Stroitel'naya mekhanika i raschet sooruzhenii [Structural Mechanics and Construction Calculations]	Trudy Irk. inst. nar. khoz. (5b)	Irkutsk. Institut narodnogo khoziaistva. Trudy [Institute of the National Economy. Transactions]
Stroi. truboprov. (16d)	Stroitel'stvo truboprovodov [Pipeline Construction]	Trudy Irk. un. (1a)	Irkutsk. Universitet. Trudy [University. Transactions]
Sud. med. eksp. (14a)	Sudobno-meditsinskaya ekspertiza [Forensic Medicine Expertise]	Trudy KHSKH (15a)	Kharkov. SIl's'kokoospodars'kii inzh. inst. Trudy [Agricultural Institute. Transactions]
Sudostroyenie (17b)	Sudostroyeniye [Shipbuilding]	Trudy Kazan. fil. AN SSSR. Ser. biol. nauk (13c)	Akademii nauk SSSR. Kazanskii filial. Trudy. Seriya biologicheskikh nauk [Academy of Sciences of the U.S.S.R. Kazan Branch. Transactions, Series in the Biological Sciences]
Svod. bliz. nov. inostr. knig. Ser. B (2a)	Svodnyi blizhenii novykh inostrannykh knig, postupyivshikh v biblioteki SSSR. Seriya B: Obshchestvennye nauki [Union List of New Foreign Books Received by the Libraries of the U.S.S.R. Series B: Social Sciences]	Trudy Khim.-mat. inst. Sib. otd. AN SSSR (16a)	Akademii nauk SSSR. Sibirskoe otdelenie. Khimiko-metallurgicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Chemicometallurgical Institute. Transactions]
Tekh. i org. proizv. (16g)	Tekhnologiya i organizatsiya proizvodstva [Technology and Organization of Production]	Trudy Kom. chstv. per (12c)	Akademii nauk SSSR. Komissiya po izucheniiu chelvericheskogo perioda. Trudy [Academy of Sciences of the U.S.S.R. Commission for the Study of the Quaternary Period. Transactions]
Tekh. mashino-str. (16g)	Tekhnologiya mashinostroyeniia [Technology of Machinery Manufacture]	Trudy LPI (16a)	Leningrad. Politehnicheskii institut. Trudy [Polytechnical Institute. Transactions]
Tekh. poligr. (2c)	Moscow. Vsesoyuznyi nauchno-issledovatel'skii institut poligraficheskoi promyshlennosti. Tekhnologiya poligrafii; informatsionno-referativnyi sbornik [All-Union Scientific Research Institute of the Printing Industry, Printing Technology; Information Abstracts]	Trudy LPMI (14b)	Leningrad. Pediatricheskii meditsinskii institut. Trudy [Pediatric Medical Institute. Transactions]
Tekh. v sel'khoz (15a)	Tekhnika v sel'skom khoziaistve [Machinery in Agriculture]	Trudy Lim. inst. (13c)	Akademii nauk SSSR. Sibirskoe otdelenie. Limnologicheskii institut. Trudy [Academy of Sciences of the U.S.S.R. Siberian Department. Limnological Institute. Transactions]
Teor. i prak. fiz. kul't. (8b)	Teoriya i praktika fizicheskoi kul'tury [Theory and Practice of Physical Education]	Trudy MIIT (16g)	Moscow. Moskovskii institut inzhenerov zheleznodoro-rozhnogo transporta. Trudy [Moscow Institute of Engineers of Railroad Transportation. Transactions]
Teor. poligr. i ee prilozh. (13e)	Teoriya poligruppi i ee prilozheniia [Theory of Semigroups and its Applications]		
Teor. verolozh. i ee prim. (13e)	Teoriya verolozhenii i ee primeneniia [Theory of Probability and its Applications]		
Teoret. i eksper. khim. (13d)	Teoreticheskaya i eksperimental'naya khimiya [Theoretical and Experimental Chemistry]		
Teplotnergetika (16g)	Teplotnergetika [Heat Engineering]		
Teplotfiz. vys. temp. (13f)	Teplotfizika vysokikh temperatur [Thermophysics of High Temperatures]		
Torf. prom. (16h)	Torfiannaya promyshlennost' [Paper Industry]		
Torg. za rub. (5a)	Torgovlia za rubezhom [Trade Abroad]		
Trakt. i sel'khoz. mash. (16g)	Traktory i sel'khoz. mashiny [Tractors and Agricultural Machinery]		

Trudy MMTS (13f)	Mirovoi meteorologicheskii tsentr. Trudy [World Meteorological Center. Transactions]	Ugol' (16h)	Ugol' [Coal]
Trudy MYKIPU (10a)	Moscow. Vysshie khudozhestvenno-promyshlennoe uchilishche. Trudy [Higher School of Industrial Art Transactions]	Ugol' Ukr. (16h)	Ugol' Ukrainy [Coal of the Ukraine]
Trudy Mln. muz. (12c)	Akademii nauk SSSR. Mineralogicheskii muzel. Trudy [Academy of Sciences of the U.S.S.R. Mineralogical Museum. Transactions]	Ukl. fiz. zhur. (13f)	Ukrains'kyl fizychny zhurnal [Ukrainian Physics Journal]
Trudy NIIAK (13f)	Moscow. Nauchno-issledovatel'skii institut aeroklimatologii. Trudy [Scientific Research Institute of Aeroclimatology. Transactions]	Ukr. khim. zhur. (13d)	Ukrainskii khimicheskii zhurnal [Ukrainian Chemical Journal]
Trudy NIIGA (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arkktiki. Trudy [Scientific Research Institute of Arctic Geology. Transactions]	Ukr. mat. zhur. (13c)	Ukrainskii matematicheskii zhurnal [Ukrainian Mathematical Journal]
Trudy NIIGMP (13f)	Leningrad. Nauchno-issledovatel'skii institut gidrometeorologicheskogo priborostroyeniia. Trudy [Scientific Research Institute of Hydrometeorological Instrument Manufacture. Transactions]	Usp. khim. (13d)	Uspekhi khimii [Progress in Chemistry]
Trudy NISZHiMSa (16c)	Nauchno-issledovatel'skii institut sinteticheskikh zhirozamennitelei i moluchshikh sredstv. Trudy [Scientific Research Institute of Synthetic Fat Substitutes and Detergents. Transactions]	Usp. sovr. biol. (13c)	Uspekhi sovremennoi biologii [Progress in Contemporary Biology]
Trudy NIIZHB (16d)	Moscow. Nauchno-issledovatel'skii institut betona i zhelezobetona. Trudy [Scientific Research Institute of Concrete and Reinforced Concrete. Transactions]	V mire knig (2a)	V mire knig [In the World of Books]
Trudy Nauch. bibl. SGU (2b)	Saratov. Universitet. Nauchnaia biblioteka. Trudy [University. Research Library. Transactions]	Vech. sred. shkola (8a)	Vecherniaia sredniaia shkola [Evening Secondary School]
Trudy SIMSKH (15a)	Saratov. Institut mekhanizatsii sel'skogo khoziaistva. Trudy [Institute of the Mechanization of Agriculture. Transactions]	Ved. Verkh. Sov. RSFSR (7)	Russia (1917- R. S. F. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy Sai. sel'khoz. inst. (15a)	Saratov. Sel'skokhozyaistvennyi institut. Trudy [Agricultural Institute. Transactions]	Ved. Verkh. Sov. SSSR (7)	Russia (1923- U. S. S. R.) Verkhovnyi Sovet. Vedomosti [Supreme Soviet. Gazette]
Trudy Shem. astrofiz. obs. (13b)	Shemakha. Astrofizicheskaya observatoriia. Trudy [Astrophysical Observatory. Transactions]	Vest. drev. ist. (4a)	Akademii nauk SSSR. Institut istorii. Vestnik drevnei istorii [Academy of Sciences of the U. S. S. R. Institute of History. Review of Ancient History]
Trudy Sukh. bot. sad. (13c)	Sukhum. Botanicheskii sad. Trudy [Botanical Garden. Transactions]	Vest. LGU (1a)	Leningrad. Universitet. Vestnik [University. Review]
Trudy TGU (1a)	Tomsk. Universitet. Trudy [University. Transactions]	Vest. mashino-str. (16g)	Vestnik mashinostroyeniia [Machinery Manufacture Review]
Trudy TIIMSKH (16d)	Tashkent. Institut inzhenerov irrigatsii i mekhanizatsii sel'skogo khoziaistva. Trudy [Institute of Irrigation and Farm Mechanization Engineers. Transactions]	Vest. Mosk. un. Ser. 1: Mat., mekh. (13e)	Moscow. Universitet. Vestnik. Seriya 1. Matematika, mekhanika [University. Review Series 1: Mathematics, Mechanics]
Trudy TaabGU (1a)	Tashkent. Universitet. Trudy [University. Transactions]	Vest. Mosk. un. Ser. 2: Khim. (13d)	Moscow. Universitet. Vestnik. Seriya 2: Khimiia [University. Review. Series 2: Chemistry]
Trudy Tbil. GU (1a)	Tiflis. Universitet. Trudy [University. Transactions]	Vest. Mosk. un. Ser. 3: Fiz., astron. (13f)	Moscow. Universitet. Vestnik. Seriya 3: Fizika, astronomiia [University. Review. Series 3: Physics, Astronomy]
Trudy Turk. geog. ob-va (12b)	Turkmeneskoe geograficheskoe obshchestvo. Trudy [Turkmen Geographical Society. Transactions]	Vest. Mosk. un. Ser. 4: Geol. (12c)	Moscow. Universitet. Vestnik. Seriya 4: Geologiya [University. Review. Series 4: Geology]
Trudy Turk. nauch.-issl. inst. klim., kur. i fiz. metod. lech. (14a)	Ashkhabad. Turkmeneskii nauchno-issledovatel'skii institut klimatologii, kurortologii i fizicheskikh metodov lecheniia. Trudy [Turkmen Scientific Research Institute of Climatology, Health Resort and Physical Therapy. Transactions]	Vest. Mosk. un. Ser. 5: Geog. (12b)	Moscow. Universitet. Vestnik. Seriya 5: Geografiia [University. Review. Series 5: Geography]
Trudy UzGU (1a)	Samarkand. Uzbekskii gosudarstvennyi universitet. Trudy [Uzbek State University. Transactions]	Vest. Mosk. un. Ser. 6: Biol., pochv. (13c)	Moscow. Universitet. Vestnik. Seriya 6: Biologiya, pochvovedeniie [University. Review. Series 6: Biology, Soil Science]
Trudy VKNII (16f)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut konditerskoi promyshlennosti. Trudy [All-Union Scientific Research Institute of the Confectionery Industry. Transactions]	Vest. Mosk. un. Ser. 8: Filos. (13a)	Moscow. Universitet. Vestnik. Seriya 8: Filosofiya [University. Review. Series 8: Philosophy]
Trudy VNIGNI (16h)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii geologorazvedochnyi i neftegnoi institut. Trudy [All-Union Scientific Research Institute of Petroleum Geology and Prospecting. Transactions]	Vest. Mosk. un. Ser. 11: Zhur. (11b)	Moscow. Universitet. Vestnik. Seriya 11. Zhurnalistika [University. Review. Series 11: Journalism]
Trudy VNIRO (16b)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut morskogo rybnogo khoziaistva i okeanografi. Trudy [All-Union Scientific Research Institute of Marine Fisheries and Oceanography. Transactions]	Vest. obshchestv. nauk AN Arm. SSR (1a)	Akademii nauk Armanianskoi SSR, Erivan. Vestnik obshchestvennykh nauk [Academy of Sciences of the Armenian S. S. R. Review of Social Sciences]
Trudy Vych. tsentra AN Gruz. SSR (13a)	Akademii nauk Gruzinskoi SSR, Tiflis. Vychislitel'nyi tsentr. Trudy [Academy of Sciences of the Georgian S. S. R. Computation Center. Transactions]	Vest. rent. i rad. (14a)	Vestnik rentgenologii i radiologii [Review of Roentgenology and Radiology]
TSvet. met. (16h)	TSvetnye metally [Nonferrous Metals]	Vest. sel'khoz. nauk (15a)	Vestnik sel'skokhozyaistvennoi nauki [Review of Agricultural Science]
Uch. zap. GGU (1a)	Gorkiy. Universitet. Uchenye zapiski [University. Studies]	Vest. sel'khoz. nauki [Kazakh. ] (15a)	Vestnik sel'skokhozyaistvennoi nauki [Review of Agricultural Science. Kazakhstan]
Uch. zap. Kab. - Balk. gos. un. (1a)	Nalchik. Kabardino-Balkarskii gosudarstvennyi universitet. Uchenye zapiski [Kabardino-Balkar State University. Studies]	Vest. stat. (5b)	Vestnik statistiki [Statistical Review]
Uch. zap. MGPI (1a)	Moscow. Moskovskii gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [Moscow State Pedagogical Institute. Studies]	Vest. TSNII MPS (16g)	Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Vestnik [All-Union Scientific Research Institute of Railroad Transportation. Journal]
Uch. zap. NIIGA. Ser. "Paleont. i biogeogr." (12c)	Leningrad. Nauchno-issledovatel'skii institut geologii Arkktiki. Uchenye zapiski. Seriya "Paleontologiya i biostatistika" [Scientific Research Institute of the Geology of the Arctic. Studies. Series "Paleontology and Biostatigraphy"]	Vest. AN BSSR. Ser. biol. nav. (13c)	Akademii nauk BSSR, Minsk. Vest. Soriia biolingicheskikh nauk [Academy of Sciences of the White Russian S. S. R. Bulletin. Series in the Biological Sciences]
Uch. zap. Form. ped. inst. (1a)	Form. Pedagogicheskii institut. Uchenye zapiski [Pedagogical Institute. Studies]	Vest. AN BSSR. Ser. hram. nav. (1a)	Akademii nauk BSSR, Minsk. Soriia hramatskikh nauk [Academy of Sciences of the White Russian S. S. R. Bulletin. Series in the Social Sciences]
Uch. zap. Sver. gos. ped. inst. (1a)	Sverdlovsk. Gosudarstvennyi pedagogicheskii institut. Uchenye zapiski [State Pedagogical Institute. Studies]	Vest. AN BSSR. Ser. sel'haap. nav. (16a)	Akademii nauk BSSR, Minsk. Vest. Soriia sel'skoi nauchno-issledovatel'skii institut dachykh nauk [Academy of Sciences of the White Russian S. S. R. Bulletin. Series in the Agricultural Sciences]
		Vnoash. torg. (5a)	Vneshniaia torgovlia [Foreign Trade]
		Vod. i san. tekhn. (16d)	Vodopabzhenie i sanitarnaa tekhnika [Water Supply and Sanitary Engineering]
		Voen. -ist. zhur. (4a)	Voenno-istoricheskii zhurnal [Military History Journal]
		Voen. vest. (17a)	Voennyi vestnik [Military Review]

Voen znan. (17a)	Voennye znanila [Military Knowledge]	Zakup sel'khoz. prod. (5a)	Zakupki sel'skokhoziaistvennykh produktov [Purchases of Agricultural Products]
Vop. din teor raapr seism. voln (12c)	Voprosy dinamicheskoi teorii rasprostraneniia seismicheskikh voln [Problems of the Dynamic Theory of the Propagation of Seismic Waves]	Zap. LGI (10h)	Leningrad. Gornyi Institut Zapiski [Institute of Mining. Records]
Vop. ekon. (5b)	Voprosy ekonomiki [Problems of Economics]	Zap. Vses. min. ob-va (12c)	Vsesoiuznoe mineralogicheskoe obshchestvo. Zapiski [All-Union Mineralogical Society. Annals]
Vop filos (3a)	Voprosy filosofii [Problems of Philosophy]	Zashch met (10h)	Zashchita metallor [Metals' Protection]
Vop geog Kamch (12b)	Voprosy geografii Kamchatki [Problems of the Geography of Kamchatka]	Zashch. rast. (15d)	Zashchita rastenii [Protection of Plants]
Vop. iaz. (11a)	Voprosy iazykoznaniiia [Problems of Linguistics]	Zemledelie (15d)	Zemledelie [Agriculture]
Vop. ist. (4a)	Voprosy istorii [Problems of History]	Zhur. mikrobiol., epid i immun. (14a)	Zhurnal mikrobiologii, epidemiologii i immunobiologii [Journal of Microbiology, Epidemiology, and Immunobiology]
Vop ist KPSS (b)	Voprosy istorii KPSS [Problems in the History of the CPSU]	Zhur Mosk. Patr (3b)	Orthodox Eastern Church, Russian Patriarch Zhurnal Moskovskoi Patriarkhii [Journal of the Moscow Patriarchate]
Vop. kur., fizioter. i lech. fiz. kul't. (14r)	Voprosy kurotologii, fizioterapii i lechennoi fizicheskoi kul'tury [Problems of Health Resort Therapy, Physical Therapy, and Exercise Therapy]	Zhur. neorg. khim (13d)	Zhurnal neorganicheskoi khimii [Journal of Inorganic Chemistry]
Vop lit (11b)	Voprosy literatury [Problems of Literature]	Zhur. nevr i psikh. (14c)	Zhurnal nevrologii i psikiatrii [Journal of Neurology and Psychiatry]
Vop. onk. (14e)	Voprosy onkologii [Problems of Oncology]	Zhur. prikl khim (15c)	Zhurnal prikladnoi khimii [Journal of Applied Chemistry]
Vop. pit. (13c)	Voprosy pitania [Problems of Nutrition]	Zhur. prikl spekt (13f)	Zhurnal prikladnoi spektroskopii [Journal of Applied Spectroscopy]
Vop pred prest. (7)	Voprosy preduprezhdeniia prestupnosti [Problems of the Prevention of Crime]	Zhur. ush., nos. i gorl. bol. (14d)	Zhurnal ushnykh, nosovykh i gorlovykh boleznei [Journal of Ear, Nose, and Throat Diseases]
Vych. mei. i prog. (13e)	Vychislitel'nye metody i programmirovaniie [Computation Methods and Programming]. Issued by Vychislitel'nyi tsentr Moskovskogo universiteta [Computation Center of Moscow University]	Zhur. vych. mat i mat. fiz. (13e)	Zhurnal vychislitel'noi matematiki i matematicheskoi fiziki [Journal of Computer Mathematics and Mathematical Physics]
Vych. sist. (13e)	Vychislitel'nye sistemy [Computer Systems]	Zhur. vys. nerv. deiat. (14c)	Zhurnal vysshei nervnoi deiatelnosti [Journal of Higher Nervous Activity]
Vych. tekhn. [MVTU] (13e)	Vychislitel'naiia tekhnika [Computer Technology]	Zool. zhur. (13c)	Zoologicheskii zhurnal [Zoological Journal]
Vzryv. delo (18h)	Vzryvnoe delo [Blasting]		

# SUBJECT INDEX TO MONOGRAPHS AND PERIODICALS

ACS SERUM see Antihelminth cytotoxic serum

## ACTH

Effect of ACTH and reduced triphosphopyridine-nucleotide on the biosynthesis of androgens and corticosteroids in the adrenal glands. Siao Li [Hsiao Li] Probl endokrin 8 no 6 17-23 N-D '62

Effect of adrenocorticotrophic hormone of hypophysis on secretory stomach activity. A. N. Borshadze, A. V. Asatiani. Soob AN Gruz SSR 11 no 2 177-181 N '66

Effect of thionucleic acid from bovine adenohypophyses on adrenocorticotrophic factor synthesis in acellular system from Escherichia coli B. I. N. Podoarov, L. N. Blok, V. N. Vasil'chenko. Dokl AN SSSR 167 no 2 461-463 M '61.

Some experimental and clinical data on effect of glucocorticoids and ACTH on organism. S. A. Iakimenko and others. Vestsi AN BSSR Ser. biol. nav. no 1 60-66 '66

## ACTH—PHYSIOLOGICAL EFFECT

Morphological changes in the mucous membrane of the small intestine following introduction of ACTH and indomethacin. L. K. Leonova. Biol. eksp. biol. i med. 43 no 1 194-99 Ja '67

## ABBREVIATIONS

The relation of complex abbreviations of words to combinations of words with the same subject topics. G. P. Ikhmanov. Nauch. dokl. vys. shkoly, filol. nauk 15 no 1 187-196 '62

## ABDOMEN—SURGERY

Experience in the reconstruction of defects of the anterior abdominal wall by alloplasty. A. I. Fishchenko. Khirurgia 38 no 11 87-92 N '62.

Long results following herniotomy in inguinal hernia by abdominal-aneurysmal plastic surgery of the inguinal canal. S. V. Gagarin. Khirurgia 38 no 11 100-103 N '62.

Plastic surgery on the anterior abdominal wall using junction. I. S. Vanilenko, S. N. Mukhoedova. Khirurgia 38 no 11 92-97 N '62

## ABELIAN GROUPS

Cyclic extensions of complete Abelian groups. P. M. Rudakov, V. S. Dobnotenko. Dop. AN URSS no 10 1239-1242 '66.

## ABKHAZIA—BIOGRAPHY

Dzidzavla, G. A., and others. [Fighters for Soviet power in Abkhazia] Borley za Sovetskuyu vlast' v Abkhazii, Sukhumi, Alashkara, 1965, 202 p. (MID) (NIC)

## ABKHAZIA—CHRYSANTHEMUMS—VARIETIES

New varieties of small-flowered chrysanthemums. V. S. Iakova-Kolakovskaya. Trudy Sukh. bot. sada no 13 103-104 '60.

## ABKHAZIA—FLOWERS

Selection of ornamental plants blooming in winter and spring for the health resort zone of Abkhazia. I. D. Medzinnishvili. Trudy Sukh. bot. sada no 13 109-122 '60

## ABKHAZIA—FUNGI, PHYTOPATHOGENIC

Some data on fungus infections of large-flowered chrysanthemums under the conditions prevailing in Abkhazia. K. T. Dzhalaganlia. Trudy Sukh. bot. sada no 13 125-130 '60.

## ABKHAZIA—GLADIOLUS—VARIETIES

New forms of gladioli. T. A. Chochua. Trudy Sukh. bot. sada no 13 105-107 '60

## ABKHAZIA—LANDSCAPE GARDENING

Flowers in the urban landscape gardening of the coastal zone of Abkhazia. T. N. Turchinskaya. Trudy Sukh. bot. sada no 13 87-92 '60.

## ABKHAZIA—LAUREL

Study of the morphological characteristics of Laurus nobilis. K. P. Ankva. Trudy Sukh. bot. sada no 13 131-136 '60.

## ABKHAZIA—STONE AGE

New data on the Paleolithic of Abkhazia; thesis of a report. N. Z. Berdzenishvili (Kiladze), I. A. Gvishvili. Trudy Kom. cheiv. per. 10 120-121 '61.

## ABKHAZIA—WOODY PLANTS—DISEASES AND PESTS

Pests of deciduous trees and shrubs in the coastal zone of Abkhazia and the measures for their control. V. N. Vashadze. Trudy Sukh. bot. sada no 13 81-86 '60.

## ABKHAZIAN NAMES see Names, Abkhazian

## ABNORMALITIES (ANIMALS)

Abnormalities in camp and their causes. K. I. Tatarko. Zool. zhurn 15 no 12 1626-1634 '66

## ABOMASUM—SECRETIONS

Effect of acidophilic yeast silage from corn and soybean on abomasum secretion in calves and lambs. V. D. Mitonova, M. F. Arkhangelskaya. Trudy Inst. fiziol. AN Kazakh SSR 10 199-202 '66

## ABOMINABLE SNOWMAN see Yeti

## ADRASION

Plastic deformation of a metal surface due to scratching by abrasive grains. J. D. Polosatkin, I. A. Solomonov. Izv. vys. uch. zaved., fiz. 9 no 6 160-162 '66.

## ABSCCESS

Opening of the capsule of a gravity abscess along a guiding needle. O. I. A. Sandovskii. Ortop., travmat. i protz., 27 no 12 63-61 D '66.

Permeability of Selye's abscess to some radioactive isotopes in acute radiation sickness. N. P. Ushkov. Radiobiologiya 2 no 1 533-538 '62.

## ABSENCE AND PRESUMPTION OF DEATH

The proof of absence and the presumption of death. K. Bykova. Sots. zakon, no 2 78-80 F '67

## ABSORPTION

Absorption of metal ions from H<sub>2</sub>O, H<sub>2</sub>O<sub>2</sub>, and KOH on the surface of pyrogermanium and silicon junctions. B. S. Sotnikov, A. S. Belanovskii, A. D. Trakhtenberg. Radiokhimiya no 6 617-621 '66.

## ABSORPTION (PHYSIOLOGY)

Comparative evaluation of the secretory and absorbing functions of small intestine loops isolated by means of different methods. Yu. V. Kononov. Fiziol. zhurn. 52 no 12 1463-1470 D '66.

## ABSORPTION OF LIGHT

Passage of light pulse through nonlinear absorbing medium. V. S. Zuev, V. A. Shcheglov. Zhur. prikl. spekt. 5 no 5 604-608 N '66.

Properties of bleaching fillers. B. I. Stepanov, R. K. Lashitskaya. Zhur. prikl. spekt. 5 no 5 595-603 N '66.

Thermal conductivity and the degree of blackness of hafnium iodide. D. L. Linnat, V. D. Peletskii, V. I. Voskresenskiy. Teplofiz. vys. temp. 4 no 6 874-875 N-D '66.

## ABSORPTION OF SOUND

Dispersion and absorption of sound in water and acetone. E. V. Tiganov. Fiz. v. red. Zhur. eksper. i teoret. fiz. 4 no 10 386-388 N '66.

Effect of excitons on absorption of ultrasound in piezoelectric semiconductors. A. E. Glinberman, M. A. Ruvinskiy. Fiz. tver. tela 8 no 11 3335-3338 N '66

## ABSORPTION SPECTRA

Absorption spectra of thiocyanates, 2-thiothiazanones, and 2,4-thiazanethiones. N. M. Turkevich. Ukr. khim. zhur. 32 no 11 1185-1189 '66.

Coloration of fluorite crystals during growth. V. M. Reiterov, Z. N. Korotova. Opt. i spekt. 21 no 5 533-537 N '66.

Determining absorption spectra of individual cells of plant leaves. S. G. Gumbel'skii, V. P. Rvachev. Zhur. prikl. spekt. 5 no 5 674-680 N '66.

Effect of directed deformation on fundamental absorption edge of trigonal selenium single crystals. V. Kriachuk, M. Mikalkevich. Fiz. tver. tela 8 no 11 3429-3430 N '66.

Experimental determination of the dipole moment of the transition of  $\gamma$ - and  $\beta$ -systems of nitric oxide. E. T. Anisimov. Trudy Fiz. inst. 35 3-73 '60.

Infrared absorption spectra of chromium and iron orthotantalates. F. A. Rozhdavitskiy, F. I. Kiylov. Fiz. tver. tela 8 no 11 3382-3393 N '66

Long-wave infrared absorption spectra of dicarboxylic acids. A. E. Stanevich. Opt. i spekt. 21 no 5 645-647 N '66

Low-temperature anomaly in absorption spectra of HbMn<sup>2+</sup> and K<sup>+</sup> and Cd<sup>2+</sup> ions. A. F. Antonov, A. I. Belitsky, V. V. Dement'ev. Fiz. tver. tela 8 no 11 3397-3400 N '66.

Studying phototopic transformations of methyl red under intermittent light. A. K. Chibrikov. Zhur. prikl. spekt. 5 no 5 635-641 N '66.

## ABSTRACT ART see Art, Abstract

## ACADEMIC DISSERTATIONS see Dissertations, Academic

## ACADEMY OF SCIENCES OF THE ESTONIAN S. S. R

Eesti NSV Teaduste Akadeemia. [The Academy of Sciences of the Estonian S. S. R., 1956-1964] Eesti NSV Teaduste Akadeemia aastail 1956-1964. Tallinn, 1965 307 p. [in Estonian]

## ACADEMY OF SCIENCES OF THE U. S. S. R

Preparation for a glorious anniversary. Prirod. no 1 117 Ja '67

## ACADEMY OF SCIENCES OF THE UKRAINIAN S. S. R

Activity of scientific seminars of the Institute of Mechanics of the Academy of Sciences of the Ukrainian S. S. R. in the first half of 1966. O. A. Geroshko, A. F. Ulitko, I. I. Khoma. Prikl. mekh. 2 no 12 129-132 '66.

Miscellaneous information. Dop. AN URSS no 10 1363 '66

Miscellaneous information. Dop. AN URSS no 12 1621 '66.

New departments and laboratories. Dop. AN URSS no 7 971-975 '62.

Shortcomings in organizing and conducting conferences, seminars, schools and symposia in the Academy of Sciences of Ukrainian S. S. R. Dop. AN URSS no 12 1619-1620 '66

## ACADEMY OF SCIENCES OF WHITE RUSSIAN S. S. R

Polish scientists in White Russian Academy of Sciences. V. F. Chienikava. Vestsi AN BSSR Ser. biol. nav. no 4 133-134 '66.

Session of the Academy of Sciences of White Russian S. S. R. Vestsi AN BSSR, Ser. biol. nav. no 3 137-138 '66.

## ACANTHOLYDA—EXTIRMINATION

Aerial spraying against Acantholyda stellata. N. Ganus, L. Mal'v. Zashch. rast. 12 no 1 49 '67.

## ACCELERATION (PHYSIOLOGY)

Electrophysiological study of the activity of skin and motor analyzers and the effect of acceleration. E. V. Malyukhanov and others. Zhur. vys. nerv. delat. 12 no 6 1021-1023 N-D '62

## ACCENTS AND ACCENTUATION

Stress and tone in respect to phonology and phonetics. P. S. Kuznetsov. Publ. Otd. struk. i prikl. lingv. MGU no 1 81-115 '65

## ACCLIMATIZATION

Some problems of the acclimatization of Dutch cattle in White Russia. V. B. Iofe. Vestsi AN BSSR, Ser. sei.-hosp. nov. no 4 105-101 '66.

## ACCOUNTING

(see also subdivision under Chita Province; Moscow)

The new instructional materials. Bukhg. uch. no 12 55-59 D '66.

Nikitin, V. M., and V. V. Milov. [Analysis of managerial operations in trade] Analiz khoz. i stat. delat'nosti v tovgov. Moskva, Ekonomika, 1966, 165 p.

Combining accounting and statistical reports. A. Tera-sov. Bukhg. uch. no 12 22-24 D '66.

Some problems of accounting. L. Basmanov. Bukhg. uch. no 12 16-22 D '66.

Vedernikov, S. S. [Course in accounting] Kurs bukhgalterskogo uch. 2., perer. izd. Moskva, Statistika, 1967, 408 p.

**ACCOUNTING—PERIODICALS** see subdivision under Europe, Eastern

#### ACENAPHTHENE

Colorimetric method for determining acenaphthene content in petroleum products. D. A. Aliev, V. V. Fetisov, L. I. A. Pancha. Neftepr. i neftekhim. no. 8:44-48 '66

#### ACETALS

Chemistry of acetals. Report No. 15. Reaction of acetals with compounds containing labile hydrogen atom. S. E. Iuft and others. Izv. AN SSSR Ser. Khim. no. 1:132-133 Ja '67

#### ACETIC ACID

Complex compounds of thallium (III) with hexamethylene-diaminetetracetic acid. V. I. Kornov, K. V. Astakhov, V. I. Rybina. Zhur. neorg. khim. 12 no. 1:152-155 Ja '67.

Complex formation of thallium (III) with N, N, N', N'-tetraacetic acid of 2,3-diaminodimethyl ether. V. I. Kornov, K. V. Astakhov, V. I. Rybina. Zhur. neorg. khim. 12 no. 1:148-151 Ja '67.

Effect of sodium fluoracetate on different brain structures in white rats. V. A. Artushkova, M. V. Firzov. Vest. Mosk. un. Ser. 6 Biol., pochn., 21 no. 3:18-22 S-O '66

Infrared spectra and structure of compounds formed in the extraction of acetic acid and UV by triethylamine solutions. A. A. Lipovskii, M. G. Kuzina, Zhur. neorg. khim. 12 no. 1:236-243 Ja '67

Study of paint coatings resistant to an acetic acid medium. G. A. Orlovskaya, V. G. Asatryan, A. M. Balan. Lakokras. mat. i kh. prom. no. 6:23-25 '66.

Synthesis and complex-forming properties of racemic 2,3-dihydroxy-1,4-diaminobutanetetracetic acid. N. M. Distalova and others. Dokl. AN SSSR 172 no. 1:94-97 Ja '67

Thorium acetates. A. K. Molodtsov, O. M. Ivanova, G. A. Skolnikova. Zhur. neorg. khim. 12 no. 1:116-125 Ja '67

Trilonometric determination of aluminum in solutions and on fabrics. E. V. Shutskev, Nauch.-issl. trudy TSNILV 21:169-180 '66.

#### ACETOACETIC ACID—SPECTRA

Study of acid immodiacetic acids of some metals. N. M. Piatkova and others. Zhur. neorg. khim. 12 no. 1:126-132 Ja '67.

#### ACETONE

Calculation of ultraviolet and visible spectra of copper acetyl acetate. V. I. Avdeev, L. L. Zakharenko. Teoret. i ekspr. khim. 2 no. 5:609-615 S-O '66.

Composition of surface layer in the system n-hexane-acetone. A. I. Rusano, S. A. Levichev, V. I. Trushin. Vest. LGU 21 no. 22:121-127 '66.

Dispersion and absorption of sound in water and acetone. E. V. Tiganov, P. I. V. red. Zhur. ekspr. i teoret. fiz., 4 no. 10:385-388 N '66

Electroreduction of acetone on cathodes of lead-tin alloys. A. P. Tomilov, B. L. Klimov. Elektrokhemija 2 no. 12:1405-1413 D '66.

Ternary complexes of rare earth elements with thienyl trifluoroacetone and some organic bases. E. V. Mefencheva, L. L. Kononenko, N. S. Poluektov. Ukr. khim. zhur. 32 no. 11:1147-1153 '66.

Use of acetone in simultaneous extraction of vegetable oils. V. V. Beloborodov, E. F. Bukhtareva. Masl.-zhur. prom. 32 no. 10:20-21 O '66

#### ACETOPHENONE

Some features of the bromination of 4-hydroxy-3,5-di-tert-butylacetophenone. A. A. Volodkin, V. V. Ershov, N. V. Porinykh. Izv. AN SSSR, Ser. khim. no. 1:215-216 Ja '67.

Using industrial catalysis in hydrogenation of acetophenone. D. V. Mushenko and others. Neftepr. i neftekhim. no. 8:45-48 '66.

#### ACETYLENE

Condensation of acetylene with phenol in the presence of the KU-2 cation exchange resin. V. L. Valser, V. D. Riatov, B. M. Piriatinskii. Zhur. prikl. khim. 34 no. 6:1380-1381 Je '61.

Effect of separate factors on the process of acetylene dimerization. S. Kantardzhian, A. Sukiasian. Prom. Arm. 9 no. 11:52-54 '66.

Pharmacological study of iriol preparation of acetylene series-1,2,5-trimethyl-4-(3,4-dimethyl-peptin-1-diol-3,4)-4-piperidol. K. Kh. Khaidarov, G. V. Mordvinova, M. B. Iamailova. Izv. Otd. biol. nauk AN Tadzh. SSR no. 3:81-85 '66.

#### ACETYLENE—ELECTRIC PROPERTIES

Nuclear magnetic resonance and electric properties of polyacetylene. V. I. Shepelev and others. Elektrokhemija 2 no. 12:1458-1470 D '66.

#### ACETYLENE COMPOUNDS

Catalytic hydrogenation of acetylenic  $\gamma$ -glycols and their derivatives. Report No. 14. Hydrogenation of  $\beta$ -cyanoethyl ethers. P. S. Balasov and others. Izv. AN SSSR, Ser. khim. no. 12:2176-2179 '66.

Studying certain acetylene compounds as acid corrosion inhibitors. N. I. Podobayev, A. G. Voskresenskiy, G. F. Semikolenov. Zaashch. met. 3 no. 1:112-115 Ja-F '67.

Vinyl ethers, derivatives of acetylenic glycols (vinylalkoxyalkynols). M. F. Shostakovskiy and others. Dokl. AN SSSR 171 no. 8:1355-1357 D '66.

#### ACETYLIDES

Interaction between sodium acetylene and Grignard reagent. M. F. Shostakovskiy and others. Dokl. AN SSSR 167 no. 2:365-368 M '66

#### ACID-BASE EQUILIBRIUM

Disorders of external respiration and acid-base equilibrium before and following lithotriatic operations. D. Grants. Gud. khim. 9 no. 1:10-55 Ja-F '67

#### ACIDITY

Effect of acidity on the interaction of ions in aqueous solutions. V. A. Latsheva. Probl. sov. khim. koordin. soed. no. 1:157-182 '66.

#### ACIDS

Effect of concentration and nature of acid on the force of oxidizers in the systems  $H_2O_2/H_2O$  and  $H_2AsO_4/H_2SO_4$ . N. S. Astakhina, V. G. Gurevich. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:721-728 '66.

Extraction of complex acids with oxygen-containing solvents. Part 7: Extraction of polymers, bismuth, and lead with alcohols. A. S. Ruschenko, B. Z. Iofa. Radio-Fizika 11 no. 6:621-626 '66

Keto and aldehyde acids in Chlorella. V. R. Shatilov and others. Dokl. AN SSSR 172 no. 3:731-732 Ja '67.

Rapid chromatographic method of determining acids. T. A. Khidinkova, A. P. Feshkov. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:713-716 '66.

#### ACIDS, FATTY

Alkyd resins modified by the unsaturated fraction of soap-stock fatty acids. M. D. Bodina, M. A. Osavetskii, G. M. Baranovskaya. Lakokras. mat. i kh. prom. no. 6:15-19 '66

Determination of borne acid in the presence of water-soluble fatty acids. E. N. Matynov. Trudy NIISSHIMS 2 no. 2:79-83 '61

Effect of the addition of unsaponifiable matter to paraffin on the output and composition of fatty acids. A. I. Ilina, M. A. Marchenko. Masl.-zhur. prom. 32 no. 11:20-22 N '66.

Evaporation of synthetic fatty acids in a rotor-type film evaporator. A. N. Marchenko, V. M. Respiatov, A. R. Tikhomirov. Masl.-zhur. prom. 32 no. 11:16-11 N '66.

Fatty acid composition of the oil of various Indian mustard varieties. N. F. Dublinskaya, L. V. Suprunova. Masl.-zhur. prom. 33 no. 1:13-15 Ja '67.

Gas chromatography of the macromolecular fatty acids of fat deposits in ruminants and swine. A. I. Kornilov, V. S. Sel'khoz. nauki 11 no. 11:101-103 '66.

$\omega$ -Phenylperfluorooctanoic and  $\omega$ -phenylperfluorodecanoic acids. L. L. Knaumova, V. V. Shokina. Izv. AN SSSR, Ser. khim. no. 1:71-78 Ja '67

Photocolorimetric determination of copper and iron in synthetic fatty acids. V. K. Chebotarev, F. M. Kozlova, I. A. Kozlov. Masl.-zhur. prom. 33 no. 1:38-39 Ja '67.

Structure and properties of dispersions of sodium soaps of saturated carboxylic acids in hydrocarbon oils. V. V. Sintsov, E. V. Aleeva, I. U. I. Ischuk. Dokl. AN SSSR 167 no. 2:395-398 M '66.

Study of ion exchange on crystals of fatty acids and their Mg and Ca salts. O. N. Grigorov, N. G. Shatova. Vest. LGU 21 no. 22:136-140 '66

Third All-Union Conference on Synthetic Fat Substitutes, Surface Active Agents, and Synthetic Detergents. Masl.-zhur. prom. 32 no. 10:1-5 O '66.

Volatile fatty acids of butterfat. V. P. Arstova, A. A. Kayskaya. Dokl. TSKHA no. 45:113-118 '69.

#### ACIDS, ORGANIC

Chemical changes in di- and tricarboxylic acids in the process of preserving some succulent plants. P. A. Filadkov, Farmatey zhur. 18 no. 3:52-55 '63.

Determination of volatile organic acids in hydrolyzates of grain hulls and capsules. M. S. Dudkin, N. G. Shkanova. Zhur. prikl. khim. 34 no. 6:1337-1342 Je '61

Effect of diluents on the extraction of rare earth elements by carboxylic acids. I. N. Plakun, V. S. Sirizhko, I. U. S. Fedotov. Dokl. AN SSSR 171 no. 6:1340-1351 D '66.

Electric conductivity of the systems of nitrobenzene with carboxylic acids. R. M. Kulikova, T. F. Kniazkova. Trudy TGU 165:93-98 '65

Extraction of uranium, thorium, and accompanying elements by monocarboxylic acids. E. N. Morikin, M. D. Ivanovskii, V. F. Borbat. Radiokhemija no. 6:705-707 '66.

Long-wave infrared absorption spectra of dicarboxylic acids. A. D. Stanevich. Opt. i spekt. 21 no. 5:645-647 N '66.

Some features of infrared absorption spectra of vanadyl alkanoates with anomalous magnetic properties. V. T. Kalinikov, V. V. Zolotov, M. N. Volkov. Izv. vys. ucheb. zav. khim. i khim. tekhn. no. 5:720-734 '66.

Stability of scandium complexes with acetate, lactate, and maleate ions. V. A. Kaleeva, V. N. Kumok, V. V. Serebrennikov. Trudy TGU 185:141-145 '65.

#### ACONTINE—PHYSIOLOGICAL EFFECT

Pulmonary edema in white rats and rabbits following introduction of aconitine into the hypothalamus. I. A. Lazarev and others. Biol. eksp. biol. i med. 63 no. 1:22-26 Ja '67.

**ACOUSTICAL MATERIALS** see subdivision under Acoustics

#### ACQUISITIONS (LIBRARIES)

[New foreign books, catalog of new acquisitions] Nov. in. knizh. kat. nov. prib. nos. 10, 12 '66, no. 1 '67

Publishing houses and libraries, V. Nodnev. Bibliotekar' 41 no. 2:4-11 '67

Where are the limits of our growth? IU, Stolin as. Bibliotekar' 14 no. 2:41-15 F '67

#### ACRIDINE

Relationship between acridine and DNA. G. V. Gerasimov. Biofizika 11 no. 5:737-746 '66

#### ACRIDINE—TOXICOLOGY

Possible causes of a decrease in the toxicity of acridine derivatives (acridine, aminoacridine) when used in combination with some food extracts. M. N. Lelchuk. Med. prikl. i publ. bol. 35 no. 6:712-717 N-D '66

#### ACROBATS

Correlations in movement adjustment and its effect on technique of some acrobatic jumps. B. F. Shokhin. Teor. i prikl. fiz. kul't. 29 no. 12:32-35 '66

#### ACROLEIN

Equilibrium liquid-vapor in the system water-acrolein at 200 mm. Hg pressure. R. P. Kabanova, S. Sh. Dyk. Zhur. prikl. khim. 31 no. 8:1371-1376 Je '61

#### ACROLEIN—SPECTRA

Experimental study of the effect of alkyl substituents on the position of K and R absorption bands of acrolein derivatives. A. P. Morozova, O. P. Babitskii, L. I. Bodina. Teoret. i ekspr. khim. 2 no. 5:635-640 S-O '66.

#### ACRYLAMIDE

Low water loss absorption with polyacrylamide adsorbents. T. R. Khamanov, Sh. M. Rukhtimov. Neft. khim. 11 no. 10:31-33 O '66

#### ACRYLIC ACID

Analyzing the copolymers of vinyl acetate with ester and acrylic acid. I. M. Pripletikhova and others. Lakokras. mat. i kh. prom. no. 6:45-47 '66

Electron paramagnetic resonance method of studying the kinetics of acrylic oligomer at advanced stages of polymerization. B. K. Shukhov. G. V. Kozlov, A. A. Bozhin. Khim. i tekhn. 7 no. 6:680-681 N-D '66.

Sedimentation of polyacrylic acid in salt solution. V. V. Tsvetkov and others. Vest. LGU 21 no. 22:363-364 '66

#### ACRYLONITRILE POLYMERS

Electron microscopic analysis of the kinetics of formation and growth of globules in heterophase polymerization of acrylonitrile. I. S. Roshin, G. B. Karpov, M. B. Ivanovskii. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:619-622 '66.

#### ACTINIDE COMPOUNDS

X-ray diffraction examination of actinide compounds. V. K. Tyunov, O. A. Eshumova, L. M. Kovina. Radiokhemija no. 6:717-718 '66.

#### ACTINIDE ELEMENTS

Extraction of actinide, thorium, and accompanying elements by monocarboxylic acids. E. N. Morikin, M. D. Ivanovskii, V. F. Borbat. Radiokhemija no. 6:701-707 '66.

#### ACTINIUM ISOTOPIES—SPECTRA

Measuring the energies of fundamental  $\alpha$ -groups in  $^{225}\text{Ac}$ ,  $^{227}\text{Ac}$ ,  $^{228}\text{Ac}$  and others. Izv. AN SSSR, Ser. fiz. 11 no. 1:151-153 Ja '67

#### ACTINOMETER

Effect of circumferential radiation on comparability of readings of actinometers with different angles of opening. L. M. Skuratovskaya, I. U. D. Anishevskii. Trudy GGO no. 104:123-124 '66.

Improvement of method of checking actinometric instruments under laboratory conditions. V. A. Klevantsev. Trudy GGO no. 109:195-198 '66.

#### ACTINOMETRY

Correlation relationships between values of long-wave balance of atmosphere and outgoing radiation. K. A. Kondrat'ev, I. N. Danchenko. Trudy GGO no. 104:141-152 '66

Dependence of integral function of atmospheric transfer on black radiation temperature. B. Sh. Borbatov, A. M. Brownshel, K. V. Karkova. Trudy GGO no. 104:122-130 '66.

Improved method for the computation of total radiation. M. S. Averkiev. Vest. Mosk. un. Ser. 5: Geog. 14 no. 1:40-47 Ja-F '61.

Measurement of photosynthetically active radiation. I. A. Shalunov, I. U. D. Anishevskii. Trudy GGO no. 104:121-134 '66.

Ultraviolet radiation at various heights in cloudless aerosol atmosphere. V. A. Bolinskii, B. A. Semenchuk. Trudy GGO no. 104:3-21 '66.



## ACTINOMETRY—OBSERVATIONS

[Actinometric monthly] Aktinometr ozhom. Nov. (Pl. 1) 1963, publ. '67.

## ACTINOMYCES

(see also subdivision under Karelia, Ukraine)

Study of the formation by Actinomyces of biologically active substances with a protective effect in lesions caused by radiomimetic compounds. N. V. Klitsunova. Antibiotiki 12 no. 122-26 Ja '67.

## ACTINOMYCES—CULTURES AND CULTURE MEDIA

Biosynthesis of porphyrins in developmental dynamics of Actinomyces olivaceus, producers of vitamin B<sub>12</sub>. V. N. Shaposhnikov, I. V. Konova, R. K. Rybakova. Dokl. AN SSSR 171 no. 6:1430-1442 D '66.

Effect of phage on variability of Micromonospora vulgaris. N. S. Agre, A. S. Troitskii, R. A. Radzhapov. Vest. Mosk. un. Ser. 6: Biol., pochv. 21 no. 5:39-41 S-O '66.

Nature of pigment antibiotics of some new species of violet Actinomyces. G. Z. Iakubov and others. Mikrobiologiya 33 no. 6:1053-1058 N-D '66.

## ACTIVATED CARBON see Carbon, Activated

## ACTIVATION ENERGY

Activation energy of temperature background of internal friction. D. Ia. Pines, A. A. Karanzin. Fiz. met. i metalloved. 22 no. 4:632-635 O '66.

Contribution of crystalline field effect to oxygen energy bonding in oxides with spinel structure. N. N. Bulgakov, I. U. Bolevov. Kinetika 7 no. 6:1007-1014 N-D '66.

Kinetics of hydrolytic decomposition of feldspar cation. A. A. Pendlin, M. S. Zolotarevskii, P. K. Leonovskii. Kinetika 7 no. 6:1074-1077 N-D '66.

Role of thermal peaks in radiation-induced decomposition of salts by heavy charged particles. A. N. Oblivantsiev and others. Kinetika 7 no. 6:1055-1059 N-D '66.

Shift of the catalyst potential as a function of a reaction rate in liquid phase hydrogenation. Part 2: Stationary electrochemical potential of a catalyst and optimum conditions for the process. V. A. Druz' Kinetika 7 no. 6:1089-1091 N-D '66.

## ACTIVITY COEFFICIENTS

Activity characteristics and their theoretical determination in binary iron alloys. E. S. Filippov, S. I. Filippov. Izv. v. s. ucheb. zav., i. khim. met. 10 no. 1:9-15 '67.

## ACTIVITY PROGRAMS IN EDUCATION

(see also subdivision under Belgorod; Estonia)  
In our study rooms. T. Komarnitskii. Nar. obr. no. 1:74-76 Ja '67.

## ACTOMYCOSIS

Relationship between cations and ATP and myosin and actomyosin monolayers. M. M. Zaslavskii, A. R. Iglazirova. Biofizika 11 no. 5:785-790 '66.

## ACTORS

[My role] Moia rol'; sbornik statoi. Moskva, Iekusstvo. No. 4, 1966. 50 p. (Repetuar khudozhestvennoi samodeiatel'nosti, no. 8)  
Shechepkin in Moscow. I. Zhur. V mire knig 6 no. 6:46 Je '66.

## ACYLATION

Acylation of 2,6-di-tert-butylphenol. N. V. Porinykh, A. A. Volod'kin, V. V. Ershov. Izv. AN SSSR, Ser. khim. no. 12:2243-2244 '66.

## ADAPTATION (BIOLOGY)

Adaptive response of roach population to changing habitat conditions. A. G. Podubnyi. Trudy inst. biol. vnutr. vad. no. 10:131-138 '66.

Data for studying regulation in endocrine systems. V. M. Dil'man. II. V. Orlov. Fiziol. zhur. 52 no. 12:1401-1406 D '66.

Ecological and physiological adaptations of blood in Cyclostomata. P. A. Korzhnev, T. N. Glazova. Dokl. AN SSSR 172 no. 1:236-238 Ja '67.

Effect of hydrogen sulfide baths on blood circulation and the processes of functional adaptation in dogs with experimental atherosclerosis. N. R. Chepikova. Vopr. i. fiziolog. i lech. fiz. kul't. 31 no. 6:497-504 '66.

Lung volumes in temporary residents of high altitude areas. K. I. Akhmedov. Bul. eksp. biol. i med. 63 no. 12:8-21 Ja '67.

Resistance to the cold and heat in animals receiving diazepam or subjected to muscular training and acclimatization. V. Ia. Rusin. Fiziol. zhur. 49 no. 3:359-365 Mr '63.

## ADDITION REACTIONS

Mechanism of 1,3-dipolar cycloaddition of nitro esters V. A. Tarkatovskii, A. A. Onishchenko, S. S. Novikov. Izv. AN SSSR, Ser. khim. no. 11:77-179 Ja '67.

Structural and steric directivity of reactions of nucleophilic addition of thiols to vinylacetylene. V. N. Petrov, G. M. Andrianova, E. N. Prilezhneva. Izv. AN SSSR, Ser. khim. no. 12:2180-2188 '66.

Studying the mechanism of the protective action of mucic acid additions on titanium in sulfuric acid solutions. V. V. Andreeva, E. A. Iakovleva. Zashch. met. 3 no. 1:55-61 Ja '67.

## ADENOSINE TRIPHOSPHATES

Activating effect of ATP on O<sub>2</sub> absorption process by chloroplasts in light. R. M. Rehm and others. Dokl. AN SSSR 167 no. 2:414-417 M '66.

Effect of temperature of respiration and adenosine triphosphate level during histolysis of loach eggs. A. I. Zolot, N. D. Ozerinuk. Dokl. AN SSSR 171 no. 1:1002-1004 D '66.

Relationship between cations and ATP and myosin and actomyosin monolayers. M. M. Zaslavskii, A. R. Iglazirova. Biofizika 11 no. 5:785-790 '66.

## ADENOSINETRIPHOSPHATASE

Effect of ionizing radiation on the adenosinetriphosphatase activity of crystalline myosin. G. V. Chitortidze. Soob. AN Gruz. SSR 27 no. 2:157-161 Ag '61.

## ADENOSINETRIPHOSPHATASE IN THE BODY

Comparison of adenosinetriphosphatase activity of erythrocytes, thymic stroma and blood plasma with changes in osmotic resistance of erythrocytes in rats trained to hypoxia. Z. I. Barabashov, G. I. Grigorieva. Fiziol. zhur. 52 no. 11:1346-1352 N '66.

## ADENOVIRUS INFECTIONS

Serologic materials on the epidemiology of adenovirus diseases. A. P. M'itnik, Zhur. mikrobiol., i. epid. i immun. 41 no. 1:122-126 Ja '67.

## ADENYLIC ACIDS

Dispersion of optical relation of polyribadenylic acid. A. I. Gorin, O. I. Kiseleva, N. V. Bogolavenskaya. Biofizika 11 no. 5:903-905 '66.

## ADHESION

Investigating effect of interaction forces on sticking of drilling string. N. M. Shestakov, A. A. Gligolov. Neft. khim. 44 no. 10:20-21 O '66.

Method to control activity of bitumens and their components. V. N. Finaishin. Neftepr. i neftekhim. no. 10:16-17 '66.

## ADHESIVES

Choosing synthetic glues for fastening decorative and finishing plastics. V. M. Khimiev. Stoi. mat. 7 no. 11:38-39 N '61.

Precompressing glued seams of reinforced concrete spans. I. U. Mel'nikov, L. V. Zakharov. Transp. stroit. 16 no. 3:14-16 M '66.

Study of the gluing capacities of compositions obtained by blending polyamide and phenol-formaldehyde resins. M. P. Kotov and others. Izv. v. s. ucheb. zav., i. tekhn. i. prom. no. 6:45-52 '66.

## ADMINISTRATION OF CRIMINAL JUSTICE see Criminal Justice, Administration of

## ADMINISTRATIVE LAW

Akademiya nauk SSSR, Institut gosudarstva i prava. [Legal problems in the theory of administration] Pravo-voye problemy nauki upravleniya. Moskva, IURid, 11-12, 1966. 223 p.  
Leningradskii gosudarstvennyi universitet. [Soviet administrative law (special part)] Sovetskoe administrativnoe pravo (osobennaya chast'). [Leningrad] Izd-vo Leningr. univ., 1966. 319 p.

## ADMINISTRATIVE SANCTIONS see Sanctions, Administrative

## ADOLESCENCE

Levin, V. M. [Materials for the control and evaluation of the physical state of adolescents] Materialy dlia kontroli i otsenki fizicheskogo sostoianiya podrostkov. [Leningrad] Meditsina, 1966. 136 p. (DNLM)

## ADRENAL CORTEX

Correlation of the effectiveness of electroconvulsive therapy and the reactivity of the adrenal cortex. A. N. Timofeeva. (Trudy) GIDUV no. 4:272-277 '62.

## ADRENAL CORTEX—DISEASES

Changes in the adrenal cortex in burn disease. L. I. Muzykani, Arkh. pat. 26 no. 12:22-26 '66.

Congenital virilizing hyperplasia of the adrenal cortex. L. L. Liberman, A. M. Raskin. Probl. endok. i gorm. 8 no. 6:86-87 N-D '62.

## ADRENAL GLANDS

Changes of the functional state of the adrenal glands under conditions of artificial hypothermia. Z. Ia. Dolgova, V. A. Glumova, E. V. Astrozhnikova. Arkh. pat. 28 no. 12:28-30 '66.

Effect of testosterone propionate and methylandrostenediol on the secretory capacity of the adrenal glands in rats. T. S. Sakhsatskaya. Probl. endok. i gorm. 8 no. 6:12-17 N-D '62.

Functional state of the adrenal glands in nephropathies in children during the dynamic progress of the disease. E. M. Okulova. Sov. med. 20 no. 11:81-85 N '66.

Histochemical study of adrenalin, noradrenalin and ascorbic acid in adrenal glands of cats following insulin coma. V. V. Iaglov, Arkh. anat., gist i embri. 51 no. 10:122-125 O '66.

Hypoplasia of the hypophyseal-adrenal system in newborn animals as the cause of low resistance to morphine. I. V. Markova. Probl. endok. i gorm. 8 no. 6:3-8 N-D '62.

## ADRENAL GLANDS—SURGERY

Insufficiency of the endocrine function of the adrenal cortex as the cause of low resistance in newborn and adrenalectomized adult rats to reserpine. I. V. Markova. Probl. endok. i gorm. 8 no. 6:8-12 N-D '62.

Reurrences of Itsenko-Cushing's disease. Following subtotal adrenalectomy. A. P. Kalinin. Sov. med. 30 no. 1:131-138 Ja '67.

## ADRENALINE

Adrenalin and acetylcholine participation in regulation of milk secretion in goats. B. N. Abbasov, Z. M. Alakbarova. Trudy Inst. fiziol. AN Kazakh SSR 10:162-166 '66.

Incompatibility of adrenalin and pituitary in solutions. V. Ia. Horodyskiy, K. I. Rubchynskiy. Farmats. zhur. 18 no. 3:55-56 '63.

Noradrenalin and adrenalin of stomach wall and gastric juice in dogs. E. K. Kazanova, N. A. Tsalan. Biol. zhur. Akad. 10 no. 12:58-64 D '66.

Some data on catechol amines and their oxidations in radiation sickness. B. B. Moisev, S. P. Grozdov, E. N. Petrovna. Radiobiologiya 2 no. 4:513-517 '62.

## ADRENALINE—PHYSIOLOGICAL EFFECT

Effect of adrenalin and noradrenalin on the electric properties of smooth muscles. M. I. Klevants' Fiziol. zhur. [Ukr.] 12 no. 6:763-768 N-D '66.

Effect of the sympathetic nervous system and adrenalin on the potentials of the dorsal surface of the spinal cord. M. A. Bagramova. Fiziol. zhur. 52 no. 11:1304-1310 N '66.

## ADRENOCORTICAL HORMONES

Effect of glucocorticoids and mineralocorticoids on the extent of experimental myocardial infarct. Report No. 2. I. Ia. Usvatova. Radiobiologiya 3 no. 1:16-20 Jan.-F '63.

Participation of hormones of adrenal medulla substance in response reaction of the central nervous system in experimental galvanization of the cerebral cortex. Report No. 1. A. A. Samokhina. Vopr. i. fiziolog. i lech. fiz. kul't. 31 no. 6:539-542 '66.

## ADSORPTION

Adsorption by solids from nonideal solutions. A. V. Kiselev, I. V. Shibaeva. Dokl. AN SSSR 171 no. 6:1361-1364 D '66.

Adsorption of anions on platinum at anodic potentials. V. E. Kazarinov. Elektrokhimiya 2 no. 12:1389-1394 D '66.

Adsorption of indium, cobalt, and zinc ions from acetone on the surface of graphite, germanium, silicon, and quartz. V. S. Solntkov, K. I. Kuznetsova. Radiokhimiya no. 6:601-602 '66.

Adsorption of organic substances at the mercury - thallium nitrate solution interface. M. M. Andrushev, N. Kh. Abueva, B. B. Damskii. Elektrokhimiya 2 no. 12:1480-1482 D '66.

Adsorption of some aliphatic alcohols on liquid gallium. N. B. Grigor'ev, I. A. Dagonatova. Elektrokhimiya 2 no. 12:1410-1452 D '66.

Appearance of luminescence during adsorption of vapors and gases on solids. I. U. N. Rufov, A. A. Kadushin, S. Z. Roginskii. Dokl. AN SSSR 171 no. 4:905-906 D '66.

Charging of the surface of some oxide catalysts in adsorption of propylene-oxygen mixtures. L. E. Derzhukova, A. V. Krylova. Kinetika 7 no. 6:1015-1051 N-D '66.

Electrochemical study of hydrogen adsorption by ruthenium in aqueous-organic media. G. P. Khomchenko, R. B. Taras. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6:33-37 N-D '66.

Electron paramagnetic resonance spectrum appearing in oxygen adsorption on rutile. V. A. Maslitskii. Kinetika 7 no. 6:1105 N-D '66.

Influence of vapors of conditioning agents on the porous structure and adsorptive properties of silica gel surfaces [with summary in English]. Z. Z. Vysoiskii, L. P. Dvalich, M. V. Polnikov. Koll. zhur. 23 no. 3:248-254 My-Je '61.

Magnetic resonance of protons of water and n-hydrocarbons adsorbed by silicate sorbents of different porous structure. B. I. Tul'bovich and others. Izv. v. s. ucheb. zav., i. khim. i. tekhn. 8 no. 5:735-737 '66.

Phase transition of the localization-delocalization type in the adsorption layer. R. P. Bertog, S. Z. Muminov, V. V. Sepinkii. Dokl. AN SSSR 172 no. 3:825-828 Ja '67.

Radiation-catalytic transformation of methanol in the adsorption layer on silica gel samples varying in specific surface area. V. I. Vladimirova and others. Dokl. AN SSSR 172 no. 3:820-832 Ja '67.

Regularities of chemisorption of carbon monoxide on promoted iron catalysts. Part 1. F. V. Korenevskaia, A. Ia. Rozovskii. Kinetika 7 no. 6:1100-1104 N-D '66.

## ADSORPTION (Continued)

Separation of ethane-ethane mixtures into ethane and ethylene by the continuous absorption method. Kh. A. Guseinov, E. E. Aliev, A. M. Fulek. *Sbor. trud. Vuz. IF* no. 3357-372 '68.

Sorption of cations on silica gels in acid region. I. F. Kirichenko, III P. Filimonov, Z. Z. Vlasov. *Ukr. khim. zhur.* 32 no. 11:77-1179 '66.

Studying the interaction of film formers with viscous S. N. Tolstaya, S. A. Shabatova, A. B. Tautman. *Lakot. r. i. m. i. kh. prim.* 13 no. 10 '66.

Testing an experimental countercurrent adsorber for the desorption of sugar solutions. I. O. Kiselev and others. *Sakh. prom.* 11 no. 12:2-26 Ja '67.

## ADSORPTION—THERMODYNAMICS

Statistical thermodynamics of adsorption equilibrium for zeolites. V. A. Babakov, Dokl. AN SSSR 167 no. 2:369-372 Mr '66.

ADULT EDUCATION see subdivision under Astrakhan

## ADVERTISING—BOOKS

The first all-Union study group on advertising and popularization of books. I. Kamina. *Knizh. tolg.* 17 no. 11:20-21 F '66.

Means of printed propaganda. I. O. Kiselev. *Knizh. tolg.* 17 no. 11:18-19 N '66.

## ADVERTISING—EXHIBITIONS

Advertising workers exchange their experience. A. Murkushovich. *Sov. tolg.* 40 no. 12:53-58 D '66.

## ADYGE

The custom of "avoidance" of the Adyge and its disappearance in the Soviet epoch. I. S. Smirnov. *Sov. etn.* no. 2:41-52 Mr-Apr '67.

## ADZHAR-IMERETIAN RANGE—PHYSICAL GEOGRAPHY

Geomorphological "paradox" in the environs of Mount Mogbil. Sh. A. Tshkorebashvili. *Soob. AN Gruz. SSR* 26 no. 6:685-671 Je '61.

## ADZHARISTAN—MINERALOGY

Lead, zinc, and copper in minerals of intrusive rocks of Adzharia. P. V. Ivanitskiy, K. D. Gvaramadze, T. D. Medvedishvili. *Soob. AN Gruz. SSR* 44 no. 2:365-372 N '66.

AERIAL BOMBING see Bombing, Aerial

## AERIAL PHOTOGRAMMETRY

Analytic orientation of photogrammetric planar control strips. R. P. Ovsinnikov. *Izv. vys. ucheb. zav. geod. i aerof.* no. 6:81-93 '62.

Determining speeds and directions of currents in rivers by aerial photographic surveying. B. Rodionov. *Grazhd. av.* 12 no. 10:30 O '55.

Reducing the linear accelerations of an aircraft with a gyrovertical control unit. V. I. Torochkov. *Izv. vys. ucheb. zav. geod. i aerof.* no. 6:125-131 '62.

Using an untruncated model whose aerial-photograph reciprocal orientation elements are not greater than P. A. L. Ivlev. *Izv. vys. ucheb. zav. geod. i aerof.* no. 6:95-104 '62.

## AERIAL PHOTOGRAMMETRY—EQUIPMENT AND SUPPLIES

Characteristic causes for spoilage of aerial photographic surveying material. F. Ivanov. *Grazhd. av.* 12 no. 10:29-30 O '55.

AERIAL PHOTOGRAPHY see Photography, Aerial

## AERIAL PHOTOGRAPHY IN AGRICULTURE

Development of aerial methods in soil mapping in the U.S.S.R. V. L. Andronikov. *Pochвоведение* no. 1:9-19 Ja '67.

Significance of aerial photographic surveying in agriculture. O. V. Kalushina, N. I. Sokolova, Dokl. TSKHA no. 44:139-143 '59.

Use of aerial photographic materials and stereoscopic equipment in designing drainage systems. A. M. Mityayev, G. A. Shupletsov. *Gidrot. i mel.* 19 no. 1:81-87 Ja '67.

AERIAL PHOTOGRAPHY IN GEOLOGY see subdivision under III Valley

## AERODYNAMICS

On the theory of "fugoidal" motions. I. M. Svirezhev. *Pril. mat. i mekh.* 30 no. 6:1107-1111 N-D '66.

## AERODYNAMICS, SUPERSONIC

Device for studying the airflow around bodies in supersonic speeds of flight. B. Broude. *Grazhd. av.* 12 no. 10:27-28 O '55.

Direct problem involving a plane symmetrical flow past a smoothly profiled convex airfoil with a detached shock wave. E. G. Shifrin. *Dokl. AN SSSR* 172 no. 3:550-553 Ja '67.

Impact of a supersonic jet against a surface. A. I. A. Segomonian. *Vest. Mosk. un. Ser. I; Mat., mekh.* 21 no. 6:188-193 N-D '66.

Stability of a wedge-shaped plate in a supersonic flow. A. A. Izrael. *Vest. Mosk. un. Ser. I; Mat., mekh.* 21 no. 1:103-110 Ja-F '67.

Supersonic flow past bodies of revolution with annular grooves. M. G. Morozov, I. V. Baryshev. *Vest. Mosk. un. Ser. I; Mat., mekh.* 21 no. 6:108-113 N-D '66.

Three-dimensional flow past blunt-nosed cones. A. I. Shvets. *Vest. Mosk. un. Ser. I; Mat., mekh.* 21 no. 6:85-89 N-D '66.

AERONAUTICS see subdivision under Mongolia

## AERONAUTICS—ABSTRACTS

[Air transportation] *Ref. zhur. Vozd. transp.* no. 2 F '67.

## AERONAUTICS—FLIGHTS

Moscow-Mirny-Moscow. *Grazhd. av.* 19 no. 2:1 F '62.

## AERONAUTICS—LAW AND LEGISLATION

New air code of the U.S.S.R. *Grazhd. av.* 19 no. 2:15 F '62.

## AERONAUTICS—PSYCHOLOGY

Man in flight. V. Popov. *Aviakosm.* no. 1:64 Ja '67.

Overloading and stability of the organism. P. Suvorov. *Aviakosm.* no. 1:76-78 Ja '67.

AERONAUTICS—STUDY AND TEACHING see subdivision under Riga

## AERONAUTICS, COMMERCIAL

Airways of the 20th century. B. Kuminov, S. Kosobicev. *Grazhd. av.* 19 no. 2:2-1 F '62.

Brief news. *Grazhd. av.* 19 no. 2:9 F '62.

Diary of civil aviation. *Grazhd. av.* 19 no. 10:34 O '55.

News of foreign aviation. *Grazhd. av.* 12 no. 10:39 O '55.

Workers of the aircraft industry discuss their tasks. *Part. zhizn'* no. 2:83-84 Ja '67.

## AERONAUTICS, COMMERCIAL—FINANCE

Planning and calculating profits in airlines of Union significance. M. Suleimanov. *Grazhd. av.* 12 no. 10:31 O '55.

## AERONAUTICS, COMMERCIAL—HANDBOOKS, MANUALS, ETC.

[Handbook of the pilot and navigator of civil aviation] *Spravochnik pilota i shтурмана grazhdanskoi aviatsii.* Moskva, Transport, 1967. 307 p.

## AERONAUTICS, COMMERCIAL—PASSENGER TRAFFIC

Against indifference to the needs of passengers. V. Peizerzev, V. Mosolov. *Grazhd. av.* 12 no. 10:1-3 O '55.

At the platform turntable. V. Shipov. *Grazhd. av.* 19 no. 2:10-12 F '62.

## AERONAUTICS, COMMERCIAL—STUDY AND TEACHING

(see also subdivision under Chaidzhou, Chernovtsy) Organize training of allied professions. V. Usat'maev. *Grazhd. av.* 12 no. 10:37 O '55.

## AERONAUTICS, COMMERCIAL—TECHNOLOGICAL INNOVATIONS

How to speed up technological modernization. N. T. Mashovets. *Grazhd. av.* 19 no. 2:12 F '62.

## AERONAUTICS IN AGRICULTURE

(see also subdivision under Tajikistan)

Give us a new charger. M. Kuznetsov, A. Loppik. *Grazhd. av.* 19 no. 2:7 F '62.

## AERONAUTICS IN METEOROLOGY

(see also subdivision under Gazli region, Uzbekistan; Soviet Central Asia; Tien Shan)

Determining vertical pulsations of wind velocity based on accelerographic recordings of gravity center transfers of Ka-18 helicopter. M. A. Geiman. *Trudy GGO* no. 189:64-79 '66.

Structure of thermals according to observations by glider pilots. K. I. Shashkov. *Trudy GGO* no. 186:41-63 '66.

Study of atmospheric turbulence using gliders. P. A. Vorontsov, M. A. Geiman. *Trudy GGO* no. 189:24-37 '66.

Studying atmospheric layer on water surface using aerosol and helicopter. I. S. Dovgalluk. *Trudy GGO* no. 189:87-93 '66.

Studying thermals using gliders. P. A. Vorontsov. *Trudy GGO* no. 189:38-53 '66.

Thermosounding device for studying lower 500-meter layer of atmosphere. I. A. Pomelchev, I. A. Kurpikov, V. P. Psalomschikov. *Trudy GGO* no. 189:94-100 '66.

## AEROSOL THERAPY

Effect of negatively charged aerosols on bronchial permeability in heart defects according to pneumotachometric data. V. M. Leonova. *Vop. kur. i fizioter. lech. fiz. kul't.* 31 no. 6:542-545 '66.

## AEROSOLS

Precipitation of industrial aerosols by sound waves and prospects for its use. Kh. A. Getgorn. *Sbor. trud. Az. NII NF* no. 3:379-398 '58.

Use of aerosols. V. Zavedniuk. *Zashch. rast.* 12 no. 1:34 '67.

## AEROSOLS—MEASUREMENT

Measuring the microstructure of artificial fog. With the help of a current flow trap. B. P. Koshcheyev, I. V. Shcheglov, S. S. Khmiltsov. *Izv. vys. ucheb. zav. geod. i aerof.* no. 6:12-129 '66.

## AESTHETICS

Cultivated by beauty. *Vop. lit.* 5 no. 9:4-13 S '61.

Eksizhin, P. P. [Significance of A. V. Lunacharskiy in the development of Marxist-Leninist aesthetics during the Soviet period, 1917-1933. Author's abstract of a dissertation for the degree of Candidate of Philosophy at Leningrad State University. *Avtorizatsionnyy doklad na soiskaniye uchastiya v konkursakh na kandidata filosoficheskikh nauk.* Moskva, Mysl', 1965. 15 p. [MICROFILM].

The eyes and laws of beauty. I. Kotova. *Izv. vys. ucheb. zav. geod. i aerof.* no. 12:8-11 '66.

Kucherenko, G. A. [Aesthetic diversity of the art of socialist realism, form, style, and method] *Isteticheskie mnogobraznye iskustva socialisticheskogo realizma, manera, stil', metod.* Moskva, Sovetskii khudozhnik, [1966] 228 p.

Literary criticism and the appreciation of art. A. A. Kiselev. *Izv. vys. ucheb. zav. geod. i aerof.* no. 1:100-106 '66.

Nature of the aesthetic. S. N. Timanina. *Nauch. zap. vuz. shkoly.* *filos. nauk* 1 no. 1:15-18 F '61.

A need for the beautiful. P. Akhmedov. *Sten. i zh. zh. av.* 21 no. 7:17-18 Ji '66.

On the problem of the aesthetic value. I. Arkharov. *Tr. AN Kh. SSR* no. 2:68-74 S-O '66.

Study the wealth of a multinational culture. G. A. Kiselev. *Vop. lit.* 5 no. 9:8-10 S '61.

Teaching what is beautiful. V. Katerashev. *Mol. komm.* no. 1:1-12 '62 '66.

## AESTHETICS—STUDY AND TEACHING

The beautiful for everyone, remarks on aesthetic education. P. Tronko. *Komm. Ukr.* 10 no. 6:11-16 S '60.

Classes in aesthetic and nonaesthetic education in the evening technical school. Z. S. Rubynovitch. *Sov. i spets. obr.* 13 no. 7:28-31 Ji '66.

A concerted aesthetic and physical development is an indispensable factor in the formation of personality. V. V. Kabanov. A. P. Tikhonov. *Ucheb. zap. vuz. shkoly.* no. 35:90-105 '66.

## AFFORESTATION

(see also subdivision under Dnepropetrovsk Province, Dniester Valley)

Felling of trees on the Donetsk railroad. K. V. Kovalenko. *Put' i put. khoz.* 10 no. 10:30-31 '66.

A man of creative search. I. N. Vol'ovych. *Put' i put. khoz.* 10 no. 9:11-9 '66.

Working over out-of-date teachings. V. A. Chukhlov. *Put' i put. khoz.* 10 no. 10:12-15 '66.

## AFGHANISTAN—ECONOMIC CONDITIONS

Afghanistan today. VI. Nakarinov. *Nov. vrem.* 25 no. 10:15-16 Mr '67.

## AFGHANISTAN—HISTORY

[Studies in the modern history of Afghanistan] *Ocherki k novoi istorii Afganistana.* Tashkent, Fan, 1966. 129 p.

## AFGHANISTAN—TECHNICAL ASSISTANCE, RUSSIAN

Afghanistan today. VI. Nakarinov. *Nov. vrem.* 25 no. 10:15-16 Mr '67.

## AFRICA—ETHNOCENTRISM

Tropical Africa: on the nature of interethnic conflicts. VI. Jordanaki. *Mir. ekon. i mezhdunar. otn.* no. 2:41-50 '67.

## AFRICA—HISTORY

Dawn from the North. I. Aleksandrov. *Az. i Af. otn.* 10 no. 1:26-27 Ja '67.

## AFRICA—INVESTMENTS, AMERICAN

"New front" of the policy of Washington in Africa. V. Shtravitskiy. *Mezhdunar. zhizn'* 14 no. 2:110-116 '67.

## AFRICA—LITERATURES

[Literature of the countries of Africa] *I. I. Miran Afr.* no. 2 '66.

## AFRICA—NATIONALITIES

Tropical Africa: on the nature of interethnic conflicts. VI. Jordanaki. *Mir. ekon. i mezhdunar. otn.* no. 1:43-55 '67.

## AFRICA—NEUTRALITY

Melikian, O. N. [Neutrality of African states] *Neutralizatsiya gosudarstv Afriki.* Moskva, Nauka, 1966. 143 p.

## AFRICA—RAILROADS—DESIGN AND CONSTRUCTION

Building new railroads in Africa and Australia. *Tranzp. stroit.* 18 no. 4:180-87 Ap '66.

## AFRICA—TRIBES AND TRIBAL SYSTEM

Tropical Africa: on the nature of interethnic conflicts. VI. Jordanaki. *Mir. ekon. i mezhdunar. otn.* no. 1:47-56 '67.

## AFRICA, SUB-SAHARAN—MIDDLE CLASSES

National bourgeoisie of Tropical Africa. H. Savell'ev  
12 Afr seg 10 no 118-19 Ja '67

## AFRICAN ART see Art, African

## AFRICAN POETRY—HISTORY AND CRITICISM

Images of Africa. G. Potekhina. V mire lit 6 no 6  
34 Ju '66

## AFTERIMAGES

Some characteristics of the course of trace reactions in the sphere of the visual analysis in local lesions of the occipital lobe of the large hemispheres in man. V. L. Pantelova. Zhur'ysy nevrologii 12 no 6 1031-1011 N-D '62

## AGABABOV, SERGEI ARTEMOVICH, 1926-1959

Iakubov, M.A. [Sergei Agababov, 1926-1959; a sketch of his life and work]. Sergei Agababov, 1926-1959, ocherk zhizni i tvorchestva. Moskva, Muzyka, 1966 157 p.

## AGARICALES see subdivision under White Russia

## AGED

Immediate results of surgical treatment in elderly and senile patients. V. T. Shikroboi. Sov med 29 no 11 103-106 N '66.

## AGED—SURGERY

Some problems of surgical tactics in the treatment of acute cholecystitis in elderly and senile patients. L. Statin, N. A. Isvetkova. Khirurgia 12 no 12 34-38 D '66.

## AGGLOMERATION

Agglomeration of particles in butadiene-styrene latexes. T. S. Kazakov and others. Kauci i rez. 2b no 1,9-13 '67.

## AGGLUTINATION

Degree of hereditary fixation in transformed bacteria of agglutinable characteristics acquired by the assimilation of heterogeneous DNA. V. I. Romantsova. Mikrobiol zhur 21 no 5 20-25 '62

## AGGREGATES see Set theory

## AGGREGATES (BUILDING MATERIALS)

(see also subdivision under White Russia)

Borhenov, P.I., and V.I. Kavalerova, [Nepheline sludges]. Nefelinovyye shlamy. Leningrad, Stroiizdat, 1966. 242 p.

Fly ash from thermal electric plants as an addition to cement and concrete. V. V. Stolnikov, V. V. Kind. Stroimaterialy 11 no 11-32 N '61.

## AGGREGATES (BUILDING MATERIALS)—STANDARDS

New standards for building materials. Stroimaterialy 7 no 12,37 D '61.

## AGING

Development of evoked potentials in the sensory-motor and associative zones of the cortex in kittens. O. G. Baklavachidze, I. A. Adamian. Fiziol zhur 49 no 3 269-276 Mi '63.

Metabolism of muscular tissue in old rats. F. I. Gialkho, N. A. Levkova. Fiziol zhur. 52 no 12 1455-1459 D '66.

Simpozium "Obraz zhizni i starenie cheloveka," Kiev, 1964. [Way of living and aging in man; materials]. Obraz zhizni i starenie cheloveka; materialy. Kiev, Zdorov'ia, 1966. 275 p.

## AGRANULOCYTOSIS

Corticosteroid therapy in the compound treatment of agranulocytosis. E. G. Alfirova. Shor. nauch. trud. SOGMI no 10 166-168 '61.

## AGRICULTURAL ADMINISTRATION see subdivision under Azerbaijan

## AGRICULTURAL CHEMICALS

Nikiforov, A.M. [Chemical substances for the control of pests, plant diseases and weeds]. Khimicheskoe sredstvo bor'by s vreditel'nykh, boleznykh rastenii i sornakami, kratkii spravochnik. Moskva, Kolos, 1966. 143 p. (DNAL)

The production and use of chemical fertilizers in the Federal Republic of Germany, France and the United States. V. G. Bozuev. Shkola i prosv. 10 no 12,74-77 D '66.

Toward new achievements and developments of the chemical industry and chemicalization of agriculture. M. V. Katalymov. Khim. v sel'khoz. 5 no 1-2 Ja '67.

## AGRICULTURAL CHEMICALS—SAFETY MEASURES

Safety manual in storing, transporting, and using poisonous chemicals. Pamiatka po tekhnike bezopasnosti pri khraneni, transportirovke i primeneni iadokhimikatov. Moskva, Rossel'khozizdat, 1965. 58 p. (Pamiatka po tekhnike bezopasnosti v sel'skom khoziaistve) (DNAL)

## AGRICULTURAL CHEMICALS—TOXICOLOGY

Kryckovskii, E.A. [Manual on poisonous chemicals, concise characteristics of poisonous chemicals, prophylaxis of the poisoning by them, and medical aid]. Spravochnik po iadokhimikatu, ikatkaia kharakteristika iadokhimikatov, rekomendatsii po profilaktike otravlenii imi i mery meditsinskoi pomoshchi. Kiev, Zdorov'ia, 1966. 116 p. (V pomoshchi' rabotnikam sel'skogo zdiavokhraeniia) (DNAL)

## AGRICULTURAL CHEMISTRY

State and tasks of theoretical and methodical work in the field of agricultural chemistry. A. V. Sokolov. Agrokimiia no. 1 3-23 Ja '67

## AGRICULTURAL CHEMISTRY—STUDY AND TEACHING

Organization of practical work in agricultural chemistry. L. S. Sidel'nikov. Shkola i prosv. 10 no 12,37-39 D '66.

## AGRICULTURAL CONTRACTS see Contracts, Agricultural

## AGRICULTURAL CREDIT

Leshchenko, G.T. [Financing and issuing credit to agricultural enterprises]. Finansovaniia i kreditovaniia sel'skikhoskhozarskikh podpriemstv. Kyiv, Urozhai, 1966. 285 p.

## AGRICULTURAL ENGINEERING see subdivision under Kyrgyz

## AGRICULTURAL EXHIBITIONS see subdivision under Moscow

## AGRICULTURAL EXPERIMENT STATIONS

Cooperation between scientists and young experimenters. R. A. Feas. Shkola i prosv. 10 no 10 65-68 O '66

## AGRICULTURAL GEOGRAPHY—CONGRESSES see subdivision under Soviet Central Asia

## AGRICULTURAL LAWS AND LEGISLATION

New rules governing the state procurement of agricultural products. A. Kablikov. Sots zakon 38 no 7 31-31 Ji '61

## AGRICULTURAL MACHINERY

(see also subdivision under Saratov Province)

Agricultural enterprises should be provided with good machinery. P. I. Pankovskii. Trakt. i sel'khoz mash. 30 no 3,41-45 Mi '60

Combined units from mounted machines. A. Kosov. Tekh. v sel'khoz. 26 no 12-82-83 D '66.

A ditcher-dyker with a cutter-thruster. N. Israfilov. Tekh. v sel'khoz. 21 no 12 30-32 D '61

Improve the technology of agricultural operations. G. Rybnikov. Tekh. v sel'khoz. 27 no 1,10-13 '67

Justification of the speed of the working parts of machinery. T. I. Tgorova. Vest. sel'khoz. nauki 11 no 11,66-90 '66.

Let us honor the 50th anniversary of the Great October with new achievements. Tekh. v sel'khoz. 26 no 12, 1-3 D '66.

Mechanization of operations in growing oilseed poppy. V. Ukrainets. Tekh. v sel'khoz. 27 no 1,14-16 '67.

Mechanization of pea cultivation. V. Kavun, V. Chenuk. Tekh. v sel'khoz. 21 no 12 4-6 D '61

Points from Soviet and foreign trade journals. V. K. Kidal. Trakt. i sel'khoz mash. 30 no 3,46-47 Mi '60.

Speed up the carrying-out of the decisions of the December Plenum of the CPSU. Trakt. i sel'khoz mash. 30 no 3 1-3 Mi '60.

Standardization of the supporting wheels for agricultural machinery. T. G. Nonteva and others. Trakt. i sel'khoz mash. no. 1,29-30 Ja '67

Universal PRVN-1,5 vineyard machine. Sh. Perkis. Tekh. v sel'khoz. 21 no 12 33-36 D '61

## AGRICULTURAL MACHINERY—BIBLIOGRAPHY see Bibliography—Agricultural machinery

## AGRICULTURAL MACHINERY—CLEANING

Care for the surface of machines. M. Sergeev, A. Shul'cev. Tekh. v sel'khoz. 26 no 12,53-57 D '66.

New cleaning solutions. N. Maslov, V. Shakhiaev. Tekh. v sel'khoz. 26 no 12,58-59 D '66.

## AGRICULTURAL MACHINERY—CONGRESSES

Factory conference on increasing the wear resistance of harvesting and grinding apparatus of agricultural machinery. A. A. Gal'perin. Trakt. i sel'khoz mash. no. 1 47 Ja '67.

## AGRICULTURAL MACHINERY—EXHIBITIONS

For the procurement of agricultural products. A. Chelyshev, V. Davydova. Zakup. sel'khoz. prod. no. 8 60-61 Ag '66.

Recent developments in the mechanization and electrification of agriculture based on the materials of the World Exhibition of 1968 in Brussels. P. N. Listov. Dokl. TSKHA no. 44,17-45 '59

Tractors and agricultural machinery at the Exhibition of the Achievements of the National Economy of the U.S.S.R. in 1959. N. I. Sviderskii. Trakt. i sel'khoz mash. 30 no 3,48-3 of cover Mi '60.

## AGRICULTURAL MACHINERY—HYDRAULIC EQUIPMENT

Johnson, V., and N. Ivanovs. [Maintenance and check of hydraulic systems]. Ilidz autisko sistemu tehnika apkalpe un parbaude. Riga, Liesma, 1966 115 p. [In Latvian]

## AGRICULTURAL MACHINERY—MAINTENANCE AND REPAIR

Abramov, G. A., and A. I. Kostlov. [Maintenance system for tractors, motor vehicles and agricultural machinery]. Sistema tekhnicheskogo obsluzhivaniia traktorov, avtomobilei i sel'skokhoziaistvennykh mashin. Voronezh, TSentral'no-Chic. nozemnoe knizhnoe izd-vo, 1965 22 p. [Peiredolot opyt v sel'skom khoziaistve] [MICROFILM]

Characteristics of the investigation of cases concerning the negligent use and upkeep of agricultural machinery. I. Ivanov. Sots. zakon no 2 52-54 F '67.

Determining requirements of repairing units. A. Zorn. Tekh. v sel'khoz. 26 no 12 56-67 D '66

Economic effectiveness of using polymers in repair work. V. Romanov. Tekh. v sel'khoz. 27 no 1,60-61 '67.

Efficient grabbing machine. A. El'min, A. Kirov. Tekh. v sel'khoz. 26 no 12 70-71 D '66

For the proper maintenance of agricultural machinery. M. Mafsumov, I. Antipov. Sots. zakon. no. 2 50-52 F '67

Increase the rate and quality in repairing agricultural machinery. Tekh. v sel'khoz. 21 no 12 1-3 D '61

Lathe with built-in reducing gear for welding. K. Dondokov, I. U. Taisov, G. Tolboev. Tekh. v sel'khoz. 26 no 12 69-70 D '66

Manufacture of broadened bushings. N. Gataev. Tekh. v sel'khoz. 21 no 12,77 D '61

On the agenda technical servicing of machinery. A. Volkov, S. Naumov. Ekon. sel'khoz. 12 no 1,119-121 '67

Removal of broken pins. Z. Poz. Tekh. v sel'khoz. 26 no 12 44 D '66.

Repairing the casing of a pusher. S. Fesenko. Tekh. v sel'khoz. 26 no 12,72-73 D '66.

Scientific organization of labor in repair service. I. Pustovalov. Tekh. v sel'khoz. 27 no 1,58-60 '67.

The service line of the PD-10M engine regulator has been prolonged. N. Sa'asav. M. Tkachev. Tekh. v sel'khoz. 21 no 12 76 D '61

Specialization as the main factor in technical maintenance of machines. M. Putintseva, A. Podgurskii, V. Zazin. Tekh. v sel'khoz. 26 no 12 15-50 D '66.

Work on a vibration build-up welding apparatus. I. A. Dorosh. Tekh. v sel'khoz. 27 no 1,70-71 '67.

## AGRICULTURAL MACHINERY—PARTS

Practices of the Kirov Plant in the classification of parts. I. U. Gelfman. Trakt. i sel'khoz mash. no. 1,15-17 Ja '67

Systems of the surface grinding of agricultural machine parts hard faced with the KhtSU wear resistant alloy. A. S. Mel'nikov. Trakt. i sel'khoz mash. no. 1,39-12 Ja '67

## AGRICULTURAL MACHINERY—RELIABILITY

Calculating the durability and reliability of machinery. N. Mikhailovskii. Ekon. sel'khoz. 42 no 1,51-55 '67.

## AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS see subdivision under Lugansk Province

AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS see subdivision under Lugansk Province

## AGRICULTURAL MACHINERY INDUSTRY

(see also subdivision under Dnepropetrovsk)

Make more extensive use of progressive materials in the agricultural machinery industry. A. I. Buianov, I. P. Rabinovich. Trakt. i sel'khoz mash. no. 1,3-5 Ja '67

Tractor and agricultural machinery industry in 1967. A. E. Izotov. Trakt. i sel'khoz mash. no. 1,1-2 Ja '67

## AGRICULTURAL MACHINERY INDUSTRY—CONGRESSES

All-Union scientific and technical conference on "Practices of the machinery manufacturing enterprises in the modernization of equipment." M. A. Chashchila. Trakt. i sel'khoz mash. 30 no 3 17-18 Mi '60.

## AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT see subdivision under Rostov-on-Don

## AGRICULTURAL PESTS

Moths and pyralids as pests of farm supplies. A. Zagulaev. Zashch. rast. 13 no 1,35-36 '67.

## AGRICULTURAL POLICY

(see also subdivision under Great Britain; Tonish Government)

Correlation between industrial and agricultural development in the U.S.S.R. and improving the forms of collective farm property. V. K. Ichenko. Nauch. dokl. vys. shkoly, ekon. nauki 4 no 1,27-36 '61.

## AGRICULTURAL PRICES

Several problems of the operation of the law of value in collective farm production. E. Sagaidak. Nauch. dokl. vys. shkoly, ekon. nauki 4 no 1,37-12 '61.



- AIRLINES**  
Flying range 6500 km. D. Mokek. Gravid. av. 10 no. 221 F '62
- AIRPLANE INDUSTRY**  
Capitalist aircraft market. I. Lashnikov. Vnesh. toig. 46 no. 11-13-46 '66
- AIRPLANES—AERODYNAMICS**  
Slip and rate of climb of the 11-2 and 11-12 airplanes in flight with one idle engine. M. Rozenblat. Gravid. av. 12 no. 1018-20 O '55.
- AIRPLANES—FLIGHT TESTING**  
New regulations on flight testing. N. Smirnov. Gravid. av. 19 no. 2 21 F '62
- AIRPLANES—LANDING**  
Dynamics of pitching oscillations of an airplane. V. Pavlov. Av. i kosm. no. 137-42 Ja '61
- AIRPLANES—LUBRICATION**  
Effect of the conditions of acid purification on the suitability of catalyzed oil in the production of the MK-22 aviation oil. A. M. Kuliev and others. Sbor. trud. 12 NII NP no. 3181-191 '58.
- AIRPLANES—MAINTENANCE AND REPAIR**  
(see also subdivision under Irkutsk)  
A feeling for the new. S. Gurin. Gravid. av. 12 no. 1018-20 O '55.  
A united family. I. Vladimirov. Gravid. av. 12 no. 1018-20 O '55.
- AIRPLANES, MILITARY—ARMAMENT**  
In a long-range supersonic plane. Part 5. Armament. I. Ikonov. Av. i kosm. no. 2 60-65 F '67.
- AIRPLANES, MILITARY—FLIGHT TESTING**  
In the fifth ocean (to be continued). P. Stefanovskii. Av. i kosm. no. 1 80-87 J1 '67  
In the fifth ocean (to be continued). P. Stefanovskii. Av. i kosm. no. 2 71-78 F '67.
- AIRPLANES, MILITARY—PILOTING**  
When an instruction is violated. S. Somov. Av. i kosm. no. 2-37-11 F '67
- AIRPLANES, MILITARY—SPEED**  
What speed should be sustained? A. Saigin, V. Seleznev. Av. i kosm. no. 2 27-32 F '67.
- AIRPORTS** see subdivision under Kharkov; London
- AIRPORTS—DESIGN AND CONSTRUCTION** see subdivision under Kiev region, Leningrad
- AIRPORTS—MAINTENANCE AND REPAIR**  
Modern equipment for the maintenance of airports. I. Krutshch. Av. i kosm. no. 1 48-50 Ja '67.  
The point is not only in a ditch. S. Kramarenko. Av. i kosm. no. 1 33-35 Ja '67.
- AIRPORTS—PLANNING**  
Planners should heed industrial requirements. G. A. Pirogov. Gravid. av. 19 no. 2 14-15 F '62.
- AIRPORTS—RUNWAYS** see subdivision under Antarctic regions
- AKHALTSIKHE REGION (GEORGIA)—GEOLOGY, STRATIGRAPHIC**  
Age of Kaitubani sandstones of the Akhalsikhe Basin in Georgia. Zh. R. Kazakhshvili. Soob. AN Gru. SSR 27 no. 2 166-168 Ag '61
- AKHANGARAN REGION (UZBEKISTAN)—ATMOSPHERIC TEMPERATURE**  
Temperature conditions during the warm growing season in the Akhangaran Valley. Sh. Zakirov. Izv. Uzb. fil. Geog. ob-va 9:43-50 '66.
- AKHMATOVA, ANNA ANDRZEJNA, 1886-1900**  
Pavlovskii, A. I. [Anna Akhmatova; an essay on her work] Anna Akhmatova, ocherk tvorchestva [Leningrad] Lenizdat, 1966. 189 p.
- AKHUNDOV, MIRZA FATALI** see Ahund-zâde, Feth alii, 1812-1878
- AKMOLINSK** see Tselinograd
- AKMOLINSK PROVINCE** see Tselinograd Province
- AKTASHI REGION (TASHKENT PROVINCE)—DICKITE**  
Dickite from Aktashi deposit. K. Z. Zubitina. Neuch. trudy TashOU no. 234. Geol. nauki no. 20:68-82 '64.
- AKTYUBINSK—IRON INDUSTRY—MANAGEMENT**  
Achievements, difficulties, failures. M. Neimer. Nar. khoz. Kazakh. 24 no. 11-7-14 N '66.
- AKTYUDINSK PROVINCE—PLANT COMMUNITIES**  
Idol system of the plants of natural phytocenosis in penoplia Solonetz soils. T. A. Anarkulov, I. O. Baitulin, N. M. Mukhitdinov. Vest. sel'khoz. nauki [Kazakh] 10 no. 117-25 Ja '67.
- AKUDIN, VENIAMIN**  
An artist of marionettes. M. Minits. Iskusstvo 29 no. 12 27-29 '66
- ALANI**  
Sichyn'skii, Volodymyr. [The Royalani, their name, sources, history, territory, study, archaeological finds, culture, and hieroglyphic writing] Roksolana, dzhereka, nazva, istoria, teritoria, narys, arheologichni znakhidky, kul'tura, znakove pis'mo. London, Ukrainian Pub. 1957. 66 p.  
(OCI)
- ALASKITE** see subdivision under Tien Shan
- ALATAU, DZUNGARIAN** see Dzungarian Alatau
- ALATAU, KUZNETSK** see Kuznetsk Alatau
- ALATAU, TALAS** see Talas Alatau
- ALATAU, ZALITSKIY** see Trans-Ili Alatau
- ALAVEKDI (ARMENIA)—INDUSTRIAL MANAGEMENT**  
And the flame was ignited. Priam. Arm. 9 no. 11-62-61 '66
- ALAY RANGE—DATOLITE**  
Datolite veins in ultrabasites of the Alay Range. G. G. Kravchenko. Trudy Min. muz. no. 12 223-225 '61.
- ALAZAN VALLEY—BOTANY**  
Studying the vegetation of saline soils in the Alazan Valley. V. G. Aisenishvili. Soob. AN Gru. SSR 28 no. 5 703-709 Je '61
- AL'BOV, NIKOLAI MIKHAILOVICH, 1866-1897**  
A bright life. N. M. Al'bov, an eminent explorer of Caucasus and Tierra del Fuego. N. A. Gvozdetkii. Priroda no. 1 86-100 Ja '67
- ALBUMIN**  
Formation mechanism of jellies in the denaturation of egg albumin. A. S. Zholoboleynova, V. A. Izmailova. Dokl. AN SSSR 172 no. 1:130-132 Ja '67.
- ALCOHOL**  
Effect of lower alcohols on formation of crystal hydrates in liquids and gases. A. A. Krasnov. Gaz. dol. no. 12: 6-11 '66.
- ALCOHOLISM**  
(see also subdivision under Bashkiria)  
Antitoxic function of the liver in alcoholic delirium. N. S. Shafranov. Trudy Gos. nauch.-issl. inst. psikh. 26 330-334 '61.  
Classification of the forms of alcoholism based on the present-day clinical practice. A. Yu. Vyiasnovskii. Trudy Gos. nauch.-issl. inst. psikh. 26 317-324 '61.  
Veira, R., and G. Veira. [We are going your way] Muna nav pr. colam, Riga, Liema, 1966. 85 p. [in Latvian]  
The way to eliminate some surviving traces of the past. R. A. Beteva, V. I. Papov. Uch. zap. Sver. gos. pad. inst. no. 35:118-128 '66.
- ALCOHOLISM—PREVENTION** see subdivision under Tyumen' Province
- ALCOHOLISM—TREATMENT**  
(see also subdivision under Tomsk)  
Alcoholism and the organization of the treatment of alcoholic diseases, based on data of psychoneurological institutions of the R. S. F. S. R. V. M. Banskichikov, I. S. Iolovich. Trudy Gos. nauch.-issl. inst. psikh. 26:308-316 '61.  
Complications in anabuse treatment of chronic alcoholism. V. I. Kolesman, L. V. Kradinova. Trudy Gos. nauch.-issl. inst. psikh. 26:359-362 '61.  
Results of compound treatment of chronic alcoholism. A. G. Makeeva. Trudy Gos. nauch.-issl. inst. psikh. 26:351-358 '61.  
Results of outpatient treatment of alcoholics. N. A. Liabakina. Trudy Gos. nauch.-issl. inst. psikh. 26:347-350 '61.  
Some problems of the pathogenetic treatment of alcoholism. L. M. Litvak. Trudy Gos. nauch.-issl. inst. psikh. 26, 341-348 '61.  
Use of novocaine in the treatment of chronic alcoholism. G. P. Sheremet'ev. Trudy Gos. nauch.-issl. inst. psikh. 26:363-369 '61.
- ALCOHOLS**  
Adsorption of some aliphatic alcohols on liquid gallium. N. B. Grigor'ev, I. A. Bagotskaya. Elektrokhimika 2 no. 12:1419-1452 D '66.  
Binding of fluidized boric acid in final oxidate in oxidation of liquid paraffin hydrocarbons to alcohols. V. V. Veselov, V. M. Pedalas, E. E. Tershenchenko. Trudy NIISZHIIMS no. 2:45-50 '61.  
Boric acid preparation for its use in the process of oxidation of liquid paraffin hydrocarbons to alcohols. V. V. Veselov, V. M. Pedalas, I. I. Lubarskaya. Trudy NIISZHIIMS no. 2:30-33 '61.  
Catalytic amination of alcohols. Report No. 1. N. S. Kozlov, L. P. Kirichenko. Uch. zap. Perm. gos. inst. 32 27-32 '65.
- Catalytic amination of alcohols. Report No. 2. N. S. Kozlov and others. Uch. zap. Perm. gos. inst. 32 73-78 '65
- Catalytic reduction of nitro-*n*-, *o*-, *p*-, *xylo*-, hydro-*o*-benzene, phenylhydrazine by alcohols. N. K. Kozlov, M. N. Tsvetkov. Uch. zap. Perm. gos. inst. 32 87-91 '65.
- Changes in the activity of alkaline (3 1 3 1) and acid (3 1 3 2) phosphatases in mucous membranes of stomach and small intestine as affected by amino alcohols. A. A. Mutsakhanov. L. O. Baulatova. Biol. zhur. Arin 10 no. 12:46-52 D '66
- Cleaning paste-like preparations containing nonsulfated compounds, by-products of manufacture of alkyl sulfates of secondary synthetic alcohols. I. K. Getman'skii, I. K. Vagina. Trudy NIISZHIIMS no. 2 98-100 '61
- Comparison of different methods of separation of alcohols from saponified crude alcohols in a pilot plant operation. N. K. Man'kovskaya and others. Trudy NIISZHIIMS no. 2 59-66 '61
- Dehydration of 1-pentanol and cyclohexanol in the presence of zirconium phosphate. V. V. Shaif and others. Izv. AN SSSR, Ser. khim. no. 1 16-19 Ja '67
- Effect of certain factors on saponification of crude alcohols and soap separation from them. N. K. Man'kovskaya, V. V. Veselov, V. M. Pedalas. Trudy NIISZHIIMS no. 2 50-54 '61
- Extraction of complex acids with oxygen-containing solvents. Part 7. Extraction of polonium, bismuth, and lead with alcohols. A. S. Ushchenko, B. Z. Iofa. Radiofizika no. 6:621-626 '66.
- Liquid cleansers based on sulfates of secondary synthetic alcohols for washing of woolen, silk, and synthetic fabrics. I. K. Getman'skii, A. P. Panchenko. Trudy NIISZHIIMS no. 2 95-98 '61
- Nonsulfated compounds as auxiliary adsorbents in the flotation of iron oxides. F. N. Belash, O. V. Pugina, I. K. Getman'skii. Trudy NIISZHIIMS no. 2 100-108 '61.
- Organophosphorus nitroalcohols. O. O. Dalkyl-i-methyl-1-hydroxy-2-nitrophosphonates and their derivatives. T. A. Maslupova and others. Dokl. AN SSSR 171 no. 6:1341-1344 D '66.
- Oxidation of alcohols on platinum-silica gels of various types. N. M. Dmitriyenko, V. S. Boiarkin, O. M. Poltorak. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6:108-109 N D '66
- Oxidation of liquid paraffin hydrocarbons to alcohols in the presence of decreased amounts of boric acid. V. V. Veselov and others. Trudy NIISZHIIMS no. 2 38-46 '61
- Preparation of alkylated amines from nitroparaffins and alcohols. N. S. Kozlov, N. K. Matveeva. Uch. zap. Perm. gos. inst. 32:10-13 '65.
- Reaction of methyl and ethyl alcohols with tetrachloroethylene. G. I. Nikishin, M. I. Dusenov, O. V. Somov. Izv. AN SSSR, Ser. khim. no. 13 2189-2192 '66.
- Separation of saponified product obtained in the manufacture of higher aliphatic alcohols. N. K. Man'kovskaya, V. V. Veselov, V. M. Pedalas. Trudy NIISZHIIMS no. 2:54-58 '61
- Spectrophotometric determination of relative content of primary and secondary high-molecular alcohols in their mixture obtained by oxidation of synthine. B. P. Kolesnikov and others. Trudy NIISZHIIMS no. 2 89-92 '61.
- Synthesis of some substituted 1-phenylcarbinols. I. L. Kotliarevskii, N. I. Popova. Izv. AN SSSR, Ser. khim. no. 12:208-210 Ja '67.
- Synthesis of tertiary alkoxy- and alkylthioendyn alcohols. A. N. Volkov, A. V. Bogdanova, I. A. Vladimirova. Izv. AN SSSR, Ser. khim. no. 1:186-188 Ja '67.
- Thermal stability of borates of secondary high-molecular alcohols. V. V. Veselov, V. M. Pedalas, E. V. Alekseenko. Trudy NIISZHIIMS no. 2 37-38 '61
- Use of sodium alkyl sulfates, derivatives of synthetic alcohols for the manufacture of liquid cleaning preparations and cream-like shampoo. I. K. Getman'skii. Trudy NIISZHIIMS no. 2:92-95 '61.
- ALDAN PLATEAU—CARBONATITE**  
Types of carbonatite massifs in the Aldan Shield. A. A. Chikanov, V. M. Moralev, Blul. MOIP, Otd. geol. 36 no. 5:143 S-O '61.
- ALDAN PLATEAU—COAL GEOLOGY**  
Metamorphism of coals of the Southern Yakut Basin. A. L. Chelobaeva, Razved. i okh. nedr. 28 no. 3:6-9 Mr '60.
- ALDAN PLATEAU—COAL MINES AND MINING**  
Prospects for developing the Southern Yakut Basin. I. S. Brodskii. Razved. i okh. nedr. 26 no. 3:1-5 Mr '60.
- ALDAN PLATEAU—GEOLOGY, STRATIGRAPHIC**  
New data on the Archean stratigraphy of the southern margin of the Aldan Shield. A. G. Kats, Blul. MOIP, Otd. geol. 36 no. 5:137-138 S-O '61.
- ALDAN PLATEAU—GRANITIZATION**  
Granitization in the southeastern part of the Aldan Shield. V. A. Rudnik, Blul. MOIP, Otd. geol. 36 no. 5:137 S-O '61.



# ALDAN PLATEAU—PETROLOGY

Petrographic characteristics of the gabbro complex of the Aldan Plateau. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALDAN SHIELD—RARE EARTH METALS

Geological characteristics of the Aldan Shield. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALDAN-UCHUR RANGE REGION—SABLES

Materials on the geology of the Aldan-Uchur Range region. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALDEHYDES

Effect of aldehydes on the molecular weight distribution in the polymerization of ethylene. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Interaction of aldehydes with trialkylamines in the polymerization of ethylene. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Aldehydes and alcohols in the polymerization of ethylene. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALDOSTERONE METABOLISM

Isolated aldosterone metabolism. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Aleksandrovskiy Zavod District—Baths, Medicated. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Alekseev, Aleksei Georgievich, b 1895? *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Alekseev, Oleg. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Aleksii, Patriarch of Russia, 1877-*Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Alexander I, Emperor of Russia, 1777-1825. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALFALFA see subdivision under Tajikistan

ALFALFA—DISEASES AND PESTS

Dynamics of the numbers of the major pests of alfalfa and measures for their control. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALGAE (see also subdivision under Armenia)

Bioenergetics of the assimilating cells of Chlorococcoid algae. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Characteristics of assimilation activity and cell composition in Scenedesmus quadricauda of various ages. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Construction of self-absorption curves by using radio-calcium method. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGAE—CULTURES AND CULTURE MEDIA

Effect of nitrogen nutrition sources on growth of green alga *Asteromonas gracilis* Aitard. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Gel filtration method for studying external metabolites in marine unicellular alga cultures. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Keto and aldehyde acids in Chlorococcoid algae. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALGAE—MICROBIOLOGY

Endoparasites of protocoal algae. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALGAE, FOSSIL see subdivision under Olekma Valley

ALGAE AS FOOD

Separation of proteins from unicellular algae. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Use of 50 and 100 grams of dry unicellular alga biomass in human food rations. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Use of 150 grams of dry unicellular alga biomass in human food rations. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGEBRA

Example of undecidable theories. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGEBRA—PROBLEMS, EXERCISES, ETC.

Muravyn, K. S. [Independent tasks and test papers in algebra for the eight-year school, textbook for teachers.] *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGEBRA—STUDY AND TEACHING

Elements of physics in an algebra course in the 7th - 8th grades of correspondence schools. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGEBRAIC CURVES see Curves, Algebraic

# ALGERIA—PEASANTRY

Folk, N. M. [The peasantry in the Algerian Revolution, 1954-1962.] *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGERIA—POLITICS AND GOVERNMENT

Folk, N. M. [The peasantry in the Algerian Revolution, 1954-1962.] *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALGORISM see Algorithms

# ALGORITHMS

Algorithm for modeling the operation of a rotary line by an electronic computer. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Algorithm of gradient method in controlling catalytic reforming. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Algorithm of the arithmetical-geometrical mean. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Alphabet of recognition objects. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Classification of problems concerning the recognition of images. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Combination method of decision-making. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Conditions for the applicability of a class of computation algorithms. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Convergence of V. Boichard's algorithm. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Iteration algorithm for symmetrical matrices. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Iterative process for solving finite-dimensional contact problems. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Minimization of computation algorithms in certain matrix transformations. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Numerical solution of spatial nonlinear problem of airflow passing around barriers. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Obtaining enough  $P(x)$  characteristics in image recognition. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

One algorithm for setting up simple tests. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

One algorithm of the computation of conjugate systems by SSP VO (LCAO) method taking into account configuration interaction. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Optimum algorithms of decoding redundant codes. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Proof of the convergence of G. V. Shafarevskii's method for a problem involving transport limitations. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Representability of sampling in selecting an effective system of characteristics. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Zaslavenko, L. G. [Algorithm making it possible to find the eigenfunctions and eigenvalues of the energy operator for some variants of quantum field theory.] *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALI, SABAHATTIN, 1907-1948

Kiamillov, Kh. [Analolia through the eyes of Sabahattin Ali, remarks on the prose of the Turkish writer.] *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALISHIR, MIR, called al-Nawā'i, 1441-1501

Complex sentences in "Mukhammatul-lughah" by Alishir Navoi. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKHANIAN, SOS ISAAKOVICH, 1906-

Sos Isaakovich Alkhanian on his 60th birthday. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALIMENTARY CANAL—SURGERY

Treatment of patients with compensation of alkalosis by inclusion of the hepato-pancreo-biliary system. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALIMENTARY CANAL—ULCERS

Effect of ultrasonic waves on ulcer patients. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKALI HALIDE CRYSTALS

Calculation of the optical properties of alkali halide crystals. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Effect of alkali-earth impurities on the optical properties of alkali halide crystals. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Effect of backscattering on the absorption coefficient during the passage of light through the optical alkali halide crystals. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Effect of the piezoelectric method on the properties of the crystals of rock salt, sylvite, lithium fluoride and fluorite. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Experimental study of the optical diffraction of light in certain alkali halide phosphors. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Variational calculation of the optical polarizability in alkali halide crystals (point lattice approximation). *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALCALI LANDS see halide and alkali soils

ALKALI METAL CHLORIDES—THERMODYNAMICS

Thermodynamic study of the systems  $CaCl_2 - NaCl$  and  $CaCl_2 - KCl$ . *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKALI METAL NITRATES

Conditions of formation of solid solutions in binary systems containing alkali metal nitrates. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALKALI METAL PERCHLORATES—THERMODYNAMICS

Thermodynamic study of the systems  $LiClO_4 - NaClO_4$  and  $LiClO_4 - KClO_4$ . *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKALI METAL PHOSPHATES

Thermodynamic study of the system  $LiH_2PO_4 - NaH_2PO_4$ . *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALKALI METALS

Calculating the phonon spectrum of alkali metals. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Reduction of 6-methyl-1-hexanol by alkali metals in liquid ammonia. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Theory of mechanical properties of alkali and alkali-earth metals. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKALIES

Determination of density and refractive index of cesium ozonide. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Relationship between the pyrolysis of alkali metal compounds in ammonium nitrate. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

ALKALINE EARTH PHOSPHATES—SOLUBILITY

Determination of activity products of calcium, strontium and barium hydrophosphates. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKALOIDS

Chemical study of alcaloid (Celastrus baccatus) alkaloids. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Comparative evaluation of some methods for the isolation of alkaloids from biological material. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

Methodology of the mass selection of the seeds of alkaloid-free white lupine. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

# ALKANES see Paraffins

# ALKENES see Olefins

# ALKSNIS, IAKOV IVANOVICH

Soldier of the party. *Abstracts of the 1st All-Union Symposium on Petrology*. Moscow: Vsesoyuzn. Nauch. Tsentr. 1967. 100 p. 11-12 p. 11-12 p.

## ALKYL CHLORIDES

Mechanism of ethylene telomerization by carbon tetrachloride and chloroform. B. A. Englin, R. K. Fridolina, Izv. AN SSSR, Ser. khim. no. 12:2097-2101 '66

## ALKYLATION

Fluidized bed technology used in alkylation. S. A. Sultanov, Ili. G. Mamedaliev, A. B. Teitov, Shor. trud. Az. NII NP. no. 3:296-305 '56  
Thermodynamic of benzene alkylation by propylene. N. V. Smirnova, A. A. Bakhtsi-Zade, I. I. Pishman, Azerb. neft. khiz. 45 no. 1:37-39 '66

## ALL-UNION COMMUNIST PARTY (BOLSHEVIK) see Communist Party of the Soviet Union

## ALLA VALLEY—NICKEL ORES

Forming a canal with the aid of large-scale phreatic blasting in building the Alla River Mine. I. A. Avdeev, Vopr. geol. no. 61/81:161-175 '66

## ALLELOMORPHISM

Distribution and allolism of autosome lethals in two reproduction foci of *Drosophila melanogaster* population in Ukraine (Ukrainian S. S. R.). M. D. Golubovskii, Genetika. no. 11:89-99 '66

## ALLERGY

Antibacterial therapy in patients with allergic reactions. T. A. Gavrilovich, A. M. Marshak, Sov. med. 10 no. 1:27-31 '67

Characteristics of allergic reactivity of the skin in schizophrenia. Ili. A. Hinskii, Zhur. med. i psikh. 62 no. 11:1701-1706 '62  
Histochemical and biochemical study of ascorbic acid in experimental allergy. V. P. Nefedov, Arkh. pat. 28 no. 12:53-56 '66

Research on immunity in cutaneous leishmaniasis. Report No. 2. Local allergic reactions and the survival of leishmaniasis following administration of leishmaniasis vaccine to immune persons. O. I. Kellina, Med. prikl. i pat. az. bol. 35 no. 6:679-685 N-D '66

Rheumatoids. V. A. Val'dman, Trudy LPMI 17:27-38 '65

Study of early stages of experimental allergic polyneuritis. Pathomorphological and immunological characteristics. O. A. Kozelskii, V. F. Melnikova, Bul. ch. patol. i med. 63 no. 1:37-40 Ja '67

## ALLIUM—THERAPEUTIC USE

Results of treating chronic bacillary dysentery with Allium ursinum phytoncides, preliminary report. I. B. Otairov, E. K. Amisimova, A. A. Matysova, Shor. nauch. trud. SOGMI. no. 10:151-154 '61

## ALLOTROPY

Viscosity of an allotropic modification of water in quartz capillaries. R. V. Detslagin, N. N. Fedakova, M. V. Tamev, Dokl. AN SSSR 187 no. 2:376-378 Mr '66

## ALLOY PLATING

Characteristics of dissolving certain alloys in hydrochloric acid and effect of cation additions. I. E. Titova, T. A. Golunova, N. P. Podlesniak, Zashch. met. 3 no. 1:106-111 Ja-F '67

## ALLOYS

Ghazov, V. M., and V. S. Zemskov. [Physicochemical principles of the alloying of semiconductors] Fiziko-khimicheskie osnovy legirovaniia poluprovodnikov. Moskva, Nauka, 1967. 370 p

Nelmark, R. E., ed. [Physical properties of steels and alloys used in power engineering; a handbook] Fizicheskie svoystva staloi i sployov, primeniamykh v energetike, spravochnik. Moskva, Energiia, 1967. 238 p

New developments in the metallurgy of plating alloys. N. A. Fitin and others. Poligr. prozv. no. 1:22-23 Ja '63

## ALLOYS—CORROSION

Basic principles in developing corrosion resistant alloys. N. D. Tomashev, Zashch. met. 3 no. 1:3-19 Ja-F '67

## ALLOYS—METALLOGRAPHY

[Constitutional diagrams of metal systems, published in 1964] Diagrammy sostoiianiia metallicheskikh sistem, opublikovannyye v 1964 godu. [By] S. P. Allsava, P. B. Budberg, Moskva, Proizvodstvenno-Izdatel'skii kombinat VINITI, No. 10, Pod red. N. V. Ageeva, 1966. 230 p

Dilatometric anomalies in textured alloys during transformations. V. I. Zeldovich, V. D. Sadovskii, I. P. Saichin, Fiz. met. i metalloved. 22 no. 6:899-895 D '66

Effect of microheterogeneity on critical currents in superconducting alloys. V. I. A. Pakhomov and others. Fiz. met. i metalloved. 22 no. 4:640 O '66

## ALLOYS—TESTING

Magnetoacoustic method of studying alloys without destruction of solid specimens. L. I. Minspikov, R. A. Zvorykina, Defektoskopia 2 no. 5:46-49 '66

## ALLYL ALCOHOL

Alkylation of phenols by bifunctional compounds. Report No. 15: Alkylation of m- and p-cresols with allyl alcohol in a flow system and catalytic isomerization of allyl ethers of cresols. E. A. Viktorova and others. Izv. AN SSSR, Ser. khim. no. 12:2193-2197 '66

Alkylation of naphthalene,  $\alpha$ -methylnaphthalene, tetralin, acenaphthene, biphenyl, and fluorene by allyl alcohol in the presence of acid catalysts. D. A. Guseinov and others. Dokl. AN Azerb. SSR 22 no. 3:45-48 '66

Cyanomethylation of allyl alcohol over basic ion exchangers. S. D. Mikhlin, Z. T. Mamedov, O. A. Naimanbekov, Dokl. AN Azerb. SSR 22 no. 3:45-48 '66

Hydrogenation of allyl alcohol on platinum and palladium catalysts with polyacrylonitrile as a support. D. V. Sokol'skii and others. Kinetika 7 no. 6:1032-1038 N-D '66

Hydrogenation of cyclohexene and allyl alcohol on platinum-silica gels. N. M. Dmitriyenko, V. S. Boiron, O. M. Poltorak, Vest. Mosk. univ. Ser. 2 Khim. 1966 no. 6:106-107 N-D '66

## ALLYL HALIDES

Role of molecular complexes in hydrobromination of allyl chloride at temperatures close to 77°K. F. I. Iakovchenko, G. B. Suiyev, M. M. Rakhimov, Dokl. AN SSSR 171 no. 1:890-891 D '66

## ALMA-ATA—RETAIL TRADE—FINANCE

Specialization and its effect. T. Kostin, Nar. khoz. Kazakh 24 no. 12:60-62 D '66

## ALMA-ATA—SHOE INDUSTRY—MANAGEMENT

Shoe industry workers work according to the new system. V. Tarasov, Nar. khoz. Kazakh 24 no. 11:3-6 N '66

## ALMA-ATA PROVINCE—SOWS

Some blood and milk indices of blood sows of Ak-Say black and white group. A. Iu. Kozhukmetova, Trudy Inst. fiziol. AN Kazakh SSR 10:199-202 '66

## ALMALYK MOUNTAIN—SELENIUM

Geochemistry of selenium and tellurium in the Almalyk ore deposits. S. T. Badalov, S. Ruzmatov, Trudy IMGRI. no. 4:21-27 '66

## ALMALYK MOUNTAIN—TELLURIUM

Geochemistry of selenium and tellurium in the Almalyk ore deposits. S. T. Badalov, S. Ruzmatov, Trudy IMGRI. no. 4:24-27 '66

## ALMANACS, CHILDREN'S

[I want to know everything!] Khochu vse znat'! Leningrad, Deiskala 11-ia, 1966. 320 p.

## ALMAZOV, ALEKSANDR MARKOVICH, 1912-1966

In memory of Aleksandr Markovich Almazov, 1912-1966. N. E. Gal'nikov, E. P. Nekheblum, Gidrobiol. zhur. 2 no. 6:88-89 '66

## ALMUT'YEVSK REGION (TATAR A. S. S. R.)—OIL WELL DRILLING

Zaripov, I. Kh. [Birth of a record; story of deeds and people of the progressive crew of Anatoliy Zhuravskii, drilling foreman of Aznakaevsk drilling office] Rozhdenie rekordov, rasskaz o delakh i lyudakh priedovoi brigady burovogo mestora Aznakaevskoi kontory burenia Anatoliia Zhuravskogo, Kazan', Tatarskoe knizhnoe izd-vo, 1961. 31 p. (Biblioteka neftianika)

## ALMOND see subdivision under Shiraki Steppe

## ALPHA RAYS

Measuring the energies of fundamental  $\alpha$ -groups in  $^{225}\text{Ac}$ . B. S. Dzhalapov and others. Izv. AN SSSR, Ser. fiz. 31 no. 1:151-153 Ja '67

## ALPHA RAYS—DOSAGE

Dose rate of alpha radiation in the boundary regions of two heterogeneous media with a cylindrical interface. G. A. Volkov, Bul. nauch.-tekhn. inform. po agr. i fiz. no. 8/9:13-16 '60

## ALPHA RAYS—SPECTRA

Fine structure of  $\alpha$ -spectra in the region of rare-earth elements. V. G. Chumina and others. Izv. AN SSSR, Ser. fiz. 31 no. 1:146-150 Ja '67

## ALPINE FLORA see subdivision under Gissar Range

## AL'SMIK, PETR IVANOVICH, 1907-

Corresponding Member of the All-Union Academy of Agricultural Sciences. Academician of the Academy of Sciences of White Russia, Petr Ivanovich Al'smik. N. Dorozhkin, Vest. sel'khoz. nauki 11 no. 12:119 D '66  
Petr Ivanovich Al'smik on the occasion of his 60th birthday and the granting of the title of the Hero of Socialist Labor. M. A. Dorozhkin, Vest. AN BSSR, Ser. sel'khoz. nav. no. 4:134-135 '66

## ALTAI GOVERNMENT—REVOLUTION, 1917-1921

Role of peasant congresses in the establishment of Soviet rule in the rural areas of the Altai and Tomsk governments. G. A. Kordonskii, Trudy TGU 158:113-121 '65

## ALTAI MOUNTAIN REGION—PEASANTRY

How the Russian peasants exploited the lands of the royal family in the Altai Mountain region in the second half of the 18th century. A. N. Zhelezina, Trudy TGU 158:235-243 '65

## ALTAI MOUNTAIN REGION—REVOLUTION, 1917-1921

Counterrevolutionary role of the regional government of the Karakorum-Altaisk Area during the Great October Socialist Revolution and the civil war. S. I. A. Pakhaev, Trudy TGU 158:125-137 '65

## ALTAI MOUNTAINS—ANTIMONY

Native antimony in Rudnyy Altai and some new data on diagnostics and conditions governing formation of mineral. I. M. Iudin, Min. shor. 20 no. 2:221-234 '66

## ALTAI MOUNTAINS—CAVES

Karst arches and windows in the northwestern Altai. K. P. Chernysheva, E. L. Atumtseva, Peshchery no. 2:71-76 '61

## ALTAI MOUNTAINS—GEOLOGY, STRUCTURAL

Character of primary and superposed granite structures in the area of emergence of radioactive hot springs at "Belokhivskii" health resort. I. I. Zabolotnikova, Trudy TGU 161:105-117 '63

## ALTAI MOUNTAINS—KARST

Karst arches and windows in the northwestern Altai. K. P. Chernysheva, E. L. Atumtseva, Peshchery no. 2:71-76 '61

## ALTAI MOUNTAINS—LAKES

Lake basins of the glacial period in the southeastern Altai Mountains. E. V. Demidova, Bul. MOIP, Old. geol. 36 no. 1:159-160 Mj-Je '61

## ALTAI MOUNTAINS—METALS, RARE AND MINOR

Characteristic of the distribution of rare elements in complex metal deposits in the Zmeinogorsk area of the Rudnyy Altai. A. A. Garmash, Trudy IMGRI. no. 4:5-19 '66

Structural position of the Rudnyy Altai rare metal region. K. I. Volochikov, Trudy IMGRI. no. 1:203-208 '60

## ALTAI MOUNTAINS—ORE DEPOSITS

Moschketovite ores of Beloret'skiy deposit. V. N. Sergeev, Trudy TGU 161:16-53 '63

## ALTAI TERRITORY—AGRICULTURE

The party should support the initiative of the members of the Komsomol. A. Georgiev, Mol. komm. no. 6:13-21 Je '61

## ALTAI TERRITORY—CORN (MAIZE)

Collective and state farms of the Altai expand their corn fields. G. F. Rudenko, Zemledelie 8 no. 4:77-80 Ap '60

## ALTAI TERRITORY—EDUCATION, PRIMARY

Akademika pedagogicheskikh nauk RSFSR, Institut obshcheobrazovaniia i pollichimicheskogo obrazovaniia. [For success in promoting all pupils from the work practice of teachers of primary grades of the Altai Territory] Za rabotu bez vtorogodnikov, iz opyta raboty uchitel'sk nuchal'nykh klassov Altalskogo kraia. Pod red. M. S. Vasil'evoi i T. G. D'Idakovoi. Moskva, Prosveshchenie, 1964. 141 p. (NIC)

## ALTAI TERRITORY—GLACIERS

The so-called ice basins in the Altai. E. V. Deviatkin, and others. Bul. MOIP. Old. geol. 36 no. 3:131-135 Mj-Je '61

## ALTAI TERRITORY—MACHINERY INDUSTRY—STANDARDS

Every month about standardization. D. I. Grechko, Stanisl. kach. 30 no. 11:81 N '66

## ALTERNATING CURRENT ELECTRIC MOTORS see Electric motors, Alternating current

## ALTERNATING ELECTRIC CURRENTS see Electric currents, Alternating

## ALTITUDE, INFLUENCE OF

Altitude resistance of the organism. N. Artamonov, At. kosm. no. 2:69-76 F '67

Lung volumes in temporary residents of high altitudes. K. Iu. Akhmedov, Bul. ch. patol. i med. 63 no. 1:18-21 Ja '67

## ALUMINOSILICATES

Hydrogenation catalysts having an aluminosilicate base. A. V. Lozovoi and others. Zhur. prikl. khim. 34 no. 6:1209-1208 Je '61

Relationship between the catalytic properties of aluminosilicate microspherical catalysts and their porous structure. First article. G. A. Gamid-Zade, S. A. Efimova, N. G. Buzova, Shor. trud. Az. NII NP. no. 3:339-348 '58

Relationship between the parageneses of alkaline metasomites in aluminosilicates impoverished by the presence of calcium in rocks and the potentials of alkalies. A. S. Pavlenko, V. I. Kovalenko, Geokhimiia no. 11:980-987 '61

## ALUMINOTHERMY

Lanthano- and ceriothermic reduction of ytterbium oxide. G. G. Gvetslani, A. A. Nadiradze, Izv. AN SSSR, Met. no. 1:213-218 Ja-F '67

Reduction of vanadium pentoxide by aluminum. V. I. Musikhin and others. Izv. AN SSSR, Met. no. 1:208-212 Ja-F '67



## AMINO ACIDS AS FLUO

Free amino acid level in sheep rumen. A. V. Prokudin. Trudy Inst. AN Kazakh SSR 10 59-62 '66

## AMINO COMPOUNDS

Complex formation of amino derivatives of biphenyl, diphenyl sulfide, and diphenyl oxide. B. V. Tronov and others. Trudy TGU 198 3-5 '65.

## AMINOLYSIS

Hydroxylaminolysis of uridine diphosphate glucose and some of its analogs. N. K. Kochetkov and others. Dokl. AN SSSR 172 no 3,603-606 Ja '67.

## AMMINES

Nitrosodichloroamine compounds of tetravalent platinum. I. A. Nazarov and others. Zhur. neorg. khim. 12 no 1 137-147 '67

Nitrosodichloroamine compounds of platinum. I. A. Nazarov, I. I. Chumakov, A. N. Kolesnikov. Zhur. neorg. khim. 12 no 1 277-279 Ja '67

## AMMONIA

Detection of scandium and yttrium fluorides with gaseous ammonia. V. P. Olovskii. Zhur. neorg. khim. 12 no 1 20-22 Ja '67.

Solubility in the system vanadium pentoxide - ammonia - water at 25°C. P. I. Fedorov, L. M. Akulina, L. S. Razgon. Zhur. neorg. khim. 12 no 1,105-108 Ja '67.

## AMMONIA—PHYSIOLOGICAL EFFECT

Changes in electrophoretic mobility of brain proteins related to ammonia formation. E. E. Klein, N. V. Gavrilin, E. G. Kutschalina. Dokl. AN SSSR 171 no 6 1450-1453 D '66

Bonding and release of ammonia in brain of white rats subjected to X-ray irradiation. A. Ts. Pikuin, T. K. Aspychik. Vestn. AN BSSR, Ser. biol. nat. no 1,75-79 '66.

## AMMONIA CRYSTALS

Plastic deformation of crystalline ammonia. D. M. Bol'shakova, A. I. Pikhvatilov, T. V. Shil'vestova. Ukr. fiz. zhur. 11 no 12 1371-1377 D '66

## AMMONIUM CARBONATES

Continuous method for the production of ammonium carbonate salts with the use of continuous horizontal rotary saturators. S. N. Ganz. Zhur. prikl. khim. 31 no 6 1359-1361 Ja '61

## AMMONIUM CHLORIDE CRYSTALS—SPECTRA

Parlin'ski, K. Dynamics of the ammonium chloride lattice. Dzhurnal' reshetki khim. izlog. ammoniya. Dubna, 1957. 37 p

## AMMONIUM FLUORIDES—SOLUBILITY

Solubility in the system  $\text{NiF}_2 - \text{NH}_4\text{HF}_2 - \text{H}_2\text{O}$  at 0°, 15°, 25°, 50°, and 75°C. I. U. D. Nekrasov, L. M. Ryckova, M. M. Subbotina. Zhur. neorg. khim. 12 no 1 182-194 Ja '67.

## AMMONIUM FLUOSCANDATE

Ammonium fluoscanates. B. N. Ivanov-Linin, I. N. Sazonova, A. I. G'zhev. Zhur. neorg. khim. 12 no 1,21-28 Ja '67.

## AMMONIUM PHOSPHATE CRYSTALS

Electro-optical and elasto-optical properties of deuterated ammonium dihydrogen phosphate crystals. A. S. Vasilevskan, A. S. Sonin. Fiz. tver. tela 8 no 11,3431-3436 N '66.

## AMMONIUM PHOSPHATE CRYSTALS—GROWTH

Some properties of aqueous solutions of  $\text{NH}_4\text{H}_2\text{PO}_4$  and  $\text{ND}_4\text{H}_2\text{PO}_4$ . L. N. Ivanovich and others. Zhur. neorg. khim. 12 no 1 62-67 Ja '67.

## AMMONIUM SALTS

Alkylthiophosphine sulfides. Report No. 4: Method of preparation of ammonium salts of alkyl-N-dialkylamidedithiophosphinic acids. O. N. Grishina, A. A. Sokolova. Izv. AN SSSR, Ser. khim. no 12,2130-2142 '66.

Using centrifugation for removing ammonium salts of benzenesulfonic acids from alkylphenol. M. G. Mitrofanov and others. Neftepr., i neftekhim. no 8,48-50 '66.

## AMMONIUM SULFATE

Improving the quality of ammonium sulfate. G. P. Koptev. Koks i khim. no 5:38-41 '62.

## AMMONOIDEA see subdivision under Mangyeshlak Peninsula

## AMNIOTIC FLUID

Some experimental data on the so-called amniotic fluid exfoliations. A. P. Golubev, E. I. Lemberkshskaya. Sov. med. 29 no 10 37-43 O '66.

## AMPHIBIANS

Morphological characteristics of brain evolution in vertebrates. M. F. Nikolskaya. Vestn. AN BSSR, Ser. biol. nat. no 3:101-109 '66.

## AMPHIBIANS, FOSSIL see subdivision under Orenburg Province

## AMPHIBOLE CRYSTALS

Relationship between the main isomorphic replacement and some parameters of the crystal structure of amphiboles. I. V. Ginzburg, G. A. Sidorenko, D. I. Rogachev. Trudy Min. muz. no 12 3-36 '61.

## AMPHIBOLES

Genetic classification of deposits and manifestations of amphibolytic asbestos. A. I. Kurnas, V. V. Baitakov. Dokl. AN SSSR 172 no 1,178-180 Ja '67

## AMPHIBOLES—THERMAL PROPERTIES

Thermoanalytic study of synthetic fiber fluoramphiboles. O. G. Chigalova, A. D. Fedoseev. Min. sbor. 20 no 2 209-223 '66.

## AMPLIFIERS (ELECTRONICS)

Analysis of selective amplifiers constructed as RC micro-structures with distributed parameters. V. M. Volkov, V. P. Popov. Radiotekhnika 22 no 1,27-31 Ja '67.

Calculation of signal distortion in an amplifier with nonuniform frequency characteristic. A. M. Maltsev, Likhosvay. 21 no 1,78-79 Ja '67

## AMPLIFIERS, TRANSISTOR see Transistor amplifiers

## AMPUTATIONS OF LEG

Use of Callender's method in the amputation of the hip in vascular diseases. V. N. Milostanov, O. top., havm. 1 protez. 27 no 12,60-62 D '66.

## AMU DARYA—STREAM MEASUREMENTS

Establishing the water discharge of the Amu Darya near Kerkil. V. I. Shul'ts and others. Izv. Uzb. fil. Geog. ob-va 9:51-65 '66

## AMU DARYA—WATER, UNDERGROUND

Khodzhaikulov, I. A. [Kazakhstan and Amu Darya oil- and gas-bearing areas: hydrogeology]. Kazakhskaya i Amudarynskaya neftegazovaya oblast: khidogeologiya. Pod red. A. A. Kartseva. Ashkhabad, Izd-vo Turkmenistana, 1966. 218 p.

## AMU DARYA VALLEY—KAZAKHIS

Shalekenov, U. Kh. [The Kazakhs in the lower Amu Darya Valley: history of relations among the peoples of Kazakhstan in the 18th-20th centuries]. Kazakh nizov'ev Amudary, k istorii vzaimootnoshenii narodov Kazakhskoi i XVIII-XX vv. Tashkent, Fan, 1966. 334 p.

## AMUR PROVINCE—CANCER

Incidence of malignant tumors in Amur Province. I. U. S. Grishchenko. Vop. onk. 13 no 1,86-91 '67.

## AMUR PROVINCE—ECONOMIC CONDITIONS

The red line is climbing upwards. A. Kaminaki. Agitation 34 no 4,43-45 F '67.

## AMUR PROVINCE—GEOGRAPHY

[Problems in the geography of the Amur Valley] Voprosy geografi. Priamur'ia. Khabarovsk, 1965. 103 p.

## AMUR PROVINCE—GEOLOGY

[Geology of the U. S. S. R.]. Geologiya SSSR. Glav. red. A. V. Sidorenko. Moskva, Nedra, Vol. 10. Krasnyi, L. I., A. A. Leontovich, and V. V. Khimicheskii, eds. [Khabarovsk Territory and Amur Province] Khabarovskii kraj i Amurskaya oblast'. Pt. 1. [Geological description] Geologicheskoe opisanie, 1966. 730 p. map (insert)

## AMUR PROVINCE—RURAL CONDITIONS

Look what happened to the backwoods! A. Stal'skii. Agitation 34 no 4 15 F '67.

## AMUR PROVINCE—SOYBEAN

Wages and the organization of labor in cultivating soybeans on the state farms of Amur Province. A. F. Cheshkov, L. N. Chukhin. Dokl. i soob. VNIISKH no 28,62-72 '66.

## AMYLAASE

Blood and urine amylase as an indicator of the functional capacity of the kidneys. I. U. N. Kolesnikov, N. G. Kolesnikova. Sov. med. 29 no 11,85-90 N '66.

## AMYLOIDOSIS

Antigenic composition of amyloid. B. V. Shekhonin. Arkh. pat. 28 no 1,43-48 '66.

Cytochemical diagnosis of amyloidosis. G. A. Dashkants. Sbor. nauch. trud. SOGM no 10,45-51 '61

Study of the development of amyloidosis in chronic suppurative pulmonary diseases. G. D. Poljakov. Sov. med. 29 no 11,10-13 N '66.

## AMYLOSES

Electrokinetic properties of iodine-amylose complexes. O. P. Kaban, O. D. Kurylenko. Dop. AN URSR no 12 1594-1595 '66.

## AMYLOLYSIS

Quality of substrates used for determining the activity of amylolytic enzymes. N. G. Cherevko and others. Ferm. i spir. prom. 33 no 11,13-15 '67.

## ANABASINE

Detecting traces of anabesine in cottonseed oil by gas-liquid chromatography. I. R. Lange, L. N. Lishtvanova, M. I. Gorincev. Masl. zhur. prom. 32 no 11 31-35 '66

## ANALCIME

Catalytic conversion of 1-ethyl-1-cyclopentanol in the presence of hydrogen zeolites and analcime. Kh. I. Aleshidze, F. M. Cherkviani, A. V. Dolidze. Soob. AN Gruz. SSR 44 no 2 297-304 N '66

## ANALGESICS

Effect of large and small doses of analgesics on conditioned reflexes. A. V. Val'dman. Zhur. vys. nerv. deiat. 12 no 6 1065-1072 N-D '62

## ANALYTIC FUNCTIONS see Functions, Analytic

## ANALYTICAL CHEMISTRY see Chemistry, Analytical

## ANAPHYLAXIS

Death from a bee sting. A. I. Shvarts. Sud. med. eksp. 9 no 1 50 O-D '66

## ANATOMY

L'vovskii gosudarstvennyi meditsinskii institut. [Current problems of functional anatomy of the vascular system, abstracts of reports of the scientific conference held March 25-28, 1966] Aktual'nye problemy funktsional'noi anatomii sosedstvol'stvy, kratoe soob. zhanie dokladov nauchnoi konferentsii 25-26 marta 1966 g. L'vov, 1966. 107 p.

## ANATOMY—CONGRESSES

Resolution of the 7th All-Union Congress of Anatomists, Histologists and Embryologists passed on June 13, 1966. Arkh. anat., gist. i embr. 51 no 12,81-87 D '66. Second Conference of Anatomists and Histologists of Bulgaria. N. G. Kolesov, A. A. Mitrokhin. Arkh. anat., gist. i embr. 51 no 88-90 D '66.

## ANATOMY—TERMINOLOGY

Corrections to the second edition of "Nomen anatomica." Arkh. anat., gist. i embr. 51 no 12,91-100 D '66.

## ANATOMY, HUMAN

Shul'ak-Savits'ka, M. M. [Human anatomy]. Anatomia ljudyny. Kyiv, Rad. shkola, 1966. 322 p.

## ANATOMY, PATHOLOGICAL

Clinical and anatomical comparisons in rheumatism. K. V. Sokolova. Trudy LPN 37,171-174 '65.

## ANATOMY, PATHOLOGICAL—STUDY AND TEACHING

see subdivision under Kazan

## ANATOMY, SURGICAL AND TOPOGRAPHICAL

Surgical anatomy of the intracardiac conduction system of the heart in defects of the interatrial septum. M. N. Dmoyist. Gid. khim. 9 no 1,62-69 Ja-F '67.

## ANATOPTERUS

(see also subdivision under Pacific Ocean)

Anatopterus pharao Zugm. I. A. Pointov. Priroda no 1 72 Ja '67.

## ANCHORAGE

Device for mooring ships. N. I. Akhmedov. Sbor. izobr. v yb. pr. om. za 1961 g. 103-104.

## ANCIENT GEOGRAPHY see Geography, Ancient

## ANCIENT JEWELRY see Jewelry, Ancient

## ANDALUSITE see subdivision under Sayan Mountains

## ANDIZHAN—WOOD-USING INDUSTRIES

Production of nitroglutin at the Andizhan Hydrolysis Plant. B. M. Bobovnikov and others. Gidroliz. i lesokhim. prom. 15 no 5 17-19 My '62

## ANDREEVA, MARIA FEDOROVNA, 1892-?

A beautiful fate. N. Krutikova. Nov. mir 38 no 10: 254-256 O '62

## ANDREYEVSKIY REGION (KAZAKHSTAN)—STRIP MINING

Influence of fuel consumption on the efficiency of boring with single-nozzle burners. A. V. Brichkin, U. M. Soudikov. Izv. vys. ucheb. zav. gor. zhur. 8 no 8: 51-55 '63.

## ANDROGENS

Effect of ACTH and reduced triphosphopyridine-nucleotide on the biosynthesis of androgens and corticosteroids in the adrenal glands. Siao Li [Hsiao Li]. Probl. endok. i gorm. 8 no 8:17-23 N-D '62.

## ANDROSTANE

Effect of testosterone propionate and methylandrostanediol on the secretory capacity of the adrenal glands in rats. T. S. Sakhatskaya. Probl. endok. i gorm. 8 no 8: 12-17 N-D '62





## ANTIBIOTIC METABOLISM (Continued)

- Distribution of tetracycline and oxytetracycline in the body of kittens with experimental dysentery. K. V. Klimov. Antibiotiki 12 no. 1:69-71 Ja '67.
- Methodological fundamentals for the determination of kanamycin in organs and tissues, and study of its distribution in animal body. G. I. A. Kivman, A. V. Kosolapova. Antibiotiki 12 no. 1:16-50 Ja '67.
- Methodology of determining concentration of the antibiotic in milk. I. P. Baranova, N. S. Egorov. Antibiotiki 12 no. 1:60-69 Ja '67.

## ANTIBIOTICS

- Antibacterial therapy in patients with allergic reactions. I. A. Gonorovich, A. M. Maslitskiy. Sov. med., 30 no. 1:21-27 Ja '67.
- Antitoxic characteristics of antibiotics. V. M. Derkach. Mikrobiol. zhur. 21 no. 5:16-21 '62.
- Determination of the resistance of *Pasteurella pestis* to antibiotics. A. I. Optikova, I. M. Voronova, G. B. Minkov. Zhur. mikrobiol., epid. i immun. 41 no. 1:99-102 Ja '67.
- Dichloroethoxy derivatives of salicylanilide and monohalogen salicylanilides, new synthetic antimicrobial substances. M. M. Rotmanov, H. V. Kulyk. Dop. AN URSR no. 7:954-957 '62.
- Effect of antibiotic therapy on the dynamics of blood serum protein fractions in patients with dysentery. A. I. Spectorova. Antibiotiki 12 no. 1:83-87 Ja '67.
- Effect of some fats on the biosynthesis of antibiotic 256. G. Shokova, P. Isaur, I. Georgieva. Antibiotiki 12 no. 1:10-12 Ja '67.
- Mechanism of the action of tetracycline. I. V. Dudnik, G. G. Gruz. Antibiotiki 12 no. 1:17-22 Ja '67.
- Mechnikov, N. I., and Z. N. Mol'nikova. [Antibiotics in the treatment of suppurative infections]. Antibiotiki v terapii gnojnykh infektsii. Moskva, Meditsina, 1966. 254 p. (DNLN).
- Metabolism of pyruvic acid in *Proteus vulgaris* OX<sub>10</sub> and its sensitivity to some antibiotics. B. V. Yakovlev. Mikrobiologiya 35 no. 6:987-993 N-D '66.
- Methods of internal therapy in ridding vine crops of diseases. M. N. Rodin. Izv. KISKII 56 3-10 '66.
- Nature of pigment antibiotics of some new species of violet Actinomyces. G. Z. Akubov and others. Mikrobiologiya 35 no. 6:1053-1058 N-D '66.
- Rapid method for determining the sensitivity of bacterial cultures to various antibiotics in liquid media. M. I. Levit, I. A. Gorobchukina, L. A. Sagatovskaya. Antibiotiki 12 no. 1:57-60 Ja '67.
- Resistant to semisynthetic penicillins staphylococci, isolated from patients. A. N. Shneerson, S. P. Rezvan. Antibiotiki 12 no. 1:60-66 Ja '67.
- Ridding pine seedlings of lodging. N. S. Pogorelova. Izv. KISKII 56 86-90 '66.
- Selection of variants, the biological properties, preparation of inoculum of fusidin-producing organism, and the method of determining antibiotic activity. V. D. Kuznetsov and others. Antibiotiki 12 no. 1:17-19 Ja '67.
- Some practical aspects of the resistance of a pathogen to antibiotics. T. B. Gorgiev. Antibiotiki 12 no. 1:87-89 Ja '67.
- Structure of olivomycins and chromomycins. I. U. A. Bern and others. Dokl. AN SSSR 171 no. 4:863-866 D '66.
- Study of the formation by Actinomyces of biologically active substances with a protective effect in lesions caused by radiomimetic compounds. N. V. Klitsunova. Antibiotiki 12 no. 1:22-28 Ja '67.
- Treatment of effusion pericarditis. M. O. Makhachev. Sov. med. 20 no. 10:76-81 O '66.
- Treatment of suppurative pulmonary diseases with intratracheal introduction of antibiotics. M. A. Kalagova, T. A. Manlenikova. Sbor. nauch. trud. SOGMi no. 10:169-171 '61.

ANTIBIOTICS—EFFECT ON PLANTS see Plants, Effect of antibiotics on

## ANTIBIOTICS—PHYSIOLOGICAL EFFECT

Growth of mulberry silkworm caterpillars as affected by some antibiotics. V. O. Kolybin. Dop. AN URSR no. 7:982-985 '62.

## ANTIBIOTICS AS FEED

Use of antibiotic stimulators in bee keeping. P. P. Kopanovich. Vest. sel'khoz. nauk. 11 no. 12:87-91 D '66.

## ANTICOAGULANTS (MEDICINE)

- Effect of phenyls and neodicoumarin on the growth of *Sarcophaga* 160. V. I. Shats. Vop. onk., 13 no. 1:85-86 '67.
- Thromboembolic complications following operation for portal hypertension and their prevention by means of anticoagulants. S. G. Konukhov, V. A. Zhuravlev, Khirurgiya 42 no. 12:18-20 D '66.

## ANTIGENS AND ANTIBODIES

- Antiferments as antibodies. I. V. Domarskii. Usp. sov. biol. 52 no. 1:40-52 Ji-Ag '61.
- Antigenic composition of amyloid. B. V. Shekhonin. Arkh. pat. 28 no. 12:43-40 '66.

Antineoplastic autoantibodies in animals with some experimental tumors. R. D. Antonuk. Vop. onk. 13 no. 1:50-64 '67.

Changes in the immunogenic reactivity and morphological reorganization of the lymphoid tissue in various stages of radiation sickness. A. I. Polak. Med. rad. 7 no. 10:51-55 O '62.

Determination of ABO system antigens in hair. Report No. 2. Detection of ABO system antigens following effect of ultrasonic on hair. N. N. Acherkan. Sud. med. ekspert. 9 no. 1:30-35 O-D '66.

Dynamics of Russell's body formation following antigenic stimulation. G. V. Tolstova. Dokl. AN SSSR 172 no. 3:709-712 Ja '67.

Efforts to detect humoral autoantibodies in the serum of rats in early stages of carcinogenesis. L. L. Khundanova. Vop. onk. 13 no. 1:107-110 '67.

Modern methods for isolation of pure antibodies. R. S. Nezhin. Usp. sov. biol. 52 no. 1:19-39 Ji-Ag '61.

New variation of antigen and the accelerated method of microreaction of complement fixation for the study of paratuberculosis. A. K. Strogov. Nauch. sob. IAFAN SSSR no. 8:117-123 '62.

Relationship between the appearance of C-reactive protein and antibody formation. S. A. Usmanova, M. G. Vlasova-Polinskaya. Zhur. mikrobiol., epid. i immun. 44 no. 1:136-140 Ja '67.

Serological study of "madness" and the antigenous relationships of the pathogenic agent of this disease with other viruses. R. S. Kolesnikov, Nauch. sob. IAFAN SSSR no. 8:125-132 '62.

Some regularities of the course of typhus fever infection of the epidemic and endemic types in guinea pigs. V. F. Ignatyev. Zhur. mikrobiol., epid. i immun. 44 no. 1:102-107 Ja '67.

Study of the antigen structure of the globulin fraction from a tissue perfusate of irradiated dogs. G. M. Lybitsyn, I. U. D. Balika. Radiobiologiya 2 no. 1:590-591 '62.

Use of antigenic structure of some Dipyllobotriidae for improvement of their taxonomic position. E. G. Kravtsov. Dokl. AN SSSR 171 no. 4:1005-1008 D '66.

## ANTIMONY

(see also subdivision under Allat Mountains)

Zonal development of antimony-mercury mineralization. G. M. Utekhin, I. R. Helosa. Zap. Vses. min. ob-va 95 no. 6:665-673 '66.

## ANTIMONY—ACOUSTIC PROPERTIES

Giant quantum oscillations of ultrasound absorption coefficient in antimony. V. B. Kazanskiy, A. P. Koroluk. Fiz. tver. tela 8 no. 11:3418-3420 N '66.

## ANTIMONY—ANALYSIS

Extraction determination of arsenic and antimony. K. Minasian. Prom. Atm. 9 no. 11:40-42 '66.

ANTIMONY—ALUMINUM ALLOYS see Aluminum-antimony alloys

## ANTIMONY ISOTOPES—SPECTRA

Studying Y<sub>88</sub> and Sp<sub>118</sub> radiation. K. A. Baskova and others. Vest. Mosk. univ. Ser. 3: Fiz., astron. 21 no. 6:15-18 N-D '66.

## ANTINEOPLASTIC AGENTS

Study of antineoplastic effect of Newcastle virus. K. D. Erilav and others. Sob. AN Gruz. SSR 44 no. 3:765-768 D '66.

## ANTINEOPLASTIC AGENTS—SIDE EFFECTS

Study of the formation by Actinomyces of biologically active substances with a protective effect in lesions caused by radiomimetic compounds. N. V. Klitsunova. Antibiotiki 12 no. 1:22-28 Ja '67.

## ANTIOXIDANTS

- Change of some physical and mechanical properties of thin-layer polymer coatings in the process of thermal oxidative aging. V. A. Belyi, L. S. Koretskaya, D. A. Rodchenko. Lakokras. mat. i kh. prim. 6 no. 2:1-22 '66.
- Determination of antioxidants in polyolefins by selective extraction. S. Juskeviciute, I. U. A. Shlapnikov. Plast. massy no. 1:54-55 '67.
- Hygienic evaluation of mixture of antioxidants of edible fats of butyldihydroxyanilic and propyl gallic acid. M. A. Danilova. Vop. pit. 25 no. 8:47-51 N-D '66.
- Stabilization of polypropylene with a mixture of carbon black and sulfonated atactic polypropylene. A. A. Dontsov and others. Plast. massy no. 1:8-10 '67.
- Study of the effectiveness of inhibitors during the oxidation of butyl rubber. P. I. Levin, L. V. Ruban. Kauch. i rez. 28 no. 1:23-24 '67.

## ANTIPHLOGISTICS

Synthesis of cis-9-pentadecenoic and cis-9-heptadecenoic acids and study of their antiphlogistic effect. V. A. Vavrov, V. V. Dorogov, V. D. Bergelson. Izv. AN SSSR, Ser. khim. no. 12:2241-2242 '66.

## ANTITUMORAL CYTOTOXIC SERUM

Use of small doses of antitumoral cytotoxic serum for increasing the weight of fattened swine. A. V. Ozerov, B. A. Voskresenskiy. Dokl. TSKHA no. 45:137-141 '59.

## ANTISEPTICS

Chloride and calcium changes in blood in patients operated on: Intavenous thlopental-alcohol narcosis. M. I. Hahn. Vest. AN BSSR. Ser. biol. nav. no. 3:87-90 '66.

## ANTRUM—TUMORS

Case of a cystoid distension of the maxillary sinus. A. A. Gnatenko. Zhur. uzh. nos i gorl. bol. 19 no. 6:77-78 N-D '59.

## ANTS

Myrmecophilous vertebrates and their role in life of ant populations of genus *Formica*. V. V. Stokrov. Zool. zhur. 45 no. 12:1835-1842 '66.

## AORTA

Changes in some hemodynamics indices in experimental coarctation of aorta. H. M. Oganov, L. A. Ovespan, E. R. Imaganova. Biol. zhur. Arm. 19 no. 10:60-71 O '66.

## AORTA—CALCIFICATION

Mechanism of calcinosis of the aortic media. R. I. Sokolova. Arkh. pat. 28 no. 12:7-10 '66.

## AORTA—DISEASES

- Case of total atresia of the aortic arch with concomitant defect of the interventricular septum and patent ductus arteriosus. L. S. Zangerman, I. I. Rasulova. Grud. khir. 9 no. 1:110-111 Ja-F '67.
- Neurological syndromes in lesions of the aorta. N. K. Bogolopov, L. G. Elukhina. Zhur. nov. i psikh. 62 no. 11:1668-1673 '62.
- Significance of X-ray examination methods in the diagnosis of aortic valve insufficiency. I. U. S. Petrosian, E. I. Kumbina, G. T. Golikov. Vest. sent. i rad. 11 no. 6:11-16 N-D '66.
- Surgical treatment of coarctation of the aorta in early childhood. V. I. Frantsyev and others. Grud. khir. 9 no. 1:7-8 Ja-F '67.

## AORTA—INNERVATION

Development of afferent structures of human aorta in prenatal ontogeny. M. S. Gan'shina. Dokl. AN SSSR 172 no. 1:242-245 Ja '67.

Morphology of posthumous changes in the neural apparatus of the aortic arch. E. B. Khaisman. Blud. eksp. biol. i med. 63 no. 1:89-92 Ja '67.

## AORTA—RADIOGRAPHY

X-ray examination of the aorta in tuberculous spondylitis. M. M. Zagorodskaya. Vest. sent. i rad. 11 no. 6:20-23 N-D '66.

## AORTA—SURGERY

Simultaneous approach to aortic and mitral valves; anatomical study. A. M. Bagirov, A. S. Antipovich. Grud. khir. 9 no. 1:21-25 Ja-F '67.

## AORTIC ANEURYSMS

Case of plastic surgery using capron in aneurysm of the abdominal aorta. H. N. Volokhov, I. A. Ivanchenko. Grud. khir. 9 no. 1:115 Ja-F '67.

## APARTMENT HOUSES

(see also subdivision under Maritime Territory; Moscow, Riga)

Architectural and industrialization of residential construction at 3d Plenum of Administration of Council of Architects of U.S.S.R. Arkh. SSSR. no. 1:16-26 '67.

Elements of large-panel apartment houses in the Czechoslovakian Socialist Republic. A. Lauko, A. Kratochvila. Bet. i zhel.-bet. no. 12:563-568 D '61.

Improvement of the elements of large-panel apartment houses. A. A. Shishkin. Bet. i zhel.-bet. no. 12:531-536 D '61.

## APARTMENT HOUSES—DESIGN AND CONSTRUCTION

(see also subdivision under Cherepovets, Volgograd Province, Chita; Leningrad; Moscow; Orel; Yugoslavia)

Economic evaluation of design features of apartment houses. G. Fedorov, N. Lazareva. Arkh. SSSR. no. 1:27-30 '67.

Experimental apartment. M. Z. Vil'ner. Stroitel. arkhit. Len. 28 no. 5:17-19 My '66.

On the basis of a mastery of technology; development of complex series of large-panel apartment houses of five, nine, twelve, and sixteen stories. G. Pavlov. Stroitel. arkhit. Mosk. 15 no. 7:1-8 Ji '66.

1-335A; improved series of standard designs. P. F. Kozlov. Stroitel. arkhit. Len. 28 no. 7:24-27 Ji '66.

## APARTMENT HOUSES—HEATING AND VENTILATION

Basics of provisional directions for designing improved ventilating systems for apartment houses. V. E. Konstantinova. Sbor. trud. NIIST no. 13:88-100 '62.

Study by the hydraulic analog method of air changes in apartment houses with apartment systems of air heating. S. P. Trebukov. Sbor. trud. NIIST no. 13:123-127 '62.

Testing systems of ventilation with exhaust from stairwell. S. B. Trebukov. Vod. i snn. tekhn. no. 11:31-32 N '66.

## APARTMENT HOUSES—MAINTENANCE AND REPAIR

Precast roofs for major repair of apartment houses  
M. V. Gordinovskii, N. N. Gubonin, Gor'khiy 1957  
35 no. 12-14-15 D '61

Reinforced concrete elements for major repair of apartment houses  
A. I. Ivanov, Gor'khiy 1957 35 no. 12-14-15 D '61

Standard precast structural elements for buildings under repair  
G. M. Rabinovich, Stroiarkhit Len 28 no. 12-16-17 D '66

Use of nondestructive methods in determining bearing capacity of brick walls  
R. G. Komisarichuk, Stroiarkhit Len 28 no. 7-22-23 JI '66

**APATITE—ANALYSIS** see subdivision under Soviet Central Asia

## APHORISMS AND APOTHEGMS

Wise thoughts, V mire knig 6 no. 6-33 Je '66.

## APOPLEXY

Osralan apopley, I. I. Garmash, Sov med, 30 no. 1-131-134 Ja '67.

## APOSTLES

Barmbas, S. P. Gaduekhin, Dni vest no. 1-29-31 '66

**APPARENT DEATH** see Death, Apparent

## APPELLATE COURTS

Which petitions for the supervisory review of judicial decisions should be accepted by the Supreme Court of the R. S. F. S. R.?  
N. Lenskaya, Sots zakon 10 no. 7-66-67 JI '61

## APPELLATE PROCEDURE

Forms and methods of the public prosecutors' supervision of the observance of laws in appellate procedure.  
A. A. Kostakov, Vest LGU 21 no. 23, JI-127 '66.

## APPENDICITIS

Acute appendicitis, extrauterine pregnancy and ruptures of the ovaries  
I. A. Mironovskii and others, Khirurgia 42 no. 12-76-81 D '66.

Vasculovegetative disorders based on thermometric data in patients with appendicitis  
I. M. Volobuev, Trudy Turknauch-issl inst. khim., kuz. i tiz. mied. iuch 8 113-118 '65

## APPENDIX (ANATOMY)—DISEASES

Appendicular form of lamblia, A. A. Dvyskin, Khirurgia 38 no. 11-127 N '62.

## APPLE

(see also subdivision under Estonia)

Formation of flower buds in apple, V. E. Pailil'ev, Vest sel'khoz. nauch. 11 no. 12-65-68 D '66.

## APPLE—DISEASES AND PESTS

(see also subdivision under Kharkov Province)

Effect of oyster shell scale on the population of apple with apple cleaning moths  
G. B. Sapalev, Trudy KISKIII 55:132-133 '66.

Monilia scab of apple eliminated, D. Rykov, Zashch. rast. 12 no. 1-43 '67.

Possibilities of the use of growth promoting substances in protecting apple from black rot, V. P. Prikhod'ko, Trudy KISKIII 56:72-77 '66

## APPLE—VARIETIES

Effect of clonal variability on the yield of common Antonovka apple, V. M. Kotolantsev, Vest sel'khoz. nauch. 11 no. 11-57-59 '66.

**APPLE SCAB** see subdivision under Kharkov Province

## APPROXIMATE COMPUTATION

Conditionality in general computational problems, I. U. Lushchik, Dokl. AN SSSR 171 no. 4-797-799 D '66

On the practical use of a new approximation method, M. A. Atekidze, Dif. urav. 2 no. 12-1625-1629 D '66.

**APRICOT** see subdivision under Soviet Central Asia

## APSHERON ARCHIPELAGO—CURRENTS (HYDROLOGY)

Currents in the Apsheron and Baku Archipelagoes, T. I. Furman, Trudy Azerb. geog. ob-va 3-154-161 '66.

## APSHERON PENINSULA—DREWITES

Drewite in the sediments of the Apsheronian stage of the Apsheron Peninsula, A. G. Aliev, T. M. Gadilova, Dokl. AN Azerb. SSR 18 no. 3-35-38 '62.

## APSHERON PENINSULA—GAS FIELD BRINES

Causes of hydrochemical inversion in producing layer of Apsheron oil- and gas-bearing area, Sh. F. Mekhtilov, M. Z. Rachinskii, A. R. Akhundov, Dokl. AN Azerb. SSR 22 no. 9-57-61 '66.

## APSHERON PENINSULA—OIL FIELD BRINES

Causes of hydrochemical inversion in producing layer of Apsheron oil- and gas-bearing area, Sh. F. Mekhtilov, M. Z. Rachinskii, A. R. Akhundov, Dokl. AN Azerb. SSR 22 no. 9-57-61 '66

## APSHERON PENINSULA—PETROLEUM GEOLOGY

Geological development of structures of Gryznevaya Sopka in Middle Pliocene Age, D. G. Dzhalilov, Azerb. neft khoz. 15 no. 11-5-7 N '66.

## APSHERON PENINSULA REGION—GEOLOGY, STRUCTURAL

New seismic prospecting data on tectonics of western part of Apsheron-Balkhan anticlinal zone, A. R. Kulicva, B. D. Trebukova, Azerb. neft khoz. 45 no. 11-15-16 N '66

## APSHERON PENINSULA REGION—SEISMIC PROSPECTING

New seismic prospecting data on tectonics of western part of Apsheron-Balkhan anticlinal zone, A. R. Kulicva, B. D. Trebukova, Azerb. neft khoz. 15 no. 11-15-16 N '66

## APTER, IAKOV NATANOVICH

Iakov Apter, A. Shister, Ispisivo 29 no. 12-15-46 '66.

## AQUARIUMS

Fish food, I. U. Gorbov, 5em'ia tshkola 21 no. 7-62 JI '66

## AQUATIC SPORTS

Three degrees of ability, Voen. zhurn. 43 no. 1-12-11 Ja '67

## AQUATION

Kinetics of aquation of trans-dichloro-1,2-dithylenediamine-chloride, I. U. T. Bratuhko, I. U. P. Nazarenko, Ukr. khim. zhur. 32 no. 11-154-159 '66.

**AQUEDUCTS** see subdivision under Virgin Territory

## ARABIC LANGUAGE—TERMS AND PHRASES

Translation terms in the work of al-Baladkhari, T. M. Stipenkova, Palest. shen. no. 15-148-151 '66

**ARABIC MANUSCRIPTS** see Manuscripts, Arabic

## ARABIC STUDIES

Bartol'd, V. V. [Works] Sochineniia, Moskva, Nauka, Vol. 8, [Studies in the history of Islam and the Arabian Caliphate] Raboty po istorii Islama i Arabskogo khalifata, 1966, 704 p.

## ARABINSKII, GUSSEIN MAMED, 1881-1919

Some materials on biographies of U. Gadzhilbekov, G. Arabinskii and A. Azimzade, A. G. Sarakhali, Dokl. AN Azerb. SSR 18 no. 3-73-76 '62

**ARAGONITE** see subdivision under Cherdyn' District

## ARAGVI VALLEY—BRECCIA

Age of block breccias and conglomerates of Aragvi basin, Sh. A. Adamia, D. G. Akhvediani, Soob. AN Gruz. SSR 44 no. 2-337-340 N '66.

## ARAGVI VALLEY—FUNGI

Review of mycoflora of Aragvi Valley, I. K. Muvantshvili, Soob. AN Gruz. SSR 41 no. 2-423-432 N '66

## ARAGVI VALLEY—GEOLOGICAL TIME

Age of block breccias and conglomerates of Aragvi basin, Sh. A. Adamia, D. G. Akhvediani, Soob. AN Gruz. SSR 44 no. 2-337-340 N '66.

## ARAL SEA

What will happen to our internal seas? Caspian and Aral Seas and irrigation problems, V. N. Kunin, Priroda no. 1-36-46 Ja '67.

## ARAL SEA—COAST CHANGES

Lymarev, V. I. [Coasts of the Aral Sea, inland reservoir of an arid zone] Berega Aral'skogo moria - vnutrennego vodnoia aridnoi zony, Leningrad, Nauka, 1967, 251 p.

## ARARAT PLAIN—EGGPLANT

Fertilization of eggplant (Solanum melongena), S. G. Mikaelian, Biol. zhur. Arm. 10 no. 10-34-12 O '66.

## ARARAT PLAIN—SOIL BIOLOGY

Enzymatic soil activity in Ararat Plain, A. Sh. Galst'yan, Z. S. Avundzhian, Biol. zhur. Arm. 10 no. 10-14-22 O '66.

## ARBITRATION AND AWARD

Aleksandrova, K. I. [Practice of the Maritime Arbitration Commission in the examination of disputes arising from shipping goods by sea] Praktika morskoi arbitrazhnoi komissii po sporam, vyekalushchim iz perovozki gruzov morem, Moskva, Transport, 1966, 59 p.

Correction and amendment of the rules which regulate the examination of business conflicts in arbitration agencies, Sov. gos. i pravo no. 1-133-134 Ja '67.

Correlation between the rules of substantive law and arbitration procedure, P. V. Loginov, Sov. gos. i pravo no. 1-107-101 Ja '67.

Decisions of arbitration agencies, Sots. zakon, no. 2: 89-90 F '67.

Decisions of arbitration agencies, Sov. iust. 30 no. 24: 29 D '66.

Decisions of the State Arbitration Agency attached to the Council of Ministers of the U. S. S. R., Sots. zakon, 11 no. 7-91-93 JI '66.

New ways of the administration of the national economy require an increased role of arbitration agencies, I. Abova, Sots. zakon, no. 2-19-21 F '67.

Practice in the implementation of Article 95 and 96 of the rules which regulate the examination of business conflicts in arbitration agencies, Sov. gos. i pravo no. 1-131-135 Ju '67.

## ARBORS AND MANDRELS

Releasing mandrels, S. I. Leonov, Stand. i tech. 10 no. 9-31-33 S '66.

**ARCHAEOCYATHIDAE** see subdivision under Tuva, A. S. S. R.

**ARCHAEOLOGICAL RESEARCH** see subdivision under White Russia

**ARCHAEOLOGY** see subdivision under Maritime Territory

**ARCHAEOLOGY—BIBLIOGRAPHY** see Bibliography—Archaeology

## ARCHANGEL—EDUCATION, COOPERATIVE

A friendship between a school and an industrial plant, K. N. Vasilonov, S. P. G. oshev, Shkol. i pad'v. 10 no. 12-25-26 D '66.

## ARCHANGEL PROVINCE—FORESTRY RESEARCH

From the history of experimental work in forestry in the north, V. I. Kashin, P. I. Volchok, Izv. vyzn. uch. i. uch. zhur. 9 no. 6:172-174 '66.

## ARCHANGEL PROVINCE—TREES—GRAFTING

Methods and dates for grafting scions on place, spruce, and larch in the northern taiga zone of forests in Archangel Province, L. A. Lashov, T. D. Bolkova, Izv. vyzn. uch. i. uch. zhur. 9 no. 6:180-181 '66.

## ARCHANGEL OIL FIELD—PETROLEUM GEOLOGY

Archangel oil field, and prospecting problems of new oil-bearing region, M. I. Ostrovskii, V. A. Shchegolev, G. D. Sevon'ko, Geol. neft i gaz 10 no. 12-13 JI '66.

## ARCHES

Use of the regularization method in the calculation of arch dams, V. A. Morozov, V. T. Ivanishnikov, Vyssh. met. i. inzh. 5:171-186 '66.

## ARCHITECTURAL ACOUSTICS

Man'kovskii, V. S. [Acoustics of studios and halls for audio reproduction] Akustika studii i zhalov dlia zvuka, vosproizvedeniia, Moskva, Iekunavto, 1966, 171 p.

**ARCHITECTURAL AND DECORATIVE LIGHTING** see Lighting, Architectural and decorative

## ARCHITECTURE

(see also subdivision under Europe, Western; Hungary)

According to the laws of expediency, hygiene, and taste, Stroiarkhit Len. 28 no. 7-10 JI '66.

Architecture and industrialization of residential construction, at 3d Plenum of Administration of Communist Architects of U. S. S. R. Arkhit. SSSR, no. 1-6 '67

Great art of architecture, A. Mikhailov, Arkhit. i. zh. no. 1-33-42 '67.

In the Praxidium of the Academy, F. L. Ganspe, Izv. ASIA no. 3:124-128 '61.

**ARCHITECTURE—BIBLIOGRAPHY** see Bibliography—Architecture

## ARCHITECTURE—CONGRESSES

Third Congress of Architects and the science of construction and architecture, G. A. Shchegolev, Izv. ASIA no. 3-3-8 '61

## ARCHITECTURE—DETAILS

Decorative finishes for buildings, P. F. Shchegolev, Put' i put. khoz. 10 no. 8-34 '66.

## ARCHIVES

(see also subdivision under Daghestan; Kharkovsk; Moscow; Tuva)

Collecting and studying the documentary materials of underground movements, I. P. Kondranov, Sov. arkh. no. 5:71-74 '66.

Explicitness and clarity of purpose in the acquisition of archival materials, D. T. Subbotin, Sov. arkh. no. 5: 29-33 '66.

An international forum of archivists, G. A. Reznov, Arkh. no. 5:80-89 '66.

## ARCTIC OCEAN—SUBMARINE GEOLOGY

Underground mid-Arctic range and its place in system of ranges in Arctic Ocean, A. I. Raasokho and others, Dokl. AN SSSR 172 no. 3:659-662 Ju '67.

## ARCTIC REGIONS

Obruchev, V. A. [Plutonia, Sannikov Island] Plutonia, Zemlia Sannikova, Moskva, 1958, 630 p. (Dobrotka priklucheni) (NIC)

# ARCTIC REGIONS—SOIL. MICRO-ORGANISMS

Features of the microflora of Arctic soils. N. N. Sushchik. *Pochvovedenie* no. 1 57-61 Ap '66.

# AREA MEASUREMENT

[Radiogeodetic works in geophysical surveys, a practical manual] Radiogeodeticheskie raboty pri geofizicheskikh s'emyakh, prakticheskie posobie. Moskva, 1965 223 p.

# ARGENTINA—COMMUNIST YOUTH

"We have to struggle, Mama." Teolina Mendes. *Mol. komm.* no. 1 12-15 '66

# ARGON—PURIFICATION

Removal of oxygen impurity from argon on synthetic columns. G. A. Golovko and others. *Sovb. AN Gruz. SSR* 11 no. 2, 289-296 N '66

# ARGON—POTASSIUM DATING see Potassium-argon dating

# ARGUN' VALLEY—STEEPPES

Central Asian type of steppes in the south of Eastern Siberia. N. S. Ilyusheva. *Izv. Urb. fil. Grog. ob-va* 9:73-77 '66.

# ARID REGIONS

Lymarev, V. L. [Coasts of the Aral Sea, inland reservoir of an arid zone] *Beizya Aral'skogo moria i vnutrennego vodoema na ikhol zmyr.* Leningrad, Nauka, 1967. 251 p.

# ARID REGIONS—RESEARCH

Vinogradov, B. V. [Aerial methods of studying vegetation in arid zones] *Aerialnaya izmereniya rastitel'nosti aridnykh zon* Moskva, Nauka, 1966 360 p

# ARISTOTLE

Aristotle and present-day economic theory. A. V. Anikon. *Vest. drev. ist.* no. 1 10-51 '66.

Critical review of the bourgeois distortions of some works of Aristotle. D. B. Stolyarov. *Nauch. trudy TashGU* no. 2 19 137-147 '65

# ARITHMETIC—STUDY AND TEACHING

Raising the level of theoretical mathematics instruction. M. L. Mon. *Nach. shkola* 35 no. 1 27-30, 11 Ja '67.

# ARLON OIL FIELD—DIESEL FUELS

Experimental production of diesel fuel and sulfides from Arlon petroleum by selective extraction of sulfides. I. K. P'zova and others. *Neftepr. i neftekhim.* no. 10 3-1 '66

# ARLON OIL FIELD—OIL FIELD FLOODING

Causes of wellbore clogging in Arlon oil field. A. A. Galvov-on. *Neft. khoz.* 44 no. 10:48-51 O '66.

# ARM—FRACTURE

Chromatometer table for the upper extremity. I. U. P. Fokanov. *Ontop. i travm. i pulez.* 27 no. 12:61-66 D '66.

# ARMAVIR—COURTS

Do they read the materials of criminal cases in Armavir? S. I. Makhankin. *Sov. zakon* 18 no. 1 67 31 '66.

# ARMENIA—ACOUSTICAL MATERIALS

Facing soundproof tiles made of local raw materials. S. Matirosian. *Prom. Arm.* 9 no. 11:34-37 '66.

# ARMENIA—ALGAE

Blue-green alga of Armenian S. S. R. N. N. Tamblan. *Biol. zhur. Arm.* 10 no. 10:66-69 O '66.

# ARMENIA—ATHRISM

By the walls of Pehlan/In. A. Mkrtchian. *Biblioteka* 14 no. 2:76 F '67.

# ARMENIA—BEE FLIES

Villa ventuosa Lw. (Diptera: Bombyliidae), parasite of larvae and pupae of houseflies (Diptera: Tabanidae) in Armenian S. S. R. V. F. Zaitsev, A. E. Terterian. *Biol. zhur. Arm.* 19 no. 12:84-89 D '66.

# ARMENIA—BEETLES

Review of Armenian representatives of the genus *Phytomyza* Schödh., with description of a new species (Coleoptera, Curculionidae). S. M. Ablokov-Khuzorian. *Biol. zhur. Arm.* 18 no. 10 65-81 O '66.

# ARMENIA—BONUS SYSTEM

Changes and supplements in the regulations on wages and bonuses for workers. *Prom. Arm.* 9 no. 11:79-80 '66.

# ARMENIA—CHEMICAL INDUSTRIES

Development of the cyanamide industry in Armenia. G. Isaian, I. Buchnev, Zh. Gasparian. *Prom. Arm.* 9 no. 11:53 '66.

# ARMENIA—COMMUNIST PARTY OF THE SOVIET UNION—CONGRESSES

Kommunisticheskaia partiia Armenii. *S'ezd 24. 1966.* [Resolutions of the 24th Congress of the Communist Party of Armenia] *Resolutsii* Erevan, Alastan, 1966. 33 p.

# ARMENIA—CONSTRUCTION INDUSTRY—MANAGEMENT

Developing a production base for construction. S. Aivazian. *Prom. Arm.* 9 no. 11:18-19 '66.

# ARMENIA—ECONOMIC ASSISTANCE, DOMESTIC

With the help of the rural intelligentsia. *Part zhurn.* no. 1 62 F '67.

# ARMENIA—FOOD INDUSTRY

Inventory plan for the food industry. S. Teresian. *Prom. Arm.* 9 no. 11 6-7 '66

# ARMENIA—GEOLOGY, STRUCTURAL

Location of the Vanadens-Dzhengik belt in the Meskhan-Zangezur tectonic zone. S. Sukmanian. *Prom. Arm.* 9 no. 11:29-31 '66.

# ARMENIA—INDUSTRIAL CAPACITY

Introducing production capacities. B. Egitarian. *Prom. Arm.* 9 no. 11 21-27 '66

# ARMENIA—INDUSTRIAL MANAGEMENT

Accounting is an urgent problem. *Prom. Arm.* 9 no. 11 77-78 '66.

# ARMENIA—LEPTOSPIRA

Pathogenicity of a *Leptospira* strain isolated in Armenia for various animals. Zh. R. Arzumanian. *Zhur. mikrobiol., epid. i immun.* 14 no. 1-151 Ja '67

# ARMENIA—LIBRARIES

Pride of Armenia. A. Tirabian. *V mne knig* 6 no. 6 12-13 Je '66

# ARMENIA—MACHINERY INDUSTRY—MANAGEMENT

Machinery industry: outlook and planning. M. Kas'ian. *Prom. Arm.* 9 no. 11 65-66 '66

# ARMENIA—PALEOBOTANY

Correction of the list of Sarmatian flora of Armenia according to I. V. Palibin's work "Materials on Tertiary flora of Armenia." N. G. Gokhtani. *Biol. zhur. Arm.* 19 no. 10 101-104 O '66.

# ARMENIA—PARASITES—HORSEFLIES

Villa ventuosa Lw. (Diptera: Bombyliidae), parasite of larvae and pupae of horseflies (Diptera: Tabanidae) in Armenian S. S. R. V. F. Zaitsev, A. E. Terterian. *Biol. zhur. Arm.* 19 no. 12 84-89 D '66.

# ARMENIA—PARASITES—REPTILES

Materials on blood parasites in reptiles of Armenia. Z. A. Mkrtchian. *Biol. zhur. Arm.* 19 no. 10 92-100 O '66.

# ARMENIA—POLITICS AND GOVERNMENT

Armenian S. S. R. Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Armenian S. S. R., seventh session, December 22, 1965 Verbalin report] *Zasedaniia Verkhovnogo Soveta Armianskoi SSR shestoego sozyva, sed'mala sessiia 22 dekabria 1965 g.* Stenograficheski tchet. Erevan, Izd. Verkhovnogo Soveta Armianskoi SSR, 1966. 204 p.

# ARMENIA—POLYMERS

On the road of technical progress. A. Bard'ian. *Prom. Arm.* 9 no. 11:67-68 '66.

# ARMENIA—RESERVOIRS—MICROBIOLOGY

Hydrochemical conditions and microflora in reservoirs of Armenia. M. I. Gomborian. *Biol. zhur. Arm.* 19 no. 12 77-83 D '66

# ARMENIA—RUSSIAN SOCIAL DEMOCRATIC PARTY

Forming of the Caucasian League of the Russian Social Democratic Party and the merging of the League of the Armenian Social Democrats. K. K. Mamikonian. *Vest. obshchestv. nauk AN Arm. SSR* no. 4:3-9 Ap '66.

# ARMENIA—SALMONELLA INFECTIONS

Toxin infection by *Salmonella zanzibar*. A. O. Mirzabekian, S. T. Mutakhanov. *Vop. pit.* 25 no. 6:71-75 N-D '66.

# ARMENIA—SEPTORIA

Additional data on distribution of *Septoria* species in Armenia. D. N. Teteryukhova-Babian, S. A. Simonian. *Biol. zhur. Arm.* 19 no. 10:3-13 O '66.

# ARMENIA—STONE

Using ultrasonic techniques in artistic treatment of ornamental stones. I. Ter-Azhar'ev, P. Suvanian, V. Urkelevich. *Prom. Arm.* 9 no. 11:56-58 '66.

# ARMENIA—TECHNICAL SOCIETIES

Promoters of technical progress. D. Sahol'. *Prom. Arm.* 9 no. 11:7-8 '66.

# ARMENIA—TECHNOLOGICAL INNOVATIONS

News from plants, factories and construction sites. *Prom. Arm.* 9 no. 11:87 '66.

# ARMENIA—TILES

Facing soundproof tiles made of local raw materials. S. Matirosian. *Prom. Arm.* 9 no. 11:34-37 '66.

# ARMENIA—TOBACCO

Chlorophyll metabolism in tobacco leaves as related to their arrangement levels. N. E. Zakarian. *Biol. zhur. Arm.* 19 no. 12:70-76 D '66.

# ARMENIA—TOBACCO—ANALYSIS AND CHEMISTRY

Monosaccharides and amino acids in tobacco stems during ensiling. V. A. Arutunian, E. Kh. Azartan. *Biol. zhur. Arm.* 19 no. 12:31-38 D '66.

# ARMENIA—TOMATOES

Effect of culture filtrates of some microorganisms on tomato growth. Dzh. G. Abrahamian. *Biol. zhur. Arm.* 19 no. 10 13-50 O '66

# ARMENIA—VINYL POLYMERS

Vinyl acetate in the agenda. M. Romanenko. *Prom. Arm.* 9 no. 11 76-77 '66

# ARMENIA—VOLCANIC ASH, TUFT, ETC —CLASSIFICATION

Classification of Armenian tufts by solid inclusions. A. Drachian. *Prom. Arm.* 9 no. 11 13-15 '66

# ARMENIA—WAGES

Changes and supplements in the regulations on wages and bonuses for workers. *Prom. Arm.* 9 no. 11 79-80 '66

# ARMENIA—WHEAT—FERTILIZERS AND MANURES

Amino acid composition of grain of winter wheat grown in well-fertilized soil. F. S. Avundzhian, A. P. Asmaeva. *Biol. zhur. Arm.* 19 no. 12:21-30 D '66

# ARMENIA IN LITERATURE

[Armenia in Bril'sov's poetry] *Armenia v poezii Bril'sova.* Erevan, Alastan, 1966. 38 p.

# ARMENIAN LANGUAGE—ADJECTIVE

A method to classify the adjective and adverb in the Armenian language. E. B. Mirakian. *Vest. obshchestv. nauk AN Arm. SSR* no. 4 83-90 Ap '66

# ARMENIAN LANGUAGE—ADVERB

A method to classify the adjective and adverb in the Armenian language. E. B. Mirakian. *Vest. obshchestv. nauk AN Arm. SSR* no. 4 83-90 Ap '66.

# ARMORED TRAINS

A battle between an armored train and fascist bombers. A. Kosonogov. *Voen.-ist. zhur.* 9 no. 1:73-74 Ja '67.

# ARMORED VEHICLES, MILITARY

Along military highways (conclusion). N. Stakhov. *Voen.-ist. zhur.* 9 no. 1:63-72 Ja '67.

# ARMS AND ARMOR

Kirpichnikov, A. N. [Ancient Russian weapons] *Drevnerusskoe oruzhie* Moskva, Nauka. Nos. 1-2 1960 2 v. (Arkheologika SSSR, E1-36) (CS-11)

# ARNAUTOV, VASILII VASIL'EVICH, 1892-1966

Vasilii Vasil'evich Arnavtov, an obituary. *Vest. sel'sk. khoz. nauki* 11 no. 12:128 D '66

# AROMATIC COMPOUNDS

Displacement of the p<sub>z</sub>-conjugation in aromatic ethers during complex forming with aluminum bromide. I. P. Romin, F. N. Gur'ianova. *Dokl. AN SSSR* 171 no. 4:877-878 D '66.

Reactions of hydrogen atoms in the system H<sub>2</sub>O + H<sub>2</sub>SO<sub>4</sub> + FeSO<sub>4</sub>. Part 4: Reactions with aromatic compounds. N. M. Bazhin and others. *Kin. i kat.* 7 no. 6:999-1003 N-D '66.

Role of ionic states in photoactivated two-quantum reactions of aromatic compounds at 77° K. B. N. Shil'mov and others. *Dokl. AN SSSR* 172 no. 3 655-658 Ja '67.

# AROMATIZATION

Catalytic dehydrocyclization of alkylbenzenes. A. P. Polakov and others. *Vest. Mosk. un. Ser. 2 Khim.* 21 no. 6: 92-94 N-D '66.

# ARSEN'EV, VLADIMIR KLAVDIEVICH, 1872-1930

With Arsen'ev through the taiga. S. Kumes, kniaz, *torg.* 17 no. 11:33 N '66.

# ARSENIC—ANALYSIS

Extraction determination of arsenic and antimony. K. Minasian. *Prom. Arm.* 9 no. 11:40-42 '66.

# ARSENIC ACIDS—SPECTRA

Vibrational spectra of organoarsenic compounds. Report No. 3: Infrared absorption spectra and Raman spectra of the series of cyclic esters of trivalent arsenic acids. R. R. Shagidullin, T. E. Pavlova. *Izv. AN SSSR, Ser. Khim.* no. 12:2091-2098 '66.

# ARSINE

Synthesis and structure of some arsinimines. B. D. Chernokalski and others. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 9 no. 5:763-774 '66.

# ART

Art life in the Soviet Union. *Iskusstvo* 28 no. 12:76-79 79 '66.

Foreign review. *Iskusstvo* 28 no. 12:73-75 '66.

Mikhailova, A. A. [Conventional nature of art] *O khu - dozhivlennoi uslovnosti.* Moskva, Mysl', 1966. 317 p.

[World history of art in six volumes] *Vseobshchata istoria iskusstva v shesti tomakh.* Red. kollegia: B. V. Vel'marn i dr. Moskva, Iskusstvo.

Vol. 6. Vel'marn, B. V., and I. D. Kolpinski, eds. [Art of the 20th century] *Iskusstvo 20 veka.* Book 2, 1966. 407, cxlv p. illus.

ART—BIBLIOGRAPHY see Bibliography—Art

#### ART—EXHIBITIONS

Young exhibitions V N Loginov Trudy MVKhIPU no 2 204-208 '62.

#### ART, ABSTRACT

Pimenov, I.U.I. [Art of life or art of nothing] Iskustvo zhizni ili Iskustvo nichego. Moskva, Iskustvo, 1960. 57 p. illus. (MIH-FA)

#### ART, AFRICAN

[African art] Iskustvo Afiki. Moskva, Nauka, 1967. 100 p

#### ART, BAROQUE

Institut istorii iskusstv. [The Renaissance, Baroque, and Classicism, the problem of style in West European art of the 15th-17th centuries] Renessans, barokko, klassitsizm: problema stilii v Zapadno-Evropelskom iskusstve XV-XVII vekov. Moskva, Nauka, 1966. 347 p. illus.

#### ART, BULGARIAN

An exhibition of present-day Bulgarian art. I. Volikova Iskustvo 29 no 12 52-56 '66

#### ART, DECORATIVE

(see also subdivision under White Russia)

Photometric methods used in giving works of decorative art. V.N. Gorbachev Trudy MVKhIPU no 2,119-125 '62.

ART, MEXICAN—EXHIBITIONS see subdivision under Moscow

#### ART, RENAISSANCE

Institut istorii iskusstv. [The Renaissance, Baroque, and Classicism, the problem of style in West European art of the 15th-17th centuries] Renessans, barokko, klassitsizm: problema stilii v Zapadno-Evropelskom iskusstve XV-XVII vekov. Moskva, Nauka, 1966. 347 p. illus.

#### ART, ROMANIAN

Alvandu Ciucureanu. I. Melikson. Iskustvo 29 no 12 57-62 '66

#### ART, UKRAINIAN

The "Ten-day Festival of Ukrainian Literature and Art" in Moscow R P Kudan. Sov etn no 2 115-117 Mr-Ap '61

ART AND COMMUNISM see Communism and art

#### ART AND SOCIETY

[Art and the people] Iskustvo i narod. Moskva, Nauka, 1966. 284 p.

ART GALLERIES AND MUSEUMS see subdivision under Lugansk

#### ART OBJECTS—TRANSPORTATION

Protection of containers from molds in transporting museum objects. D.S. Kuritsyna. Vest. Most.un. Ser 6 Biol. pochv. 21 no.5:85-90 S-O '68.

#### ART OBJECTS, BURMESE

Lacquer art objects of Burma. N Ozhegova. Iskustvo 29 no 12 63-67 '66

#### ARTEK (UKRAINE)—PIONEERS (COMMUNIST YOUTH)

Kondraschenko, L.I. Artek. Simferopol', "Krym," 1966. 77 p. illus.

#### ARTEM, 1893-1921

Aslakhova, V.I. [Artem's revolutionary work in 1917 and 1918] Revoliutsionnaya deiatel'nost' Artema v 1917-1918 godakh. Khar'kov, Izd-vo Khar'kovskogo univ., 1966. 176 p.

#### ARTEM ISLAND OIL FIELD—PETROLEUM PRODUCTION

Petroleum production is growing in marine oil field. L Grigorian. Neftnik II no.9 13-9 '66

ARTERENOL see Noradrenaline

#### ARTERIAL GRAFTS

Alloplasty of the arteries with Soviet-made knitted prosthesis A N Filatov and others Khirurgiya 33 no.11 20-24 N '62.

Alloplasty of the large vessels of the extremities. N.I. Krakovskii, V IA, Zolotarevskii Khirurgiya 38 no.11 24-30 N '62.

#### ARTERIES—DISEASES

Arterial dystonia and chronic tonsillitis. R.S. Ivanov. A. K. Listopad. Trudy LPMI 37:39-47 '65.

Basic problems in the clinical aspects of lesions of the large vessels of the head in an early period. L.B. Litvak. Zhur. nevro. i psikh. 62 no 11 1607-1611 '62.

Clinical aspects and pathology of ischemic disorders of the spinal cord. Syndrome of swelling of a spinal artery. O.K. Bogorodinski, R A. Razorenova, A.N. Krivosheina Zhur. nevro. i psikh. 62 no.11 1673-1675 '62

Collateral blood circulation in occlusion of the large blood vessels of the head. Z.I. Lurie, L K Bragina Zhur. nevro. i psikh. 62 no 11 1612-1616 '62

Intravascular phlebography of the lower extremities in disorders of arterial blood flow. A.M. Demutskii, Vost. ient. i rad. II no.6:37-40 N-D '66

Some unresolved problems in the pathogenesis, clinical aspects and treatment of disorders of the large vessels of the head. E.V. Shmidt Zhur. nevro. i psikh. 62 no.11 1601-1606 '62

Treatment of patients with obliterating endarteritis by means of artificial hydrogen sulfide baths from the waste of the by-product coke industry. M.I. Latzenko, V R. Tateiberg-Blank. Vop. kn. fizioter. i lech. fiz. kult. 27 no 6 525-528 N-D '62.

#### ARTERIES—INFLAMMATION

Evaluation of therapeutic effect of tiopaphen in endarteritis obliterans and atherosclerosis by cutaneous thermometry and vascular permeability determination. T.G. Gogotishvili. Sob. AN Gruz. SSR 44 no.3:707-802 D '68

Significance of ophthalmodynamometry in differential sulfide balneotherapy in obliterating endarteritis. A. A. Metodjev. Vop. kn. fizioter. i lech. fiz. kult. 31 no 6:492-196 '66

#### ARTERIOSCLEROSIS

Atherosclerosis in rheumatism G.G. Nepriakhin Arkh. pat. 28 no 12:13-6 '66

Changes in tissue nucleic acid metabolism in experimental atherosclerosis under the effect of hydrogen sulfide baths. Z. A. Sokolova. Vop. kn. fizioter. i lech. fiz. kult. 31 no 6:501-500 '66

Cholesterol and atherosclerosis. A. I. Miasnikov. Kardiologiya 3 no.1:3-7 Jan. -F '63.

Course of experimental atherosclerosis combined with cholelithiasis. K.I. Tsintsadze, D D Tvildiani. Sob. AN Gruz. SSR 27 no.2 225-231 Ag '61

Effect of hydrogen sulfide baths on blood circulation and the processes of functional adaptation in dogs with experimental atherosclerosis. N.K. Chelipkova. Vop. kn. fizioter. i lech. fiz. kult. 31 no 6:497-501 '66.

Effect of nicotinic acid on blood coagulation, blood heparin content and the clearing factor in patients with atherosclerosis. I. L. Gerasimova. Kardiologiya 3 no 1:61-61 Jan. -F '63.

Effect of nicotinic acid on the fibrinolytic activity of the blood in atherosclerosis. M.G. Sherstevskii, Kardiologiya 3 no.1:61-68 Jan. -F '63.

Effect of hyaloidin on cholesterol metabolism in alimentary atherosclerosis in experimental lesions of the liver. L. A. Miasnikov, N.M. Lobova, V A Kiselev. Biol. eksp. biol. i med. 63 no.1:31-34 Ja '67.

Evaluation of therapeutic effect of tiopaphen in endarteritis obliterans and atherosclerosis by cutaneous thermometry and vascular permeability determination. T.G. Gogotishvili. Sob. AN Gruz. SSR 44 no 3:747-802 D '66

Hemorrhages in atherosclerotic plaques of arteries as one of the factors in the development of atherosclerosis. A.M. Viskert, A.T. Usalukov. Kardiologiya 3 no.1:11 Jan. -F '63.

Use of aironid in the treatment of coronary atherosclerosis. V.S. Zadachchenko. Sov. med. 30 no.1:77-81 Ja '67.

#### ARTHRITIS

Changes in the duration of the phases of cardiac systole in infectious nonspecific polyarthritis V.M. Chelpoi. Sov. med. 20 no.10 24-27 O '66

Diagnosis and treatment of acapulohumeral periarthritis. N.I. Nikolaeva. Trudy Turk. nauch. -issl. inst. kim., kur. i fiz. metod. lech. 8:42-53 '65.

Effect of Chukhuryud hydrogen sulfide baths on the morphology of blood in polyarthritides of various etiology. A.I. Dulatova. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 106-111 '62

Mechanism of the effect of the TSKhatubo baths on basal metabolism and the indices of external respiration in patients with infectious nonspecific polyarthritides. L. M. Dzidzigiuri. Sob. AN Gruz. SSR 26 no.6:739-745 Je '61.

Osteoporosis in infectious nonspecific polyarthritides. I.U.S. Khomikov. Vest. ient. i rad. II no.6:20-34 '66.

#### ARTHRITIS, RHEUMATOID

Correlation of rheumatoid arthritis and rheumatism. N.I. Vinogradov. Trudy LPMI 37:166-170 '65.

Diagnosis of rheumatoid arthritis. N.I. Vinogradov. Trudy LPMI 37:77-85 '65.

Effect of Chukhuryud hydrogen sulfide baths on chloride metabolism and the hydrophilicity of tissues in infectious polyarthritides of obscure etiology. E.M. Kiamiti. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no.6 178-184 '62.

Effect of Chukhuryud hydrogen sulfide baths on the catalase and peroxidase activity of the blood in polyarthritides. A.Z. Babayev and others. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no.8:159-162 '62.

Effect of Chukhuryud hydrogen sulfide baths on the course of chronic infectious polyarthritides taking into account the changes of the potassium and calcium levels in the blood. R.A. Khativadze, L.L. Khativadze. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 163-168 '62

Effect of Chukhuryud hydrogen sulfide water on calcium-hydrate metabolism in chronic polyarthritides of various etiology. R.A. Khativadze. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 179-185 '62

Effect of Chukhuryud hydrogen sulfide water on the course of chronic metabolism in polyarthritides of various etiology. Report No.1 (Observation data of 1955-57. S.G. Agaeva. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 182-183 '62

Effect of Chukhuryud hydrogen sulfide water on the course of chronic metabolism in polyarthritides of varied etiology. Report No.2 (Observation data of 1955-57. S.G. Agaeva. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 184-188 '62

Effect of the "Bado" hydrogen sulfide baths of Chukhuryud on the vitamin C content of the blood in polyarthritides. Sh. M. Gerasimov, A.Z. Babayev, I. L. Khativadze. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no.6 156-158 '62

State of the vegetative nervous system in infectious polyarthritides under the influence of Chukhuryud sulfide baths. L.B. Khativadze. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 189-190 '62

Treatment of chronic infectious polyarthritides with Chukhuryud hydrogen sulfide baths. P. M. Khativadze. Shor. trud. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no 6 172-177 '62

Treatment of patients suffering from Uroav (Kandak-Beck) disease at the "Yamkun" health resort. I. I. Kravchenko. Vop. kn. fizioter. i lech. fiz. kult. 31 no.6 528-534 N-D '62.

ARTIFICIAL DIAMONDS see Diamonds, Artificial

#### ARTIFICIAL FUR

Insulating properties of artificial knitted woolen fabric for types II, V, Ignatov. Kozh. oshch. pozh. 3 no 1:1-17 D '66.

ARTIFICIAL ISLANDS see subdivision under Azerbaijan, Caspian Sea

ARTIFICIAL LEATHER see Leather, Artificial

#### ARTIFICIAL LIGHT GARDENING

Programmed device for the control of light conditions in plant growing. P.A. Degtyarev. Biol. nauch. i tekhn. inform. po agron. fiz. no.8/11 111-115 '60.

#### ARTIFICIAL SATELLITES

The "Life of satellites." V. Barykin. Agitator 31 no.2:52-53 Ja '67

#### ARTIFICIAL SATELLITES—CONTROLS

Controlling artificial earth satellites in flight. A. A. Samoilov. Av. i kosm. no.1:51-79 Ja '67.

#### ARTIFICIAL SATELLITES—ORBITS

Approximate analytic representation of spatial motion in the problem. A A Orlov. Biol. inst. teor. i prikl. 10 no.5 360-378 '64.

Effect of aerodynamic braking on the motion of a satellite relative to the mass center. Nauk. inst. fiz. i mat. teor. i prikl. 10 no.5 321-331 '65

Effect of braking forces on the motion of a satellite relative to the mass center. Nauk. inst. fiz. i mat. teor. i prikl. 10 no.5 317-331 '65

Single-impulse problem of aircorrection, when the instant of the rendezvous is fixed. K.V. Khokhlov. Biol. inst. teor. i prikl. 10 no.5 313-359 '65.

Stability of the orbital motion of a satellite in the gravitational field of a nonuniform planet. K.V. Khokhlov. Biol. inst. teor. i prikl. 10 no.5 312-312 '65.

#### ARTIFICIAL SATELLITES—SCIENTIFIC APPLICATIONS

Measurements of 1-5 Mev. protons of solar origin by the Venera-2, Venera-3, and Zond-3 stations. A. I. Vernov and others. Dokl. AN SSSR 171 no 1 811-816 D '68.

#### ARTILLERY

Says the fire commander's title. I. Golubev. Voen. vest. II no.6:83-84 Je '61.

#### ARTILLERY—PROBLEMS, EXERCISES, ETC.

Answers to problems published in No.2 of "Voenyi vestnik." Voen. vest. II no.6:84 Je '61.

#### ARTILLERY, COAST

Porochnev, I.U.G., and I.U.A. Vinogradov. [Guarding the sea horizons] Na strazhio morskikh gorizontov. Moskva, Voenizdat, 1967. 303 p.

#### ARTILLERY, FIELD AND MOUNTAIN

Artillery division in an attack from the march. N. Golubev. Voen. vest. 41 no.6:42-41 Je '61.  
Testing the sighting mechanism by a rapid method. A. Rozhik. Voen. vest. 41 no.6:107-109 Je '61

# ARYAN LANGUAGES—TENSE

Original function of the Indo-Iranian perfect. I. A. Petukhov. Vop. i. v. no. 192-193 J1-F '67

ASBESTOS see subdivision under Soviet Central Asia

ASBESTOS-CEMENT PIPE see Pipe, Asbestos-cement

## ASCARIDS AND ASCARIASIS

Effect of salts (Na<sub>2</sub>, Mg, NH<sub>4</sub> and Br) of β-hydroxyphenolic acid on glucose consumption in *Ascaris suum* Goetze, 1962. M. Lazdinis, I. A. Pashkova. Med. paraz. i parazit. bol. 35 no. 6:732-733 N-D '66

Problem of the sharp decrease of incidence of ascariasis in the U.S.S.R. I. S. Shulman. Med. paraz. i parazit. bol. 35 no. 6:661-666 N-D '66

## ASCOCHYTA

Evaluating the resistance of chikopea to ascochyta blight. R. G. Vedyshcheva. Vest. sel'khoz. nauk. 11 no. 12:109-111 D '66

Use of systemic substances as a means for ridding peas of ascochyta blight. N. N. Khmel'. Trudy KHSKH 56 94-101 '66

## ASCORBIC ACID

Effect of nitrogen fertilizers on the accumulation of vitamin C in plants. A. A. Antimov. Uch. zap. GGU no. 50:28-31 '64

Effect of the "Beds" hydrogen sulfide baths of Chukhuryan on the vitamin C content of the blood in polyarthritides. Sh. M. Gasanov, A. Z. Babayev, I. L. Kravets. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 6:156-158 '62

Quantitative determination of halides in the presence of ascorbic acid. P. P. Suprun. Farmatsev. zhurn. 17 no. 2, 11-35 '62

## ASCORBIC ACID—THERAPEUTIC USE

Results of using thioctane and galascorbin for the treatment of epidemic hepatitis. L. B. Romanova and others. Sov. med. 10 no. 1:88-89 Ja '67

## ASCORBIC ACID, EFFECT OF RADIATION ON

Stability of water solutions of nicotinic and ascorbic acids during irradiation with penetrating doses of gamma rays. M. M. Filippov, A. I. Chugunov, T. I. Timova. Kona. i ov. prom. 22 no. 10-19 Ja '67

## ASCORBIC ACID METABOLISM

Biochemical and biochemical study of ascorbic acid in experimental allergy. V. P. Nefedov. Arkh. pat. 28 no. 12:53-56 '66

Biochemical study of ascorbic acid in turkey intestines as related to age. G. S. Klok, A. L. Gritsenko. Arkh. anat., hist. i emb. 81 no. 10:116-118 O '66

## ASH (TREE) see subdivision under Crimea

## ASHES (FERTILIZER)

Dynamics of ash content in some forest and introduced woody plant seedlings in the course of a year. A. A. Novikova. Vest. AN BSSR. Ser. biol. i. v. no. 1:29-35 '66

## ASHKHAZAD—MEAT INDUSTRY—HYGIENIC ASPECTS

Material of neurological examination of workers of Ashkhabad Meat Combine. L. M. Sultanova, R. P. Poslavskii. Trudy Turk. nauch.-issl. inst. filol., kur. i fr. metod. lech. 8:134-139 '65

## ASIA—FOREIGN RELATIONS—RUSSIA

From the history of the awakening of the East (to be continued). I. Andronov. Nov. vrem. 25 no. 9:11-15 F '67

From the history of the awakening of the East (to be continued). I. Andronov. Nov. vrem. 25 no. 10:8-9 M '67

## ASIA, CENTRAL—CHRISTIANITY

History of Christianity in Central Asia. I. P. Patrashovskii. Palest. sbor. no. 15:141-147 '66

## ASIA, CENTRAL—HISTORY

The work of the "History of Central Asia" Section at the 25th International Congress of Orientalists. L. F. Monogayeva. Sov. ein. no. 2: 110-121 Mr-Apr '61

## ASIA, CENTRAL—XENOTIME

Xenotime from the hydrothermal ores of Central Asia. V. N. Zuev, A. V. Kosterin. Trudy Min. muz. no. 12 208-211 '61

## ASIA, CENTRAL—YTROFLUORITE

Yttrifluoric from deposits in Central Asia. V. N. Zuev, A. V. Kosterin. Trudy IGRE no. 4:136-138 '60

## ASIA, SOUTHEASTERN—CATHOLIC CHURCH

Berzin, E. O. [Catholic Church in Southeast Asia] Katolik-cheskaya tsurkov' v Yugo-Vostochnoi Azii. Moskva, Nauka, 1966. 310 p.

## ASIA, SOUTHEASTERN—POLITICS

What is happening in Cambodia, Thailand, and Laos. I. Urtsov. Agitator 34 no. 4:50-61 F '67

## ASIA, SOVIET CENTRAL see Soviet Central Asia

## ASIA MINOR—CUNEIFORM INSCRIPTIONS

The "abunimimim" of "Cappadocian" tablets. G. G. Glogadsk. Vest. d. i. v. no. 4:81-84 '60

## ASPEN—GENETIC RESEARCH see subdivision under Novosibirsk Province

## ASPERGILLUS see subdivision under Ukraine

## ASPERGILLUS—CULTURES AND CULTURE MEDIA

Culturing the fungus *Aspergillus oryzae* on ground material. V. N. Gulyaev, V. P. Potolzhinskii. Kona. i ov. prom. 21 no. 12:10-12 D '66

Effect of the pH value on the vital activity of the acid-producing fungus *Aspergillus niger*. G. I. Zhuravskii. Trudy VNIH no. 17:122-113 '66

Nitrogen nutrition of the acid-producing fungus *Aspergillus niger*. O. F. Terent'eva. Trudy VNIH no. 17 120-122 '66

Toxicity of lead to *Aspergillus niger*. I. V. Zlochevskaya, I. L. Rubatnova. Mikrobiologiya 35 no. 6:1041-1052 N-D '66

Use of the mycelium as inoculum in submerged cultivation of mold fungi for the accumulation of peptolytic enzymes. L. A. Khachatryan, A. L. Malchenko. Trudy VNIH no. 33 no. 110-12 '67

## ASPERULOSIDE

Phytochemical study of the Russian bedstraw (*Galium ruthenicum*) Report No. 1. M. I. Borysov, I. U. Boyslyuk. Farmatsev. zhurn. 18 no. 3:43-17 '63

## ASPHALT CONCRETE

Automated asphalt concrete plant with a D-225-type mixer. A. G. Guse'kov. Avt. dor. 24 no. 11:8-9 N '61

## ASPHYXIA

Methods of determining time of asphyxia in fish. A. V. Potov. Trudy Inst. biol. vnutr. vod. no. 10:341-345 '66

## ASPHYXIATING AND POISONOUS GASES see Gases, Asphyxiating and poisonous

## ASSEMBLY—LINE METHODS

Benefits of the industrial method. S. Shapovalov. Nar. khoz. Kazakh. 21 no. 12:64-65 D '66

Compactness, economy, high quality; manufacture of precast structural elements on horizontal conveyor lines with piles of thermoform molds. N. A. Smirnov, L. N. Chumakov. Stroitel' arkh. i. v. no. 5:21-21 My '66

Continuous construction methods in building housing complexes. G. I. Zolotarev. Nauch. i. v. no. 12:16-17 D '66

Continuous lines for the baking and confectionery industries of socialist countries. N. L. Moroz. Khleb. i kond. prom. 10 no. 12:40-42 D '66

Conveyor manufacture of wall panels. M. I. Aiane, B. S. Levinov. Stroitel' nauch. i. v. no. 6:10-22 '66

Dynkin, A. I. [Equipment and conveying machinery for assembly-line production of glued footwear, textbook] Osnovaniya i transportnye ustroystva na potoke proizvodstva kleevoy obuvi, uchebnoe posobie Moskva, Legkaya Industriya, 1966. 43 p

[MICROFILM]

Inclined conveyor sorting platforms of packing lines. N. E. Novikov, M. V. Levov. Bum. prom. no. 12:15-19 D '66

Kogon, M. G., K. N. Svidler, and M. E. Parvits. [Digital control computers for automatic addressing of freight] Upravlyashchie tsifrovye mashiny dlia avtomaticheskogo adresovaniia gruzov. Moskva, Mashinostroenie, 1966. 152 p

Pichugin, A. I. [Mechanized assembly technology for manufacturing reinforcement elements and its efficiency] Potokno-mekhanizirovannaya tekhnologiya izgotovleniya armaturnykh elementov i ee effektivnost' Moskva, Stroizdat, 1965. 47 p.

[MICROFILM]

Repairing D-1252 excavators by assembly unit method. V. G. Taits. Transp. stroit. 16 no. 2:28-30 F '66

Something new in manufacturing prestressed structural elements. V. F. Sheriakov. Stroitel' arkh. i. v. no. 5:26-27 My '66

Standard and guiding materials on general machinery manufacture. M. Bluvshstein. Inform. blul. VDNKH no. 12:8-10 D '66

Suctional columnar cleaner for cleaning grain in continuous operation. F. Mironenko. Muk. elev. prom. 26 no. 4:25-26 Ap '60

Shapenskiy device for the assembly of the refrigerating unit of a household refrigerator. F. V. Il'yushchenko. Khim. tekhn. 43 no. 12:36 '66

Universal line for the production of cookies. V. D. Gnatiuk. Khleb. i kond. prom. 10 no. 12:38-39 D '66

## ASSUAN DAM see Aswan Dam

## ASSYRIANS

Assyrians of Turkey and Iran during the First World War. L. M. Sargisov. Vost. obozret. nauk AN Arm. SSR no. 4:73-82 Ap '68

## ASTHENIA

Review of B. S. Baidas' book "Asthenic states." P. M. Zinov'ev. Zhur. nev. i psikh. 62 no. 11:1740-1741 '62

## ASTHMA

Physical therapy in the compound treatment of bronchial asthma patients. E. I. Rialukha. Vop. biol. fiziol. i lech. fiz. kult. 27 no. 6:531-538 N-D '62

## ASTRAKHAAN—ADULT EDUCATION

In search of new forms. M. Miroslimov. Mol. komm. no. 6:105-106 Je '61

## ASTRAKHAAN—SHIPYARDS

We are preparing for work under new conditions. G. Takhov. Ryb. khoz. 43 no. 1:77-78 '67

## ASTRONAUTICS

(See also subdivision under United States)

Echo of the cosmic five-year plan. Mol. komm. no. 4 22-27 '66

The first group flight in space. B. Koltovoi. Agitator no. 17-9-12 S '62

"Soviet man, the first cosmonaut." Voen. vest. 11 no. 6:124-125 Jr '61

## ASTRONOMICAL PHOTOMETRY see Photometry, Astronomical

## ASTRONOMY

Bakulin, P. I., E. V. Kononovich, and V. I. Moroz. [Course in basic astronomy] Kurs obshchei astronomii Moskva, Nauka, 1966. 527 p

[The earth and the universe] Zemlia i Vselessnaia Moskva, Znanie, 1966. 285 p.

## ASTRONOMY—ELECTRONIC EQUIPMENT

Servo systems with spherical coordinate converters for applications in astronomy. V. P. Egorov. Sbor. rab. po vop. elektromekh. no. 4:174-188 '60

## ASWAN DAM

Water transportation of the runners of hydraulic turbines for the High Aswan Dam in the United Arab Republic. M. I. Gal'perin. Energomashinostroenie 12 no. 11:48-19 N '66

## ATATURK, KAMAL, d. 1938

Ataturk, Kamal. [Selected speeches and public addresses. Translated from Turkish] Izbrannyye rechi i vystupleniya. Red. i vstup. stat'ia A. F. Mil'ton. Moskva, Progress, 1966. 438 p.

## ATHEISM

(See also subdivision under Armenia, Lithuania, Mari A. S. S. R.)

Atheism from School No. 500. S. Boguslavskii. Sem'ia i shkola 22 no. 1:32-33 Ja '67

Oleschuk, F. N. [Lenin and scientific atheistic propaganda] Lenin i nauchovo-atelistsychna propaganda Kyiv, Vydvo polit. lit-ry Ukrainy, 1955. 66 p

(CNOTU)

Soviet law in the struggle for the liberation of man from the tenets of religion. A. A. Puzakov. Trudy Irp. un. 38 no. 4:135-151 '65

Using the various forms and methods of atheistic propaganda. V. P. Aizamazov. Trudy Irp. un. 38 no. 4 155-163 '65

Veliboggs, J. [Old Testament in the light of contemporary science] Veka drevnia mudienu zinatnes skatijuna Riga, Liesma, 1960. 193 p. [In Latvian]

We should struggle for each person. D. Zaitseva. Bibliotekar' 44 no. 2:23-24 F '67

## ATHEISM—BIBLIOGRAPHY see Bibliography—Atheism

## ATHEISM—STUDY AND TEACHING

The place and role of Soviet school in the atheistic education of workers. I. M. Furman. Pyt. atez. no. 1:142-149 '65

Sivokhina, T. A. [From seven to seventeen] Ot semi do semnadtsati. [Moskva] Mosk. rabochii, 1967. 86 p.

The struggle against the influence of religious ideology and some problems relating to atheistic education in schools. A. I. Abdusamedov. Nauch. trudy TashOU no. 279:110-131 '65

## ATLANTIC OCEAN—FISHERIES

Kuz'michev, A. B. [Fisheries in northwestern Atlantic; a review] Rybolovstvo v Severo-Zapadnoi Atlantiko, obzor. Moskva, VNIRO, 1965. 41 p

[MICROFILM]

## ATLANTIC OCEAN—MARINE SEDIMENTS—MAGNETIC PROPERTIES

Magnetic properties and composition of sedimentary deposits in equatorial Atlantic. T. S. Lebedev and others. Geofiz. sbor. no. 17:3-31 '60

## ATLANTIC OCEAN—OCEANOGRAPHY

Relationship between distribution of tuna concentrations and oceanological water structure in some regions of the tropical part of Atlantic Ocean. V. L. Zharov. Trudy VNIRO 60:135-143 '66



## ATLANTIC OCEAN—PARASITES—FISHES

*Proboliuma callorhynchii*, a new trematode species, parasitizing on deep-sea fish (*Callorhynchus capensis*). A. M. Pavlovskii, Gidrobiol. zhurn. 2 no. 6:62-63 '66

## ATLANTIC OCEAN—TREMATODA

*Proboliuma callorhynchii*, a new trematode species, parasitizing on deep-sea fish (*Callorhynchus capensis*). A. M. Pavlovskii, Gidrobiol. zhurn. 2 no. 6:62-63 '66

## ATLANTIC OCEAN—TUNA

Relationship between distribution of tuna concentrations and oceanological water structure in some regions of the tropical part of Atlantic Ocean. V. L. Zhurav. Trudy VNIRO 60:135-142 '66

## ATLANTIC

Atlantic in the Mediterranean Sea. A. I. Hybin. Priroda no. 1:118-120 Ja '67.

**Zajdel, Ludwik** [Atlantic. Translated from Polish] [Atlantida. Pod red. N. F. Zhurova. Posleslovie O. K. Leont'eva. Moskva, Mh, 1966 342 p]

## ATMOSPHERE

(see also subdivision under GAZI region, Uzbekistan, Tien Shan)

Current state of experimental studies of mountain lee waves and some recommendations for their diagnosis and prognosis. P. A. Vorontsov. Trudy GGO no. 189:3-23 '66.

Studying atmospheric layer on water surface using acoustical and heliographic. I. U. S. Dovgaluk. Trudy GGO no. 189:87-91 '66.

**ATMOSPHERIC ELECTRICITY** see subdivision under Balkal, Lake

## ATMOSPHERIC PRESSURE

(see also subdivision under Balkal Lake region) Methodology for determining characteristics of pressure tendency at automatic hydrometeorological stations. E. N. Shadrina. Trudy GGO no. 189:181-189 '66

Some results of operative short-range forecasting geopotential based on exact equations for two levels of atmosphere. S. A. Bortnikov. Trudy MMTS no. 14:10-13 '66.

## ATMOSPHERIC TEMPERATURE

(see also subdivision under Akhangaran region, Uzbekistan, Azerbaijan; GAZI region, Uzbekistan, Kamchatka, Orei region; Pacific Ocean, Soviet Central Asia, Tajikistan)

Dependence of integral function of atmospheric transfer on black radiation temperature. B. Sh. Beritashvili, A. M. Brounshstein, K. V. Kazanova. Trudy GGO no. 184:22-30 '66

Determining extreme significances of atmospheric temperature by means of automatic hydrometeorological stations. E. N. Shadrina. Trudy GGO no. 189:189-194 '66

Estimated outdoor temperatures. E. S. Rubinshtein, M. M. Shatskii. Prom stroi. 39 no. 12:55-59 '66.

Structure of thermalis according to observations by glider pilots. K. I. Shashkov. Trudy GGO no. 184:54-63 '66.

Phonorecording device for studying lower 500-meter layer of atmosphere. I. A. Fomichev, I. A. Kurpachov, V. F. Psatomstchikov. Trudy GGO no. 189:94-100 '66.

## ATMOSPHERIC TRANSPARENCY

Variation of lower boundaries of stratus clouds and its effect on atmospheric transparency on the earth. A. V. Dunaeva. Trudy GGO no. 184:48-64 '66

Variety of atmospheric transparency in formation and dissipation of fog. E. N. Dovgiatto. Trudy GGO no. 184:41-43 '66

## ATMOSPHERIC TURBULENCE

Study of atmospheric turbulence using gliders. P. A. Vorontsov, M. A. German. Trudy GGO no. 189:24-37 '66.

## ATOMIC BOMB SHELTERS

A cellar is also a shelter. N. Smeian. Voen. znani. 43 no. 1:28 Ja '67.

Little of one visual reconnaissance... V. Chumakov. Voen. znani. 43 no. 1:20-21 Ja '67

## ATOMIC MASS

Energies of isobaric and isotopic transitions and new nuclear mass formula. N. N. Kolesnikov. Vest. Mosk. un. Ser. 3: Fiz. i astron. 21 no. 6:276-87 N-D '66.

## ATOMIC NUCLEI see Nuclei, Atomic

## ATOMIC WEAPONS see subdivision under Great Britain

## ATOMIC WEAPONS—COSTS see subdivision under United States

## ATOMIC WEAPONS—INTERNATIONAL CONTROL

Feigned "fears" of Bonn. V. Berezikov. Nov. vrem. 25 no. 10:18 Mr '67.

## ATOMS

A nuclear alphabet. V. Shcherbakov. V mire knig 6 no. 6:11 Ja '68.

## ATTACK AND DEFENSE (MILITARY SCIENCE)

Battalion holds the base of operations. Voen. vest. 41 no. 6:61-62 Ja '67

Overcoming a hastily occupied defensive position. Voen. vest. 41 no. 6:27-31 Fe '67

## ATYASHEVO DISTRICT—STOCK AND STOCKBREEDING

Statistics of the five-year plan. T. Kargun, A. Naumkin. Zakup. sel'khoz. prod. no. 12:33 D '66.

## AUDIO-VISUAL EDUCATION

Synthesis of the arts during Russian literature classes. A. V. Shchereleva. Vuch. sred. shkola 9 no. 5:11-13 S-O '66.

## AUDIOMETRY

Types of audiometric curves in the light of indications for operation on the stapes in otosclerosis. V. A. Gukovich, Zhurav. zhurn. 19 no. 4:26-30 11-Ag '66

## AUDITING AND INSPECTION

(see also subdivision under Estonia)

Analysis of the distribution of the wage fund in construction. P. Kuz'yan. Bukh. uch. no. 12:46-47 D '66.

Auditing of reports and balances in the conditions of the economic reform. I. Belobzhetskii. Fin. SSSR 41 no. 1:60-64 Ja '67

Economic reform and current problems of the course on the "Economic analysis of the operations of industrial enterprises." I. P. Chukin. Bukh. uch. no. 12:48-51 D '66.

On document inspections. V. Valotov. Bukh. uch. no. 12:41-46 D '66

## AUDITORIUMS—DESIGN AND CONSTRUCTION see subdivision under Leningrad

## AURANTIN

Cytochemical and morphological characteristics of developing cortical neurons in normal white rat and after injection of aurantin. I. I. Korochkin and others. Arkh. anat., gist. i embri. 51 no. 10:82-88 O '66

Cytophotometric and interferometric study of extraorbital gland in rats following inhibition of ribosomal RNA synthesis by aurantin. N. V. Nicheva, V. N. Aizygun. Arkh. anat., gist. i embri. 51 no. 10:87-91 O '66

## AURORAS see subdivision under Lazarev Station, Antarctica

## AUSTRIA—RAILROADS—DESIGN AND CONSTRUCTION

Building new railroads in Africa and Australia. Transp. stroi. 16 no. 4:56-57 Ap '66.

## AUSTRIAN STATESMEN see Statesmen, Austrian

## AUTHORS—CORRESPONDENCE, REMINISCENCES, ETC.

Turgenev, I. S. [Complete collected works and letters in twenty-eight volumes. Letters in thirteen volumes] Polnoe sobranie sochinenii I. S. Turgeneva v dvadtsati vos'mi tomakh. Pis'ma v trindtsati tomakh. Moskva, Nauka. [Letters] Pis'ma. Vol. 12. Book 1. 1876-1878. 1966. 756 p.

## AUTOBIOGRAPHIC FICTION see Fiction, Autobiographic

## AUTOCLAVES

Ceramic tiles for the lining of digesters. R. K. Kordon-skata. Bui. prom. 37 no. 5:15-18 My '62

Interlocking the bayonet catches of autoclaves with the steam supply device. I. A. Golub. Stroi. mat. 7 no. 12:28-30 D '61.

## AUTOMATA

Agur, Ustus. [Men and automata] Intressed in automata. Agur, Ustus. Valgus, 1966. 162 p. [In Estonian]

Determining the regularity of an automaton from its canonical equations. B. M. Kless, V. A. Malyshev. Dokl. AN SSSR 172 no. 3:543-546 Ja '67.

## AUTOMATIC CONTROL

Algorithm for modeling the operation of a rotary line by an electronic computer. A. Akhmedov. Vest. Mosk. un. Ser. 1, Mat., mekh. 22 no. 1:35-39 Ja-F '67.

Algorithms for controlling movements of track-laying coal cutter-loaders in vertical direction. V. A. Ul'yanin. Izv. vuzov. mash. i gor. zhur. 10 no. 1:152-156 '67.

Analysis of the stability of an automatically controlled municipal gas network. D. B. Baranov, Prikl. inst. vyk. gazu v kom. hosp. ta. prom. AN URSS 7:3-12 '59.

Analytical determination of bifurcation values of automatic control system parameters of diesel locomotives. hydraulic transmissions. I. F. Pushkarev, V. I. Lobanov. Sborn. trud. LIZHT no. 232:30-43 '64.

Andimov, N. G., and A. N. Smirnov. [Experience in the construction of remote control lines and installation of automatic control systems] Opyt stroitel'stva linii telemekhaniki i montazha avtomaticheskikh linii, Bashkirekoe knizhnoe izd-vo, 1965. 140 p.

Apparatus for automating simultaneous turns of blades in guiding devices on VTSD fans. V. S. Pak and others. Gor. elektromekh. i avtom. no. 1:87-89 '65.

Automatic control and regulation of pneumatic conveying machinery. B. Maksimchuk, A. Zhuravlev, N. Starikov. Muk. -elev. prom. 26 no. 4:19-21 Ap '60.

Automatic control of safety should operate infallibly. A. D. Makarov. Berop. trudy v prom. 11 no. 1:26-27 Ja '67

Automatic control of the fuel feed in an open-hearth furnace. V. B. Modylovskii. Stal' 21 no. 10:10-1011 N '61.

Automatic control of the mobility of concrete. A. I. Dorosov, N. I. Solodov. Trudy NIIZHB no. 10:1-33 '61

Automatic control of the processes of coal preparation in heavy mediums. A. Z. Kulshrenko, A. S. Ibratimov, I. A. Gridin, Kok. i khim. no. 5:3-4 '62

Automatic control system for the boiler unit on the vessel "Sovetskaya Ukraina." M. Sh. Shiffrin, L. G. Zhigiev. Sudostroenie 27 no. 1:31-33 Ja '61.

Automatic temperature regulation in studying plugging and clay muds. A. F. Volkovich. Neft. i gaz. prom. no. 5:23-25 S-O '66

Automating rotary bucket excavators. V. I. Stepanovich, I. U. G. Vennin. Gor. elektromekh. i avtom. no. 1:10-11 Jul '65.

Automation of skip hoisting with asynchronous drive at the No. 19 Coal Mine of "Kuznetskougol." V. I. Rybalko and others. Gor. elektromekh. i avtom. no. 1:12-13 '65

Calculating automatic control systems for pump engines. I. G. Sergeev. Vest. TSNIIMPS 25 no. 8:18-19 '61.

Calculating capacitance stabilization in electric drives with electromechanical control. A. A. Ivanov, A. N. Mariuta, I. I. Poltava. Gor. elektromekh. i avtom. no. 1:34-38 '65

Calculation and simulation of the automatic control of the mass level and air condition in a gasifier. I. Kh. Tishchenko, V. A. Lazareva, B. I. Izhmakh. Bumagodel. mash. no. 13:75-93 '65.

Calculation of the work hours of compressors under conditions of automatic operation. V. A. Tikhonov, A. A. Chistakov. Khim. tekhn. 43 no. 12:19 N '66.

**Chekh, Ian.** [Semiconductor control scheme of a scanning device for spark chamber films] Poluprovodnikovaya skema upravleniya priborom dlia prosmotra plamki s iskrovymi kamerami. Dubna, 1967. 4 p.

Considering nonlinearity in the proportional-plus-integral controller of speed of direct internal combustion engines. F. F. Sabunov. Sborn. trud. LIZHT no. 232:67-70 '64

Control of the drawing mechanisms under nonstationary conditions of the drawing of textile fibers. A. S. Molchanov, M. I. Kuntin. Nauch. i issled. trudy TSNIIV 21:12-21 '66.

Controlled gas unit. A. S. Molchanov, I. A. Rebarov. Nauch. i issled. trudy TSNIIV 21:7-11 '66.

Designing of optimal ship control systems using electronic computers. I. R. Fichtel'man, I. A. Zhelev, I. I. Chistakov. Khim. tekhn. 43 no. 13:37 Ja '67

Device for regulating the speed of inclining the table of a pouring machine. Stal' 21 no. 13:977-978 N '64

Digital analogs. B. L. Ermolov. Sborn. rab. po pov. elek. tekhn. no. 1:202-219 '60.

Dispatching system of a trust. S. Volosin. Ekonomika 9 no. 1:28-30 Ja '67.

Dual control of distributed objects in discrete continuous systems. V. P. Zhigvogradov. Izv. AN SSSR no. 2:25-33 S-O '66.

Dynamics of the control of automated electric drives of papermaking machines. B. M. Shadrin. Bui. prom. i mash. no. 13:158-176 '65.

Dynamics of the controlling channel of drawing mechanism during fiber deformation in the drawing process. A. S. Molchanov. Nauch. i issled. trudy TSNIIV 21:23-20 '66.

Frequency method for studying systems with variable parameters. I. U. Borodin, A. B. Kozlov. Elektr. i chestvo no. 1:30-41 Ja '67.

A high-frequency method for contactless measurement of coal band thickness. G. R. Novos. Gor. elektromekh. i avtom. no. 1:52-61 '65.

Influence of selecting the point of measuring controlled values on stability of directed motion of an automating machine. I. A. Sholikhin, I. V. Kuplenko, Khim. elektromekh. i avtom. no. 1:115-119 '65.

Investigating automatic control system of stepped hydraulic transmission of diesel locomotive using electronic modeling installation. I. F. Pushkarev. Sborn. trud. LIZHT no. 232:44-69 '64.

**Karlik, V. A.** [Automatic control of steelmaking in oxygen-blown converters] Avtomatizatsiya protsessa stali v kislorodnykh konvertirovnykh. [Moskva, Metallurgiya, 1967] 282 p.

Kryptofurnace as an object of control. S. A. Zakharenko. Ogneprom 31 no. 12:18-22 D '66.

Majority function for continuous quantities. M. A. Reverb. Dokl. AN SSSR 171 no. 4:814-816 D '60.

Mathematical description of the unsteady motion of the paper sheet on the papermaking machine and the effect of the speed of its sections. A. I. Shustov. Bumagodel. mash. no. 13:140-167 '65.

Mechanical properties of paper on the machine and determination of the required static perfection in controlling the speed of the electric drive of machine sections. A. D. Shustov. Bumagodel. mash. no. 13:121-145 '65.

Mechanization and automation of industrial processes on surface receiving platforms of auxiliary hoisting. M. A. Kozlov. Sborn. nauch. trud. TSNIIV no. 10:162-169 '66.

## AUTOMATIC CONTROL (Continued)

- Method for approximate calculation of the adjustment of automatic evening. A. S. Molchanov. Nauch.-issl. trudy TSNII.V. 22:78-88 '66.
- Method for the approximation of a random vector function. T. S. Khatashvili. Fizicheskaya i matematicheskaya kibernetika no. 5:73-71 5-O '66.
- Mozgalevskii, A. V., and others. [Automatic flaw detection] Avtomatizatsiya i telemekhanika. Pod red. A. V. Mozhayevskogo. Leningrad, Mashinostroenie, 1967. 262 p.
- New electric equipment sets for automatic drive of coal mine hoisting installations. V. M. Golitsyn, I. G. Hozriak, Ugol' 42 no. 1:36-37 Ja '67.
- One algorithm for setting up simple tests. E. Sh. Kopyanov. Diskanal, no. 8:13-18 '66.
- Optimization of the process of controlling a group of similar objects. E. I. Galyuk, A. S. Molchanov. Nauch.-issl. trudy TSNII.V. 21:187-191 '66.
- Transferable transfer functions of the driving mechanisms. A. S. Molchanov. Nauch.-issl. trudy TSNII.V. 21:130-35 '66.
- Photoelectric system for the automatic control of telescopes. P. V. Nikolaev. Sbornik po vop. elektromekhn. no. 1:189-201 '60.
- Possibility of the use of optimizing control methods for drawing mechanisms. A. S. Molchanov. Nauch.-issl. trudy TSNII.V. 22:58-69 '66.
- Principal problems concerning the automation of the electric drives of large telescopes. M. A. Sabinin. Sbornik po vop. elektromekhn. no. 4:167-171 '60.
- Programmed device for the control of light conditions in plant growing. P. A. Degtiarov. Biol. nauch.-tekh. inform. po agrii. no. 8:9-111-115 '60.
- Reconstruction of a continuous furnace for the automation of the heating of ingots of ball bearing steel. A. V. Babushkin. Stal' 21 no. 11:1041-1042 N '61.
- Regulating the overflow density of rod mills. E. V. Likhofev, N. V. Startsev. Izv. vys. ucheb. zav. gor. zhm. 10 no. 1:117-151 '67.
- Selecting an efficient system of automated main electric drives of heavy-duty bucket excavators. A. F. Kotov. Gid. elektromekhn. i vstroim. no. 1:90-98 '65.
- Set of electro pneumatic controllers for automating mine hoisting machinery. M. N. Vasilievskii, E. S. Traube. Ugol' Uka. 6 no. 12:31-33 D '62.
- Sharipov, V. Sh. [Mechanization and automatic control in the mining industry] Mekhanizatsiya i avtomatizatsiya v gornorudnoi promyshlennosti. Alma-Ata, "Kazakhstan," 1965. 125 p.
- Soveshchaniye po avtomatizatsii protsessov mashinostroeniya. 4th, 1964. [Automatic control of processes of welding and pressure working of metals; transactions] Avtomatizatsiya protsessov aviatki i obrabotki davleniem; [trudy]. Moskva, Nauka, 1966. 250 p.
- Stability of directed motion of a mining machine in various systems of automatic control. I. A. Shokhet, I. V. Kaplenko. Gid. elektromekhn. i vstroim. no. 1:107-114 '65.
- Structural synthesis of control devices in automatic control of systems based on the shield element networks. V. I. Dvornik, V. I. Ivanenko. Kibernetika no. 5:49-56 8-O '66.
- Study and development of automatic control systems of complex rectification towers. A. S. Belyuk, V. A. Filipushenko. Nefteprom. no. 5:10-13 8-O '66.
- Study of the control of compressors with gas motors. A. Z. Gilyashenko. Patent. Inst. vyk. gaz. v kom. hosp. la prom. AN URSS. 7:30-47 '59.
- System for automatic control of burners at the Helix plant for the treatment of hybrid and crystallized corn. D. M. Mazur. Muk. i tekhn. prom. 26 no. 4:21-22 Ap '60.
- Systems of automatic control of communication processes, satisfying various requirements of ore dressing. I. N. Plakhot, Z. V. Utegha. Izv. vys. ucheb. zav. gor. zhm. 8 no. 10:135-137 '65.
- Technological bases for automatic determination of permissible reduction during one pass in plate rolling on two-high reversing stands. V. M. Galatin, D. N. Kalinskii. Sbornik trudy TSNII.V. no. 4:167-176 '66.
- Teleautomatic control of irrigation systems. Sh. A. Samad-Zade. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk no. 5:77-82 '62.
- Theory of the best approximation of optimal control. I. P. Lytkin. Izv. vys. ucheb. zav. gor. zhm. 10 no. 1:142-146 '67.
- Use of switching transistors in the drive systems of automatic evening. A. S. Molchanov, I. A. M. Rebarbar, I. M. Vintor. Nauch.-issl. trudy TSNII.V. 22:80-100 '66.
- Use of the root trajectory method in studying the periodic regime in nonlinear automatic systems. I. I. Kuznetsov. Vest. Mosk. un. Ser. 3: Fiz.-mat. nauch. 21 no. 6:188-199 N-D '66.
- Using methods of mathematical modeling in developing automatic control systems for drying. N. V. Arslutkin, E. V. Prokofiev. Izv. vys. ucheb. zav. gor. zhm. 8 no. 9:155-160 '65.
- Varaklin, I. U. M., K. S. Klykov, and V. B. Prolovskii. [Means for the automation of sawmilling and woodworking production] Sredstva avtomatizatsii lesopil'no-dorevoobrabatnyushchikh proizvodstv. Moskva, Lesnaya promyshl., 1967. 354 p.

Vysota, I. I. [Automated main steam engines; design, theoretical foundations, and operation] Avtomatizirovannyye sudovyye parovyye mashiny; konstruktivnye, osnovnyye teorii i ekspluatatsiya. Moskva, Transport, 1966. 477 p.

## AUTOMATIC CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. Avtom., telemekhan. i vych. tekhn. no. 3 Mi '67. Avtomatizatsiya i telemekhanika za 1966 g.

## AUTOMATIC CONTROL—CONGRESSES

Seminar "Fiziko-tehnologicheskie voprosy kibernetiki." [Reports of the Seminar "Physical and Technological Problems of Cybernetics"] Seminar "Fiziko-tehnologicheskie voprosy kibernetiki" [doklady] Kiev, Naukova dumka, No. 1 1965. 116 p. No. 1 1966. 123 p.

Third international congress on automatic control. N. D. Sukhoprudskii. Elek. i telemekhan. 10 no. 12:42-43 D '66.

## AUTOMATIC CONTROL—RELIABILITY

An important trend in increasing technical and economic indices of coal mine automation. L. I. Livshits and others. Ugol' 12 no. 1:33-35 Ja '67.

## AUTOMATIC MACHINERY see Machinery, Automatic

## AUTOMATIC PILOT (SHIPS)

Method of using the signal of ship deviation speed in the automatic pilot system. B. A. Grebenschikov. Sbornik po vop. avtom. no. 1961 g. 103. Ships without captains. M. Kurnosov. V mire nauki 6 no. 6:70 Je '66.

## AUTOMATION

Algorithm for external sorting. V. A. Litvinov. Kibernetika no. 5:93-98 5-O '66.

Annus, A. [Analysis of objects to undergo automation] Avtomatizatsionnyye obyekty avtomatizatsii. Tallinn, Valgus, 1965. 145 p. [In Estonian]

At the exhibition "Interorgtekhika-66." A. F. Seigeev. Mekh. stroit. 23 no. 12:25-26 D '66.

Automatic pilot system in Jacquard weaving. E. I. Galyuk, I. A. M. Rebarbar, E. I. A. Lezerzon. Nauch.-issl. trudy TSNII.V. 21:127-139 '66.

Automation of production and the formation of a new type of worker in socialist industry. A. B. Miuskin. Nauch. dokl. vys. shkoly, filos. nauki 4 no. 1:26-34 '61.

Coal mine of the future. A. P. Sudoplatov and others. Ugol' 12 no. 1:11-17 Ja '67.

Exhibits "Mechanization and Automation of the machine-tool industry" at the Exhibition of the Achievements of the National Economy. Vest. mashinostroi. 47 no. 1:86-87 Ja '67.

Experimental testing of the photoelectric head for automatic programming in Jacquard weaving. I. A. M. Rebarbar. Nauch.-issl. trudy TSNII.V. 21:120-127 '66.

[Fundamentals of automating production operations in road construction] Osnovy avtomatizatsii proizvodstvennykh protsessov v dorozhnom stroitel'stve. [By] V. I. Kolyshov i dr. Moskva, Transport, 1966. 222 p.

Machine tool units made of standard elements and automatic lines. V. P. Kizachko. Tekhn. i inzh. prom. no. 6:26-30 N-D '66.

Methods for statistical studies of the thermal processes in the sausage production for the purpose of their automation. A. Peteev, A. Brazhnikov. Misa ind. SSR 38 no. 1:30-33 Ja '67.

Prospects for automating ballast work. K. S. Isaev, V. N. Chepelev. Transp. stroit. 16 no. 2:24-26 F '66. Schools and industry should cooperate in the development of automated production processes. T. Oleinikov. Muk. i tekhn. prom. 26 no. 3:29-30 Mr '66.

Single-element mechanisms for feeding automatic lines with large resolution capacity. I. V. Botin. Les. bum. i del. prom. no. 3:91-98 '66.

Some ways of increasing reliability of the equipment of coal mine automation. B. M. Senchuk. Sbornik trudy TSNII.V. no. 10:159-172 '66.

Something new in automation of concrete mixing shops. A. B. Minin, V. A. Tateev. Stroi. i arkhit. Len. 28 no. 12:22-23 D '66.

Suggestions for automating repair processes. V. E. Nemkova. Puti i puti khoz. 10 no. 9:27-28 '66.

Using data units on cars for automating sorting station work. A. F. Polukarov. Vest. TSNII MPS 25 no. 8:22-25 '66.

## AUTOMATION—ECONOMIC ASPECTS

(see also subdivision under United States)

Defining the economic nature of automation. G. P. Basileia. Trudy Tbil. GU 112:213-251 '65.

## AUTOMATION—SOCIAL ASPECTS

Sokolovskii, M. A. [Technological progress in the U.S.S.R. and its social consequences; a textbook] Nauchno-tehnicheskii progress v SSSR i ego sotsial'nyye posledstva, uchebnoe posobie. Sverdlovsk, Ural'skii gos. univ., 1964. 39 p. (Mf)

## AUTOMOBILE DRIVERS see subdivision under Kharkov

## AUTOMOBILE DRIVERS—EDUCATION AND TRAINING

Advanced experience to students. N. Gol'din. Avi. transp. 40 no. 6:46 Je '62.

## AUTOMOBILE INDUSTRY

(see also subdivision under Baianovich, Gorky; Moscow)

Great prospects. Vnesh. toig. 46 no. 11:53 '66.

Outlook for the development of the automobile industry of the U.S.S.R. in 1966-1970. A. I. Anders. Avi. prom. 33 no. 1:2-3 Ja '67.

## AUTOMOBILE INDUSTRY—EXHIBITIONS

Exposition in five cities. M. Kuzhnev. Vnesh. toig. 46 no. 12:46-48 '66.

## AUTOMOBILE INDUSTRY—MANAGEMENT

(see also subdivision under Mogilev; Moscow, Ulyanovsk)

Grouping enterprises of the automobile industry for calculating group norms for funds of economic stimulation. A. Z. Revzin, P. M. Katsura. Avi. prom. 33 no. 1:5-8 Ja '67.

## AUTOMOBILE INDUSTRY—PRODUCTION STANDARDS

see subdivision under Chikmety; Gorky

## AUTOMOBILE INDUSTRY WORKERS see subdivision under Moscow

## AUTOMOBILE INDUSTRY WORKERS—EDUCATION AND TRAINING

Contacts with industry should be emphasized in the planning of a course. V. V. Cna. Sred. spets. obr. 13 no. 7:31-32 Ji '66.

Dependable hands. M. Novominskii. Sred. spets. obr. 13 no. 7:33 Ji '66.

## AUTOMOBILE TRAINS

Efficient use of automobile trains. M. Bifinskii, A. Chubukin, S. Sigalov. Avi. transp. 45 no. 1:23-25 Ja '67.

## AUTOMOBILES

Determination of some parameters of the motion of an automobile using experimental data. V. I. A. Galkin and others. Vych. met. i pr. 5:162-170 '65.

The "Khadi-2" automobile with minivan cylinder capacity. A. Podrez. Avi. transp. 40 no. 6:56 Je '62.

New "Zaporozhets." I. U. Sokolov, A. Kharm. Tekhn. v sel'khoz. 27 no. 1:40-41 '67.

## AUTOMOBILES—ELECTRIC EQUIPMENT

Basic trends in the development of electric equipment for automobiles. V. I. Shakhovtsev, N. N. Smetnev. Avi. prom. 33 no. 1:3-4 Ja '67.

Change in the polarity of the networks of the electrical equipment of automobiles, tractors, and harvesters. V. Barabanov. Tekhn. v sel'khoz. 21 no. 12:86 D '61.

## AUTOMOBILES—ENGINES

Braking capacity of a piston engine during forced idling. I. A. Dzhelezhnikov. Soob. AN Gruz. SSR 27 no. 2:181-185 Ag '61.

Determining stresses in caps and studs of crank bearings of the "Chaika" automobile engine and the initial data for calculating the coupling of cap and block. V. V. Baganov and others. Avi. prom. 32 no. 12:6-8 D '66.

The K-105 carburetor for the "Volga" automobile. A. Sabinin. Avi. transp. 40 no. 6:42-43 Je '62.

## AUTOMOBILES—SHOCK ABSORBERS

Dependence of the coefficient of dissipation of the energy of vibration from the amplitude of vibration for the rubber of shock absorbers. V. A. Kudravytsev. Nauch. i rez. 28 no. 1:35-36 '67.

Telescope shock absorbers of the "Volga" automobile. G. Adestov, F. TSKhat. Avi. transp. 40 no. 6:39-42 Je '62.

## AUTOMOBILES—STARTING DEVICES

Investigating the wear of the ZIL-375 carburetor engines caused by various types of starting facilities. A. A. Gusev and others. Avi. prom. 33 no. 12:3-5 D '66.

## AUTOMOBILES, FOREIGN

Operating the "Skoda" motor vehicles. Avi. transp. 40 no. 6:55 Je '62.

## AUTOMORPHIC FUNCTIONS see Functions, Automorphic

## AUTOMOTIVE TRANSPORTATION see Transportation, Automotive

## AUTONOMIC NERVOUS SYSTEM see Nervous system, Autonomic

## AUTOPSY

Autopsy method permitting extensive approach to the posterior surface of the skeleton. E. I. Sokolov. Sud. med. ekspert. 9 no. 4:40-50 O-D '66.

Changes in the content of potassium in the vitreous body fluid depending on the time of death. N. P. Moshchenko. Sud. med. ekspert. 9 no. 4:3-7 O-D '66.

#### AUTOPSY (Continued)

Determination of potassium and sodium in the myocardium in death caused by acute cardiac insufficiency. M. M. Fikht. Sud-med ekspert. 9 no. 4:20-22 Q-D '66.

Physiology of posthumous changes in the neural apparatus of the aortic arch. E. B. Khalsim. Sud-med ekspert. 63 no. 10:9-92 Jt '67.

#### AUTORADIOGRAPHY

Authoradiographic study of DNA synthesis in epithelial cells of frog. V. V. Popenko. Arkh anat, gist i embri. 51 no. 10:103-108 O '66.

Use of autoradiography in studying chemical composition of cell structures, experiments with frog oocytes. P. V. Makarov. Arkh anat, gist i embri. 51 no. 10:92-103 O '66.

#### AUXILIARY POLICE

Some problems concerning the activity of the local services of workers' deputies and public-service organizations in the sphere of crime prevention. E. V. Fuznetsova. Vop. pr. i ust. no. 1:110-123 '66.

#### AVACHA BAY—LIGHTHOUSES

The oldest lighthouse in the Far East. D. N. Timofeev. Vop. geog. kamch. no. 4:129-130 '66.

#### AVAM VALLEY—DATOLITE

Avam ore sector and new datolite occurrences in the Western Siberian Platform. I. N. Gornanov. Inform. buil. NIIGA no. 15:55-62 '59.

#### AXONOMETRIC PROJECTION

Construction of the principal triangle of traces in parallel axonometry. K. I. Val'kov. Sb. nauch. trud. LISI no. 36:96-102 '62.

#### AYDABUL (KOKCHETAV PROVINCE)—GRAIN ELEVATORS—MANAGEMENT

Out of the way. A. N. Nukulin. Zakup. sel'hoz. prod. no. 11:8-10 N '66.

#### AY-SEREZ VALLEY—LANDSLIDES

Mudflow in the basin of the Ay-Serez River. B. N. Gaidin. Izv. Krym. otd. Geog. ob-va no. 6:207-208 '61.

#### AZERBAIJAN—AGRICULTURAL ADMINISTRATION

How the Communist Party of Azerbaijan organized farming and helped the peasantry, 1920-1921. Z. E. Papushin. Trudy Inst. ist. partii [Azerb.] 27:3-23 '64.

#### AZERBAIJAN—AGRICULTURE

New archaeological material on agriculture in ancient Azerbaijan. G. S. Ismailov. Dokl. AN Azerb. SSR 18 no. 3:77-81 '62.

#### AZERBAIJAN—ARTIFICIAL ISLANDS

Marine drilling platforms are now built faster and cheaper. V. Tatarinov. Neftianik 11 no. 10:19-20 O '66. Scientific labor organization in building marine drilling platforms. G. Detin. Neftianik 11 no. 10:31-32 O '66.

#### AZERBAIJAN—ATMOSPHERIC TEMPERATURE

Intrusions of cold air in Azerbaijan within the system of central and storm-moving cyclones. A. I. Ismailov. Trudy Azerb. geog. ob-va 3:71-78 '66.

#### AZERBAIJAN—BITS (DRILLING AND BORING)

Well boring with diamond bits in Azerbaijan. R. N. Shakhmaliev, N. M. Dzhalilov, R. A. Krupkin. Neft. khoz. 45 no. 1:13-18 Ju '67.

#### AZERBAIJAN—BOULDERS

Genetic classification of flash flood deposits as exemplified by the Azerbaijan part of the Greater Caucasus. B. A. Budagov. Trudy Azerb. geog. ob-va 3:45-59 '66.

#### AZERBAIJAN—CITIES AND TOWNS

Medieval Azerbaijan cities and fortresses of the same name. M. Kh. Sharifli. Dokl. AN Azerb. SSR 18 no. 3:80-93 '62.

#### AZERBAIJAN—CLIMATE

Climatic features of the Nukha and Geygal' resorts based on the study of the weather. A. D. Eizubov. Trudy Inst. geog. AN Azerb. SSR 9:28-58 '60.

#### AZERBAIJAN—COLLECTIVE FARMS

Some problems concerning the history of the collectivization of agriculture in Azerbaijan. T. K. Kochari. Trudy Inst. ist. partii [Azerb.] 27:82-112 '64.

#### AZERBAIJAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Improving the "style" and methods of party work. P. M. Elistratov. Vop. ist. KPSS 11 no. 2:3-14 F '67.

#### AZERBAIJAN—COMMUNIST YOUTH LEAGUE

Let us teach our young people to be faithful fighters for communism. M. Ali-zade. Mol. komm. no. 6:27-33 Ju '61.

#### AZERBAIJAN—COTTON TRADE

Creators of white mountains. A. Glazkov. Zakup. sel'hoz. prod. no. 12:41-43 D '66.

#### AZERBAIJAN—CRACKING PROCESS

Chief operator of a plant. M. Mamedov. Neftianik 11 no. 10:8 O '66.

#### AZERBAIJAN—CULTURE

Population and cultural work in the Azerbaijan S. S. R. S. M. Rabinin. Trudy Azerb. geog. ob-va 3:168-177 '66.

#### AZERBAIJAN—DRAINAGE

Improvement and development of saline soils in Azerbaijan. A. K. Bekhbudov. Gid. imel. 14 no. 5:3-10 My '62.

#### AZERBAIJAN—EARTH TEMPERATURE

Convection in boreholes in connection with geothermal studies. A. B. Tsaturiants, S. F. Shabanov. Dokl. AN Azerb. SSR 22 no. 8:51-56 '66.

#### AZERBAIJAN—ECONOMIC CONDITIONS

Geographical position of the Azerbaijan S. S. R. and basic features of its economic and territorial structure. A. M. Godzhizade. Trudy Azerb. geog. ob-va 3:178-182 '66.

#### AZERBAIJAN—EFFICIENCY, INDUSTRIAL

How the party organization of Azerbaijan directed the movement of efficiency promoters in the petroleum industry during the first years of socialist industrialization. R. A. Melikova. Trudy Inst. ist. partii [Azerb.] 27:291-303 '64.

#### AZERBAIJAN—ETHNOLOGY

Some data on the ethnography of Azerbaijan in "Collected materials for the description of the regions and tribes of the Caucasus." E. A. Kerimov. Izv. AN Azerb. SSR. Ser. ist., filol. i prav. no. 3:65-71 '60.

#### AZERBAIJAN—FEED MILLS

Flour and feed mills in Azerbaijan for 10 years under the Soviet regime. G. Utershlag. Muk. elev. prom. 26 no. 1:11-13 Ap '60.

#### AZERBAIJAN—FISHERIES

Work of leading personnel of the Sea Fisheries Base of Azerbaijan. V. P. Levchenko, A. L. Shirin. Ryb. prom. no. 53:17-27 '60.

#### AZERBAIJAN—FLEAS

Tanna (Suctoria, aphaniptera) of Azerbaijan. K. P. Kadatskaya, L. V. Mulinskaya, L. F. Shirova. Dokl. AN Azerb. SSR 18 no. 3:57-58 '62.

#### AZERBAIJAN—FLOUR MILLS

Flour and feed mills in Azerbaijan for 40 years under the Soviet regime. G. Utershlag. Muk. elev. prom. 26 no. 4:11-13 Ap '60.

#### AZERBAIJAN—FORAMINIFERA, FOSSIL

New genus Epistominella from Lower Cretaceous sediments of northeastern Azerbaijan. Dokl. AN Azerb. SSR 22 no. 9:82-85 '66.

#### AZERBAIJAN—FRUIT TRADE

What the two-year results tell. G. Seidov. Zakup. sel'hoz. prod. no. 11:47-17 N '66.

#### AZERBAIJAN—GEOGRAPHICAL RESEARCH

Azerbaijan as a part of Russia and the importance of this fact for the development of the geographical science. K. K. Gini. Trudy Azerb. geog. ob-va 3:5-14 '66.

#### AZERBAIJAN—GEOGRAPHICAL SOCIETIES

Geographical Society of the Azerbaijan S. S. R. K. K. Gini, S. M. Rabinin. Trudy Azerb. geog. ob-va 3:214-221 '66.

#### AZERBAIJAN—GEOGRAPHY

Geographical position of the Azerbaijan S. S. R. and basic features of its economic and territorial structure. A. M. Godzhizade. Trudy Azerb. geog. ob-va 3:178-182 '66.

#### AZERBAIJAN—HAIL

Atmospheric processes resulting in the formation of hail in Azerbaijan. F. A. Mutalibov. Trudy Azerb. geog. ob-va 3:79-80 '66.

#### AZERBAIJAN—HANDICRAFT

The term "boniche." M. Kh. Gaidarov. Dokl. AN Azerb. SSR 18 no. 3:83-87 '62.

#### AZERBAIJAN—INDUSTRIES

Lifework of the Azerbaijan party organization to develop industry during the second five-year plan, 1933-1937 (excluding the petroleum industry). M. M. Bagirov. Trudy Inst. ist. partii [Azerb.] 27:113-149 '64.

#### AZERBAIJAN—LOCUSTS

Fociuses of Morocco locust at the border of the U. S. S. R. and Iran. E. Tsyplenkov. Zashch. rast. 12 no. 1:55 '67.

#### AZERBAIJAN—MEDICAL GEOGRAPHY

Materials on the geography of neural infections in the Azerbaijan S. S. R. F. M. Efendieva. Trudy Azerb. geog. ob-va 3:186-201 '66.

#### AZERBAIJAN—METEOROLOGY, AGRICULTURAL

Thermal resources of the growing season in the Azerbaijan S. S. R. A. D. Fuzubov. Trudy Azerb. geog. ob-va 3:101-103 '66.

#### AZERBAIJAN—NERVOUS SYSTEM—DISEASES

Materials on the geography of neural infections in the Azerbaijan S. S. R. F. M. Efendieva. Trudy Azerb. geog. ob-va 3:196-201 '66.

#### AZERBAIJAN—OIL FIELD BRINES—ANALYSIS

Hydrochemistry of Sub-Kirmakli series in Davitashli, Aghem Island, and Gyunpyiny-Mor oil fields. I. M. Gadzhiev. Arkh. khim. khiz. 15 no. 11:10-12 N '66.

#### AZERBAIJAN—OIL WELL DRILLING

Well boring with diamond bits in Azerbaijan. R. N. Shakhmaliev, N. M. Dzhalilov, R. A. Krupkin. Neft. khoz. 45 no. 1:13-18 Ju '67.

#### AZERBAIJAN—OSTRACODA, FOSSIL

Barremian Ostracoda in northeastern Azerbaijan (Taghi-dzhulhay Basin). Gen. Int. -slan' (Kon'kum' i. i. Dokl. AN Azerb. SSR 18 no. 3:47-49 '62.

New genus Micromeloides in Akchagil' layer of Azerbaijan. R. L. Kulakova. Dokl. AN Azerb. SSR 22 no. 9:66-68 '66.

#### AZERBAIJAN—PEASANTRY

"Zhanglyk," an institution of self-help. G. A. Radzhiev. Dokl. AN Azerb. SSR 27 no. 9:90-93 '66.

#### AZERBAIJAN—PETROLEUM

Study of the group hydrocarbon composition of high boiling fractions (above 350°) of some Azerbaijan oils. G. G. Ashumov, Sh. V. Veliev, T. S. Stepanian. Sb. nauch. trud. AN NI NI no. 3:32-44 '58.

#### AZERBAIJAN—PETROLEUM—ANALYSIS

Interrelation between the content of nitrogen compounds of early substances, and the cooking capacity of Azerbaijan oils. G. G. Ashumov. Sb. nauch. trud. AN NI NI no. 3:51-55 '58.

#### AZERBAIJAN—PETROLEUM INDUSTRY

How the party organization of Azerbaijan directed the movement of efficiency promoters in the petroleum industry during the first years of socialist industrialization. R. A. Melikova. Trudy Inst. ist. partii [Azerb.] 27:291-301 '64.

#### AZERBAIJAN—PETROLEUM PRODUCTION

Road construction workers are your friends. S. B. Ismailov. Neftianik 11 no. 9:16 S '66.

#### AZERBAIJAN—PETROLEUM WORKERS

Chief operator of a plant. M. Mamedov. Neftianik 11 no. 10:9 O '66.

#### AZERBAIJAN—PHYSICAL GEOGRAPHY

Phylogeographical characteristics of the neotectonic piedmont landscape of the northeastern extremity of the Greater Caucasus within the boundaries of Azerbaijan. N. K. Kerimov. Trudy Azerb. geog. ob-va 3:26-30 '66.

#### AZERBAIJAN—POLITICS AND GOVERNMENT

Mil'man, A. Sh. [Political system of Azerbaijan in the 10th and early 20th century, administrative organization, counts, ways and methods of colonial administration]. Politicheskii stav Azerbaidzhana v XIX - nachale XX vekov, administrativnyy apparat i sud, formy i metody kolonial'nogo upravleniya. Baku, Azerbaidzhan. skoe gos. izd-vo, 1960, 317 p.

#### AZERBAIJAN—POPULATION

Population and cultural work in the Azerbaijan S. S. R. S. M. Rabinin. Trudy Azerb. geog. ob-va 3:168-177 '66.

#### AZERBAIJAN—RAILROADS

Development and distribution of railroads in the Azerbaijan S. S. R. B. A. Abdukhannov. Trudy Azerb. geog. ob-va 3:103-105 '66.

#### AZERBAIJAN—REVOLUTION, 1917-1921

Soviet historiography of the socialist revolution in Azerbaijan. N. M. Kuliev. Izv. AN Azerb. SSR. Ser. ist., filol. i prav. no. 3:11-20 '66.

#### AZERBAIJAN—ROAD CONSTRUCTION WORKERS

Road construction workers are your friends. S. B. Ismailov. Neftianik 11 no. 9:16 S '66.

#### AZERBAIJAN—SEDIMENTATION AND DEPOSITION

Genetic classification of flash flood deposits as exemplified by the Azerbaijan part of the Greater Caucasus. B. A. Budagov. Trudy Azerb. geog. ob-va 3:345-351 '66.

#### AZERBAIJAN—STORMS

Storms in Azerbaijan. A. A. Matadzade. Trudy Inst. geog. AN Azerb. SSR 9:6-27 '60.

#### AZERBAIJAN—STURGEON BREEDING

Sturgeon breeding intensification methods in Azerbaijan. R. A. Melikova. Ryb. khoz. 43 no. 1:13-15 '67.



## BAKERIES—EQUIPMENT AND SUPPLIES

- Calculation of flues for gas combustion in conveyor ovens  
I. I. Makhlisov Khleb i kond prom 10 no 12 10-13  
D '66
- Cooking aluminum baking molds with the K-58 varnish  
I. D. Tit'chak Khleb i kond prom 10 no 12 33-36  
D '66
- Continuous lines for the baking and confectionery industries of the socialist countries N. F. Moroz, Khleb i kond prom 10 no 12 40-42 D '66.
- Determination of the delivery head of the pressing plunger in piston-type dough-dividing machines, N. V. Tul'skii, Khleb i kond prom 11 no 1 20-23 Ja '67
- Reconstruction of the "Ku'-bass" dough dividing machine N. M. Galin Khleb i kond prom 10 no 12 32-34 D '66.
- Testing the quality of bread made from dough prepared in a piston mixer A. I. Skorikova, I. M. Reiter, Khleb i kond prom 11 no 1 13-16 Ja '67

BAKING see subdivision under Estonia

## BAKING—PERIODICALS

- The periodical "Khlelopokoinania i konditerskaya promyshlennost'" is 10 years old, V. Zolov, Khleb, i kond, prom, 11 no 1 2 Ja '67

BAKING—RESEARCH see subdivision under Bulgaria, Hungary; Poland

## BAKU—CIVIL DEFENSE

- A stiff orkday P. Gorbunov, Voen znan, 43 no 1 22 Ja '67.

## BAKU—LEPTOSPIROSIS

- Case of leptospirosis in Baku, T. A. Tagizade, S. I. Alieva, Azerb, med, zhur, 43 no 12 39-41 D '66.

## BAKU—POLITICS AND GOVERNMENT

- How the workers of Baku struggled for the establishment of the Transcaucasian Federation Q. M. Gasanov, Trudy Inst 1st partii [Azerb.] 27 278-280 '64.

## BAKU—REVOLUTION, 1917-1921

- Cultural events in the Baku Commune of 1918, A. B. Karimian, Izv. AN Azerb. SSR, Ser. Ist., filol i jana na no. 3-3-10 '66.

## BAKU—REVOLUTION, 1917-1921—PICTORIAL WORKS

- How the printing "Execution of 26 Baku commissars" was executed N. I. Sel'skaya, Sov arkh, no. 5 102-104 '66.

## BAKU—RUSSIAN SOCIAL DEMOCRATIC PARTY

- A document relating to the organizational structure of the Baku branch of the Russian Social Democratic Party in 1904 V. I. Samodov Trudy Inst, 1st, partii [Azerb.] 27 250-265 '64

## BAKU—SUBWAYS—DESIGN AND CONSTRUCTION

- A subway is being built in Baku, A. I. Abdulragimov, Transp, stot, 16 no 3 17-18 Mi '66.

## BAKU ARCHIPELAGO—CURRENTS (HYDROLOGY)

- Currents in the Apsheron and Baku Archipelagoes, T. I. Furman, Trudy Azerb. geog. obzva 3 154-161 '66

## BAKU BAY—GEOLOGY, STRUCTURAL

- Geology of the Baku Bay, Sh. F. Mekhtiev, V. A. Gorin, Dokl. AN Azerb. SSR 18 no. 3 29-33 '62

## BAKU REGION—PETROLEUM WORKERS

- Friendship is to grow stronger, traditions must continue to live N. Sapronov, Neftianik 11 no 8 8-10 Ag '66

## al-BALADHUM, AHMAD IBN YAHYA, d. 802

- Taxation terms in the work of al-Baladhum, T. A. Spenkova, Palest. sbor, no 15-148-154 '66

## BALAKOVO (SARATOV PROVINCE)—GRAIN ELEVATORS

- Boring and blasting operations at Balakovo reinforced-concrete grain elevator I. A. Rovchan, Vozryv, itelo no 61/81/201-205 '66

## BALANCING OF MACHINERY

- Determining disalignment in balancing flexibly deformed rotors, V. P. Holzman, Proch, i din av, dvig, no 3 189-184 '66.

## BALASOGLO, ALEKSANDR PANTELEIMONOVICH, 1813-?

- Verse by Veranov, I. Kaufman, V mire knig 6 no. 6 45 Je '66.

## BALCONIES

- Precast solid floors and precast balconies, P. V. Tolubaev, Gor khov, Mosk, 35 no 12-15-16 D '61.

## BALKAN STUDIES

- A congress of the students of Balkan problems in Sofia, V. N. Sov. slav. no. 1 116-118 '67.

## BALKAR SCULPTURE see Sculpture, Balkar

## BALKARS

- History of studying the unwritten law of the Balkars, K. G. Azamatov, Uch. zap. Kab.-Balk. gos. un, no. 27 35-43 '65
- Socioeconomic and political system of the Balkars in the 18th century, N. Kh. Tkhamokov, Uch. zap. Kab.-Balk. gos. un, no. 27 22-34 '65.

## BALKHAN RANGE REGION—PALEOGEOGRAPHY

- Iurevich, A. L. [Composition and conditions governing the formation of Akchagyl' sediments of the Balkhan region of southwestern Turkmenia] Veshchestvennyi sostav i uslovia obrazovaniia akchagyl'skikh otlozhenii Pribalkhanskogo raiuna IUGO-Zapadnoi Turkmenii, Moskva, Nauka, 1966, 199 p. (Akademiia nauk SSSR Geologicheskii institut, Trudy, no. 164)

## BALKHAN RANGE REGION—ROCKS, SEDIMENTARY

- Iurevich, A. L. [Composition and conditions governing the formation of Akchagyl' sediments of the Balkhan region of southwestern Turkmenia] Veshchestvennyi sostav i uslovia obrazovaniia akchagyl'skikh otlozhenii Pribalkhanskogo raiuna IUGO-Zapadnoi Turkmenii, Moskva, Nauka, 1966, 199 p. (Akademiia nauk SSSR Geologicheskii institut, Trudy, no. 164)

## BALKHASH LAKE REGION—METASOMATISM

- Vertical metasomatic zonality in Late Mesozoic volcanoplutonic formations in northern part of Lake Balkhash region V. N. Lavin, Dokl. AN SSSR 171 no 6 1106-1112 D '66

## BALL BEARINGS

- Calculating ball bearings operating under combined loads, M. A. Leikand, Proch, i din av, dvig, no 3 273-309 '66

## BALLAST (RAILROADS)

- Determining degree of compaction of ballast sections V. G. Lykov, N. I. Lebedev, Transp, stot, 16 no. 2 10-41 F '66.

- Machines for setting and compacting ballast sections, V. N. Lobanov, Put' i put khov 10 no 10 46-47 '65

- A new narrow-gauge ballaster A. K. Filippov, Put' i put khov, 11 no. 1 6-9 '67

- Prospects for automating ballast work, K. S. Isaev, V. N. Chepelev, Transp, stot, 16 no. 2 24-26 F '66

## BALLAST (RAILROADS)—CLEANING

- Machines work uninterruptedly, I. I. Vlasov, N. I. Latvinov, Put' i put khov 10 no 7 19-21 '66

- ShchOM-D passes over bridges without reekering, A. S. Kucher, Put' i put khov 10 no 9 7-8 '66

## BALLAST (RAILROADS)—CRUSHING AND GRINDING

- Soundproof channel N. P. Tager and others, Put' i put khov, 10 no 10 44-45 '66.

## BALLENY ISLANDS—SEA ICE

- Ice accumulation in the region of Balleny Islands V. I. Shil'nikov, Inform. biul. Sov. antark. eksp, no 28 27-30 '61

## BALLET

- Gabovich, M. M. [Inspired flight; the art of ballet] Dushoi ispolnennyi polet, ob izkusstve baleta [Moskva] Molodiia gardiia, 1966, 170 p.

## BALLET DANCING

- Classical dancing in Russia, N. Nadrzhidina, V mire muz 6 no. 6 36 Je '66.

## BALTABOLA, PAULA, 1891-

- Gudrike, Birula. [Heart given to the stage; Paula Baltabola in her life and art] Skatovet aldota sirda; Paula Baltabola dzive un maksiela, Riga, Liesma, 1966, 218 p. [In Latvian]

## BALTIC REGION—RAILROADS—TECHNOLOGICAL INNOVATIONS

- Plans are becoming a reality, I. U. N. Volkovich, Put' i put khov 10 no. 10 20 '66.

## BALTIC REGION—ROAD CONSTRUCTION—CONGRESSES

- Conference of road builders of the Baltic states, M. V. Rabinovich, Avt, dor, 24 no. 11 32-3 of cover N '61.

## BALTIC SEA—HERRING

- Vertical distribution of herring during winter and spring in the Baltic Sea, L. A. Rannak, Trudy VNIRO 60:220-246 '66.

## BALTIC STATES—ANIMAL INDUSTRY—STATISTICS

- Figures must be practical, I. Kondrakhov, Zakup, sel'khov, prod, no. 12/6-10 D '66.

## BALTIC STATES—LABOR SUPPLY

- [The labor resources of Soviet Baltic Republics] Trudovye resursy pribaltiskikh sovetsskikh respublik, Riga, Zinatne, 1967, 147 p.

## BALTIC STATES—POLITICS

- Arunas, Heino. [Behind the scenes of the "Baltic Alliance": from the history of the foreign policy of bourgeois Estonia in 1920-1925] Za kultsami "Baltiskogo soluzia": iz istorii vnesheii politiki burzhuaznoi Estonii v 1920-1926 gg. Tallinn, Eesti Raamat, 1966, 278 p.

## BANACH SPACES

- Orthogonality in L<sub>p</sub> spaces, L. N. Poltavskii, Vest, Mosk, un, Ser. I: Mat., mekh 22 no. 1 47-50 Ja-F '67.

## BANKS AND BANKING

- (see also subdivision under Moscow; Sverdlovsk Province)

- Business accounting and forms in the State Bank of the USSR V. D. Lebedev, Trudy Tbil GU 112 109-121 '65

## BANZAROV, DORZHI, 1822?-1855

- Philosophical views of Dorzhi Banzarov, I. A. Petrov, Trudy Tk, un, 38 no 1 55-59 '65

## BAPTISTS

- (see also subdivision under Moscow)

- How the ideologists of the Baptists try to accommodate themselves to present-day conditions, V. O. Polshak, Put, atiz, no. 1 51-61 '65.

- Mitrokhin, L. N. [Baptists] Baptizm, Moskva, Politizdat, 1966, 263 p. (Biblioteka "Sovremennye religii")

- News from the churches, Brat vest, no 1 77-79 '66.

- Religious doctrine of Evangelical Christians and Baptists I. V. Kaiga, Brat vest, no 1 15-18 '66.

## BAPTISTS—CLERGY

- Aleksai Leonidovich Andreev, obituary V. V. Kater, Brat vest no 1 69-72 '66

- Funeral services for Aleksai Leonidovich Andreev, N. N. Melnikov, I. R. Antikhov, M. V. Melnik, Brat vest no 4 72-75 '66

- In memory of the Presbyter of Zelenka Parish, I. D. Kokhanovskii, I. V. Kalluzhnyi, Brat vest, no 1 75-76 '66.

## BAPTISTS—CONGRESSES

- To the Congress of Baptists in the German Democratic Republic in 1966, Brat vest no 1 10 '66.

## BAPTISTS—CONTROVERSIAL LITERATURE

- Man in the interpretation of the present-day Baptists, H. Danyilevich, V. Vlasov, Put, atiz, no. 1 73-81 '65.

## BAPTISTS—RELATIONS

- First visit to Moscow, D. Siven, Brat vest no 1 10-12 '66

- To the All-Union Council of Evangelical Christians and Baptists J. Noidenbaugh, Brat vest, no 1 75 '66

## BARANOVICH—AUTOMOBILE INDUSTRY

- Baranovichi Automobile-Unit Plant F. N. Doroshenko, Prom, Bel 10 no. 1 36-37 Ju '67

## BARANOVICH—CLOTHING INDUSTRY

- Baranovichi Clothing Factory I. I. Golovik, I. N. Mirnovich, Prom, Bel, 10 no. 1 37-39 Ju '67.

## BARBERSHOPS—DESIGN AND CONSTRUCTION

- Chesnokov, G. A. [Designing barbershops and hairdressing establishments] Proektovanie parikмахerskikh Moskva, Stenizdat, 1966, 87 p.

## BARENTS SEA—CODFISH

- Change in the growth of codfish of Barents Sea in relation to environment, T. F. Dement'eva, F. M. Munkovitch, Trudy VNIRO 60:147-256 '66.

- Duration of cod schools, their composition according to size and distribution in fishing grounds of Barents Sea, K. G. Konstantinov, Trudy VNIRO 60 151-159 '66.

## BARENTS SEA—FISHES

- Some results of underwater observations in Barents Sea, I. I. Lagunov, Trudy VNIRO 60:161-167 '66.

## BARENTS SEA—HADDOCK

- Change in the growth of haddock of Barents Sea in relation to food supply, N. A. Khaidinov, Trudy VNIRO 60:257-270 '66.

## BARGES see subdivision under United States

## BARITE see subdivision under Krivoy Rog Basin

## BARIUM FERRATES—MAGNETIC PROPERTIES

- Magnetic reversal process in barium ferrite powders, E. V. Shkol's, Fiz. tver tela 8 no. 11 3416-3418 N '66.

## BARIUM TITANATE CRYSTALS—DIELECTRIC PROPERTIES

- Dielectric constant of barium titanate single crystals with laminar domain structure, A. V. Tsvetk, Fiz. tver tela 8 no. 11 3269-3273 N '66.

## BARIUM TITANATE CRYSTALS—ELECTRIC PROPERTIES

- Temperature dependence of electroconductivity of hydrogen-reduced pure and iron- and cobalt-doped BaTiO<sub>3</sub> crystals, B. N. Matsenashvili, Fiz. tver tela 8 no. 11 3439-3442 N '66.

- Temperature dependence of electroconductivity of pure and iron- and cobalt-doped BaTiO<sub>3</sub> crystals, B. N. Matsenashvili, Fiz. tver tela 8 no. 11 3232-3235 N '66.

## BARK INSCRIPTIONS see subdivision under Kamchatka



**BARLEY**

Biological relationships of the components of artificial mixed barley plantations and their productivity. P. M. Roshchinskii. *Sob. AN Gruz. SSR* 26 no. 6 710-721 Ja '61

Effect of iodine on hemocytose dynamics in barley. V. M. Iosadimskii, N. B. Litumova. *Vest. AN BSSR Ser. biol. nat.* no. 11-11 '66

Influence of the nutrition level and soil temperature on the passage of basic stages in the ontogeny of barley. M. N. Mordukhai. *Nauch. sob. IA AN BSSR* no. 6 51-56 '62

Methodology of the microspectrofluorometric detection of boron in barley catwips. V. M. Iosadimskii, G. U. Iosadimskii. *Vest. sel'khoz. nauk. (kazakh)* 10 no. 1 116-118 Ja '67

**BARLEY—MILLING**

Quantitative and qualitative balance in the production of milled barley. M. Ginzburg, M. G. Lev. *prom.* 31 no. 1 20-25 Ja '67

**BARMINA, MARIA PAVLOVNA, 1890-**

M. P. Barmina; on her 70th birthday. *Med. put. i prazn.* 35 no. 6 745 N-D '66

**BARNAUL—CLERKS (RETAIL TRADE)**

On his own path. A. Stolpovskii. *Sov. toip.* 40 no. 12 27-28 D '66

**BARNAUL—COMMUNIST PARTY OF THE SOVIET UNION**

We must demonstrate more initiative. N. Brannenko. *Part. zhizn'* no. 1 37 F '67

**BAROMETRIC HYPSONETRY**

New method for barometric hypsometry of farmland using an aneroid barometer. P. M. Orlov and others. *Dokl. TSRS* no. 44 125-137 '69

**BAROQUE ART** see Art, Baroque**BARRELS**

Barrel with a removable bottom. *Sbor. izobr. v. iyb. prom.* za 1961 g. 62-63

Device for applying labels to a barrel. A. A. Shabanov. *Sbor. izobr. v. iyb. prom.* za 1961 g. 66-67

Mechanism for cutting the bottoms of a barrel. A. A. Malkov. *Sbor. izobr. v. iyb. prom.* za 1961 g. 60-61

Unit for mechanical enamelling of barrels. D. P. Bachurin. *Izv. prom.* no. 53 63-65 '60

**BARRELS—STERILIZATION**

Device for the steam sterilization of barrels. M. A. Kovtina. *Sbor. izobr. v. iyb. prom.* za 1961 g. 63-64

**BARRIER PILLARS—MODELS**

Laboratory studies of support pillar parameters in new ore-drawing methods. V. I. Kuznetsov. *Izv. vuz. uch. zaved. geol. iuzh.* 8 no. 10 15-18 '65

**BAR (ENGINEERING)**

Calculating two-layer bars. R. M. Pipko. *Proch. i din. av. dvig.* no. 3 58-70 '68

Correlations between dimensions of metal sections in semi-finished and finished oil pipes during rolling of rounds. M. I. Zaitsev, P. P. Putnickin. *Sbor. izobr. i izv. nauch. i tekhn. nauch. i tekhn.* no. 14 74-79 '66

Effect of creep and aging on stability of compressed rods. I. P. Prokopovich. *Stroitel. mekhan. i mash. stroit.* 9 no. 1: 5-9 '67

Stability of a plane-type bonding of a free bar. B. S. Koval'skii, E. G. Khomikov. *Pril. mekhan.* 2 no. 12 125-128 '66

Studying stability of eccentrically compressed elastoplastic rods. S. D. Letta, A. G. Radtsigskii. *Stroitel. mekhan. i mash. stroit.* 9 no. 1 1-5 '67

**BAR (ENGINEERING)—DEFECTS**

Surface defects of die-rolled sections of transverse helical rolling. F. M. Borimov and others. *Stal'* 21 no. 11, 1065-1068 N '61

**BAR (ENGINEERING)—THERMAL PROPERTIES**

Residual deformations of a rod with a nonuniform coefficient of thermal expansion under cyclic heat conditions. A. M. Kosovich, I. N. Kibets, L. D. Shepkovitskii. *Fiz. met. i metalloyed.* 22 no. 6 816-822 D '66

**BAR (ENGINEERING)—VIBRATION**

Vibration in rods of varying cross section. B. A. Rolgauz. *Stroitel. mekhan. i mash. stroit.* 9 no. 1 38-40 '67

**BARYONS**

Correlation between coupling constants of summits 70° 58 33, D. V. Volkov, P. A. Kuratov, V. I. Tkach. *Ukr. fiz. zhurn.* 11 no. 12 1298-1301 D '66

Electromagnetic decay and the electroproduction of the  $3/2^+$ -resonance. V. B. Bellaev, Dao Wong Dyk, Nguyen Van Hieu. *Dokl. AN SSSR* 107 no. 2 312-315 Mr '66

**BASALT** see subdivision under Stanovoy Range**BASHKIRIA—ALCOHOLISM**

Alcoholism and alcoholic mental disorders according to data of Bashkir Republic Psychiatric Hospital for the period 1947-1957. S. M. Sunargulova. *Trudy Gos. nauch. i inst. inst. psikh.* 26 305-300 '61

**BASHKIRIA—CAVES**

Kaizet caves in Otkryabrykii District of the Bashkir A. S. S. R. B. V. Vasiliev. *Bashkirskiy no. 2 47-48 '62*

**BASHKIRIA—COMMUNIST EDUCATION**

Work of party organizations in schools. G. Khazeev. *Nat. obs.* no. 1 9-11 F '67

**BASHKIRIA—COMMUNIST YOUTH**

[Chemists, builders, creators] Khimiki, stroiteli, tvoritsy. Ufa, Bashkirskoe knizhnoe izd-vo, 1960, 74 p.

**BASHKIRIA—CONSTRUCTION WORKERS**

[Chemists, builders, creators] Khimiki, stroiteli, tvoritsy. Ufa, Bashkirskoe knizhnoe izd-vo, 1960, 74 p.

**BASHKIRIA—ECONOMIC POLICY**

[The seven-year plan ahead of time] Semiletku dosrochno. Ufa, Bashkirskoe knizhnoe izd-vo, 1962, 93 p. (NDC)

**BASHKIRIA—GAS FIELD DEVELOPMENT—COSTS**

Accounting for overhead costs in construction. A. Bashir-ov. *Bukh. uch. i schet.* no. 12 38-39 D '66

**BASHKIRIA—LIBRARIES AND READERS**

The past as well as the future. I. Minigaliev. *Biblioteka'* 14 no. 2 11-14 F '67

**BASHKIRIA—MENTAL ILLNESS**

Alcoholism and alcoholic mental disorders according to data of Bashkir Republic Psychiatric Hospital for the period 1947-1957. S. M. Sunargulova. *Trudy Gos. nauch. i inst. inst. psikh.* 26 305-300 '61

**BASHKIRIA—OIL WELL CEMENTING**

Developing methods of excluding bottom waters in Devonian oil fields of Bashkiria. I. I. Kravchenko, E. N. Umiykhina. *Nauch. i tekhn. i tekhn. nauch. i tekhn.* no. 3 68-90 '69

**BASHKIRIA—OIL WELL DRILLING—COSTS**

Samikhov, M. M. [Potentialities for lowering expenditures in construction of oil wells; as exemplified by drilling enterprises in Bashkiria] Rezervy snizheniya zatrat v stroitel'stve neftekhnykh skvazhin; na primere burovykh predpriyatiy Bashkiri. Moskva, Nedra, 1966, 167 p.

**BASHKIRIA—OIL WELL DRILLING—LABOR PRODUCTIVITY**

Striving for speed. P. Pechushchev. *Neftianik* 11 no. 8 28-29 Ag '66

**BASHKIRIA—PARAFFIN WAX**

Urgent problem is to be solved faster. *Neftianik* 11 no. 8 24 Ag '66

**BASHKIRIA—PETROLEUM PRODUCTION**

Bashkir petroleum workers are striving for oil. A. Gaisin and others. *Neftianik* 11 no. 8 5-10 S '66

Studying and establishing the production program for oil wells with bottom pressure reduced below the saturation pressure in the Devonian layers of the Tuzynsky field and D. layer of the Konstantinovka field. S. A. Lebedev, V. P. Usenko, E. A. Andreev. *Nauch. i tekhn. i tekhn. nauch. i tekhn.* no. 3 82-83 '69

**BASHKIRIA—PETROLEUM PRODUCTION—COSTS**

Accounting for overhead costs in construction. A. Bashir-ov. *Bukh. uch. i schet.* no. 12 38-39 D '66

**BASHKIRIA—PETROLEUM REFINING**

Ten years of Bashkir Research Institute of Petroleum Refining. K. Koshin. *Neftianik* 11 no. 8 14-16 Ag '66

**BASHKIRIA—PETROLEUM RESEARCH**

Ten years of Bashkir Research Institute of Petroleum Refining. K. Koshin. *Neftianik* 11 no. 8 14-16 Ag '66

**BASHKIRIA—PETROLEUM WORKERS**

Long, good watch. S. Ischenko. *Neftianik* 11 no. 10 7 O '66

**BASHKIRIA—PROTECTIVE COATINGS**

Urgent problem is to be solved faster. *Neftianik* 11 no. 8 24 Ag '66

**BASILAR ARTERY—DISEASES**

Clinical aspects in thrombosis of the basilar artery of the brain. Z. N. Drachova. *Zhur. nevro. i psikh.* 62 no. 11 1690-1695 '62

Problems in the clinical aspects and pathogenesis of thrombosis of the vertebral and basilar arteries. D. G. Shefer, Z. S. Manella, N. A. Chuprianova. *Zhur. nevro. i psikh.* 62 no. 11 1647-1655 '62

Role of lesions of the extracranial segment of the vertebral arteries in disorders of cerebral circulation. N. V. Vershchagin. *Zhur. nevro. i psikh.* 62 no. 11 1654-1660 '62

**BASUTOLAND** see Lesotho**BATHOMETER**

Device for continuous measuring of the depth of bodies of water. M. P. Veselov, V. F. Kita. *Sbor. izobr. v. iyb. prom.* za 1961 g. 31-32

**BATHROOMS** see subdivision under Khabarovsk**BATHROOMS—DESIGN AND CONSTRUCTION**

(see also subdivision under Mari El-Territory)

Accurate calculation achieves proper results. G. D. Kulenko. *Stroitel. i arkh. Len.* 28 no. 7 20-21 Ji '66

**BATHS, MEDICATED**

(see also subdivision under Aletskovskiy Zavod District; Chukharyurt, Azerbaijan)

Changes in tissue micron metabolism in experimental atherosclerosis under the effect of hydrogen sulfide baths. Z. A. Scholova. *Vop. kur. i fizioter. i lech. fiz. kul't.* 31 no. 6 501-509 '66

Effect of hydrogen sulfide baths on blood circulation and the processes of functional adaptation in dogs with experimental atherosclerosis. N. R. Cherepkova. *Vop. kur. i fizioter. i lech. fiz. kul't.* 31 no. 6 197-201 '66

Morphological changes in the animal skin under the effect of artificial sodium chloride baths. V. V. Soldatov. *Vop. kur. i fizioter. i lech. fiz. kul't.* 31 no. 6 512-517 '66

Significance of ophthalmodynamometry in differential sulfide balneotherapy in obstructive endarteritis. A. A. Melodiev. *Vop. kur. i fizioter. i lech. fiz. kul't.* 31 no. 6 192-196 '66

Treatment of patients with obliterating endarteritis by means of artificial hydrogen sulfide baths from the waste of the by-product coke industry. M. I. Iatsenko, V. R. Faltel'berg-Blank. *Vop. kur. i fizioter. i lech. fiz. kul't.* 27 no. 6 525-528 N-D '62

**BATHS, MOOR AND MUD** see subdivision under Molokara (Turkmenistan)**BATHS, SEA**

Effect of weather during solar and sea baths on arterial pressure. M. I. Meisler. *Vop. kur. i fizioter. i lech. fiz. kul't.* 31 no. 6 551-558 '66

**BATHYSCAPE**

Some data on codfish behavior based on observations from bathyscaphe "Sever-1." O. N. Kiselev. *Trudy VNIRO* 60 168-172 '66

Study of ocean using new submarine equipment. P. A. Bolovikov, V. P. Brovko, P. A. Kaplin. *Okeanologiya* 6 no. 6 1113-1120 '66

**BATS—PARASITES** see Parasites—Bats**BAUXITE**

(see also subdivision under Yentsey Valley)  
Electron-microscopic study of morphology of bauxite minerals. V. I. Remizov. *Min. sbor.* 20 no. 1 22-26 '65

Prospecting for bauxite deposits in karst holes using geophysical methods. D. G. Uspenskiy. *Zap. LGI* 43 no. 2 122-131 '62

**BAVLY OIL FIELD—PETROLEUM PRODUCTION**

Bavly. IA, Labyzhinskii. *Neftianik* 11 no. 6 17-18 S '66

Choice of an alternative in shutting in wells in the Bavly oil field. O. I. Dorokhov. *Nauch. i tekhn. i tekhn. nauch. i tekhn.* no. 8 61-66 '60

**BAYRAM-ALI (TURKMENISTAN)—CLIMATOLOGY, MEDICAL**

Problems of the effectiveness of climatology of chronic nephritis in Bayram-Ali. D. M. Alimov. *Trudy Turk. nauch. i tekhn. i tekhn. nauch. i tekhn.* 8 7-12 '65

**BEAMS** see Girders**BEANS**

Effect of gamma rays on the kidney bean and the soybean. S. G. Todoradze. *Sob. AN Gruz. SSR* 26 no. 6 715-718 Ja '61

**BEARING INDUSTRY—MANAGEMENT** see subdivision under Minsk**BEARINGS (MACHINERY)**

Calculating tapered hydrostatic thrust bearings. O. I. Begdanov, G. P. Kudiyavtsev. *Det. mash. i pod'em. -transp. mash.* no. 1 21-30 '65

Design of hydrostatic bearings. G. S. Emel'yanov. *Vest. mashinost.* 47 no. 1 25-27 Ja '67

Designing of thrust bearings. I. A. Tokar', B. I. Bialyi, A. S. Shain. *Emergomashinost.* 12 no. 11 28-31 N '66

Determining optimal preliminary tightening of doubled radial thrust bearings for the heads of diamond boring machines. G. G. Lunkova, K. V. Lomakina, M. M. Gliklikh. *Stan. i instr.* 38 no. 1 5-8 Ja '67

Experimental investigation of hydrostatic thrust bearings. G. P. Kudiyavtsev. *Det. mash. i pod'em. -transp. mash.* no. 1 24-28 '65

Temperature check in thrust bearings of hydrogenerators. A. E. Alekseev. *Elek. sta.* 35 no. 3 44-47 Mr '62

Using induction heating for hardening bearing rings. I. I. Kantor and others. *Trudy SSSR* no. 24 77-80 '61

- BEARINGS (MACHINERY)—LUBRICATION**  
Effect of lubrication on the wear of lathed roller chains  
B. V. Filimonov. Prikl. tekhn. zhurn., no. 13-34  
Ja '67
- BEAUTY SHOPS—DESIGN AND CONSTRUCTION**  
**Chesnokova, G.A.** [Designing barbershops and hairdress-  
ing establishments.] Prikladnoye stroitel'stvo  
Moskva, Stroizdat, 1966 87 p
- BEAVERS** see subdivision under Dnieper River
- BEBEL, AUGUST, 1840-1913**  
**Bebel, August.** [From my life. Translated from the  
German.] Iz moei zhizni. Moskva, Gosizd-vo polit.  
lit-ry, 1963. 799 p.  
(OU)
- BEDSTRAW**  
Phytochemical study of the Russian bedstraw (Gallium  
ruaticum). Report No. 1. V. I. Buryakov, I. U. H.  
Buryakov. Farmats. zhurn. 16 no. 3 43-47 '63
- BEE CULTURE**  
History and conditions for further development of the  
honey bee culture. A. N. Mel'nichenko. Vch. zap. GGU  
no. 50 212-227 '59.  
Use of antibiotic stimulants in bee keeping. P. P.  
Kopanavich. Vest sel'hoz nauk 11 no. 12:87-91  
D '66.
- BEE FLIES** see subdivision under Armenia
- BEE VENOM**  
Death from a bee sting. A. I. Shvarts. Sud.-med. ekspert  
9 no. 150 O-D '66
- BEECH**  
Output of beech stock from raw and dry boards. K. S.  
Khudlin. Les. bum. i der. prom. no. 3 71-73 '66  
Studying the output of sawn timber from beech logs.  
K. S. Khudlin, I. U. Ben'ko, M. I. Gerbet. Les. bum. i  
der. prom. no. 3 81-85 '66
- BEEF—STORAGE**  
Packaging and storage of beef in plastic films. N. T.  
Smol'skiy, P. I. Pugachev, V. M. Belizov. Khol. tekhn.  
43 no. 11 37-40 N '66
- BEEF CATTLE—FEEDING AND FEEDS**  
Meat productivity of Swiss bulls raised at reduced rates of  
concentrate. V. K. Kazakevich, M. D. Roncha. Vestsi  
AN BSSR, Ser. sel'hoz. nauk no. 4 89-94 '66  
Meat productivity of young black and white bulls raised  
at various levels of feeding. A. M. Akulava. Vestsi  
AN BSSR, Ser. sel'hoz. nauk no. 4 84-88 '66
- BEES**  
(see also subdivision under Guria)  
Communication movements of bees in the hive during  
the period of honey collecting, their nature and  
importance. A. N. Mel'nichenko, O. N. Selezneva.  
Vch. zap. GGU no. 50:228-246 '59  
Correlation between the number of bees on flowers and  
the indices of nectar productivity in plants. A. Mitro-  
fanova. Vch. zap. GGU no. 50:208-211 '59.
- BEESWAX**  
Wax productivity in the high-mountain bees of Guria. I. D.  
Mumladze. Soob. AN Gruz. SSR 27 no. 2 195-199 Ag  
'61
- BETTERIES**  
(see also subdivision under Armenia; White  
Russia)  
Feeding habits of *Phytonomus meles* F. and *Phytonomus*  
*nigritus* F. (Coleoptera, Curculionidae), clover  
pests. T. R. Iosadskiy, N. K. Lavrova, A. U. Birg.  
Vestsi AN BSSR, Ser. biol. nauk, no. 3 115-118 '66.  
Mass multiplication of the sugar beet weevil *Bothynoderes*  
*punctiventris* Germ. N. A. Taran. Trudy KISKHI 55:  
71-78 '66
- BETTERIES—EXTERMINATION**  
Contact toxicity of organochlorine compounds for the  
sugar beet weevils *Bothynoderes punctiventris* and  
*Tanymericus palliatus* N. M. Permiakova, I. G. Mol-  
chanova. Khim. v sel'khoz. 5 no. 1 31-32 Ja '67.  
Oxidative phosphorylation and glycolysis in the tissues of  
the sugar beet weevil *Bothynoderes punctiventris* poi-  
soned by insecticides. K. A. Gar and others. Khim. v  
sel'khoz. 5 no. 1 27-30 Ja '67.
- BERTS—DISEASES AND PESTS**  
Studying the comparative toxicity of some contact insecti-  
cides with regard to the beet aphid (*Aphis fabae* Scop.).  
K. S. Razmadze. Soob. AN Gruz. SSR 27 no. 2 201-208  
Ag '61
- BELENNITES** see subdivision under Caucasus
- BELGOROD—ACTIVITY PROGRAMS IN EDUCATION**  
Encounters with the beautiful. G. V. Shkanev, Vch.  
shkola 9 no. 5:76-77 S-O '66.
- BELGOROD-DNESTROVSKY (UKRAINE)—FLOUR MILLS**  
Labor achievements in the anniversary year by the  
collective of the Belgorod-Dnestrovskiy Milling Com-  
bine. I. Kravtsov. Muz. elev. prom. 33 no. 110 Ja '67
- BELGOROD-DNESTROVSKY (UKRAINE)—HARBOR**  
Past and future of the port of Belgorod-Dnestrovskiy  
M. Rashkovetskiy. Mor. flot 27 no. 1 16-17 Ja '67
- BELGOROD PROVINCE—COLLECTIVE FARMS**  
Economic effectiveness and characteristics of the  
specialization of collective farms in Belgorod Province.  
S. Moiseyev. Vest sel'hoz. nauk 11 no. 11:76-85 '66
- BELGOROD PROVINCE—COMMUNIST PARTY OF THE  
SOVIET UNION—PARTY WORK**  
Businesslike methods are the most important features  
of style. N. Vasil'ev. Part. zhizn' no. 4 28-31 F '67.
- BELGOROD PROVINCE—VEGETABLE TRADE—MAN-  
AGEMENT**  
Who needs impractical plans? D. Gritsenko. Zakup.  
sel'hoz. prod. no. 8 46 Ag '66.
- BELLADONNA**  
Preparation of diluted dry belladonna extract under  
pharmacy conditions. N. M. Kovalchuk. Farmats. zhurn.  
17 no. 2 81-82 '62
- BELOV, NIKOLAI VASIL'EVICH, 1891-**  
Nikolai Vasil'evich Belov, on his 75th birthday. N. N.  
Sheftal'. Vest. Mosk. un. Ser. 4 Geol. 21 no. 6 1-7 N-  
D '66
- BELOVEZHSKAYA PUSHCHA—GROUND BEETLES**  
Ground beetles of genus *Carabus* L. in Rylovskaya  
Pushcha. I. TS. Arzamasov. Vestsi AN BSSR, Ser. biol.  
nauk no. 4 114-118 '66
- BELTS AND BELTING**  
Design of fabrics for driving and conveyor belts. K. I.  
Kontskiy. Nauch.-issled. trudy TSNIKHI za 1963 g.  
243-270
- BELTS AND BELTING—TESTING**  
Stand with a closed power circuit for testing the service  
life of belts. V. A. Aranson, V. S. Romanenko. Kuch.  
izv. 26 no. 1 47-50 '67.
- BENCH MARKS**  
Experience in reconstructing wells into deep bench marks.  
N. P. Belous. Osn. i fund. izm. gran. 8 no. 5 15-  
36 '66
- BENDING MACHINES**  
Experimental investigation of force conditions for bend-  
ing sheet materials by roll forming methods. K. N.  
Boguslavskiy, A. K. Grigor'ev. Trudy LPI no. 260 63-  
67 '65  
SILG-61 Hydraulic machine for bending sheet metal for  
trees. Prom. stroit. i mash. soor. 8 no. 6 37 N-D '66.  
Semi-automatic pneumatic bending machine. P. M. Pchel'-  
nikov. Mashinostroitel' no. 1 21 Ja '67.
- BENGUELA CURRENT**  
Fluctuations in the intensity of Benguela Current. A. V.  
Gornichev. Trudy VNIRO 60:59-68 '66.
- BENTHOS** see subdivision under Kama Reservoir
- BENTONITE**  
Practical use of using bentonite for grouting rocks in under-  
ground construction (Hungary conclusion). I. K.  
Stanchenko, M. I. Chel'tsov. Shakht. stroit. 6 no. 11,  
27-30 N '61
- BENZENE**  
Alkylation of benzene with isoamylene in the presence  
of sulfuric acid. M. M. Melik-Zade and others. Sbor.  
trud AN NP no. 3 312-318 '58.  
Alkylation of o-xthalbenzenes with propylene in the  
presence of sulfuric acid. I. U. G. Mamedaliev, R. S.  
Altmerdanov. Dokl. AN Azerb. SSR 18 no. 3 21-23 '62  
Comparative data on the kinetics of benzene hydrogenation  
on Ni-Cu- and Ni-Co alloys. E. I. Evreinov, G. D.  
Lubarskiy. Khim. i tekhn. 7 no. 6 1085-1088 N-D '66.  
Dielectric relaxation in concentrated solutions of certain  
halogen derivatives of benzene. L. M. Imanov, K. E.  
Zulfugarzade. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn.  
nauk no. 5 39-44 '62  
Effect of conditions of isopropylbenzene hydroperoxide  
decomposition by sulfuric acid on formation of mesityl  
oxide. V. A. Levshin. Z. A. Prud'iyeva, V. A. Sido-  
rov. Neft. i neftekhim. no. 12 33-35 '66.  
Obtaining pyromellitic dianhydride by oxidation of durenic  
fraction. A. Kh. Sharipov, T. M. Khamanov, N. M.  
Beksheneva. Neft. i neftekhim. no. 8 33-35 '66.  
Sulfuric acid method of purifying benzol. A. P. Kolesov,  
V. Z. Sokolov. Koks i khim. no. 5 41-44 '62.  
Synthesis of tagged normal amylbenzene containing car-  
bon C14 in a side chain in the position 1 of the benzene  
ring. M. M. Melik-Zade and others. Sbor. trud AN NP  
no. 3 306-311 '58.  
Thermodynamics of benzene alkylation by propylene.  
N. A. Smirnova, A. A. Bakshish-Zade, I. I. Pisman.  
Azerb. neft. khoz. 43 no. 11:37-39 N '66.
- BENZENE—ELECTRIC PROPERTIES**  
Temperature dependence of dielectric relaxation in some  
halogen derivatives of benzene. I. M. Imanov, K. E.  
Zulfugarzade. Dokl. AN Azerb. SSR 18 no. 1 9-11 '62
- BENZENE DERIVATIVES**  
Photochemical reaction of benzene derivatives by the  
action of 2,4-dinitrofluorobenzene. S. I. Gerasimov, I. U.  
N. Tikhonov. Vest. Mosk. un. Ser. 4 Khim. 21 no. 6:  
95-98 N-D '66.
- BENZENESULFONIC ACID**  
Using centrifugation for removing ammonium salts of  
benzenesulfonic acids from alkylphenols. M. G. Mitro-  
fanov and others. K. Neft. i neftekhim. no. 8 18 of  
'66
- BENZIMIDAZOLE**  
Study of the solubility of dibenzol and of the optimum  
conditions for extracting it from aqueous solutions  
using organic solvents. Farmats. zhurn. 17 no. 2:  
28-31 '62.
- BENZIMIDAZOLE—PHYSIOLOGICAL EFFECT**  
Resistance to the cold and heat in animals receiving  
dibenzol or subjected to muscular training and acclima-  
tization. V. A. Rusla. Fiziol. zhurn. 39 no. 1 15-17  
M '63
- BENZOIC ACID**  
Catalytic esterification of benzoic acid with dimethyl eth-  
ylene glycol. N. S. Kozlov, A. G. Klein. Vch. zap. GGU no. 50:  
72-76 '65.  
Rhodotorula flava H-32 yeast as an indicator of par-  
amino-benzoic acid. S. V. Zhukova, E. N. Odina. Dokl.  
AN SSSR 17 no. 4 706-708 Ja '67.
- BENZOPYRENE**  
Detection of 3,4-benzopyrene in soil. N. P. Shestakov.  
Vop. onk. 13 no. 1 77-80 '67  
Methodology of determining small doses of 3,4-benzopy-  
rene in the skin in mice. L. A. Andropov. Biokh. i  
biol. med. 43 no. 1 100-102 Ja '67
- BENZOQUINOLINE**  
Synthesis of 5,6-benzoquinoline derivatives. Synthesis  
of 2-phenyl-5,6-benzoquinoline-1-carboxylic acid and its  
of its condensation with substances having mobile hydro-  
gen atoms. N. S. Kozlov, V. V. Altschulnikov. Vch. zap.  
GGU no. 50 56 '64
- BENZOQUINONE**  
Dehydrogenating activity of polynuclear quinones. A. A.  
Borilin and others. Izv. AN SSSR, Ser. khim. no. 1 50  
55 Ja '67.
- BENZOXAZOLE**  
Possibility of certain methods of catalytic synthesis of  
benzoxazoles. N. S. Kozlov, B. I. Kiselev. Vch. zap.  
GGU no. 50 21-26 '66.
- BENZYL ALCOHOL**  
Experimental induction of necrosis in the myocardium  
with laurine (isopropylmercaptan). I. U. V. Andropov,  
vch. zap. GGU no. 50:228-246 '59  
Petr. med. ind. 32 50-56 '64
- BERANGER, PIERRE JEAN DE, 1760-1857**  
Murav'eva, N. I. [Beranger] Beranger. Moskva, Mo-  
skva. G. I. I. (Zhizn' i zamechatel'nykh  
del. Seriya biografii, no. 7)  
(CAEU)
- BERING SEA—MARINE FAUNA**  
[Explorations of the Far Eastern seas of the U.S.S.R.]  
Issledovanie fauny dal'novostochnykh morya SSSR. Leni-  
ngrad, Izd-vo Akad. nauk SSSR, 1941-1962. 8 v.  
(OCS)
- BERKOV, PAVEL NAUMOVICH, 1896-**  
Pavel Naumovich Berkov, on his 70th birthday. V. F.  
Adrianova-Petruta. Izv. AN SSSR, Ser. filol. i yez.  
no. 6 539-545 N-D '66.
- BERLIN, BATTLE OF, 1945**  
Rzhyskaya, E. M. [Berlin, May 1945] Berlin, mai 1945.  
Izd. dop. Moskva, Sov. pisatel', 1967. 368 p.
- BERRIES** see subdivision under White Russia
- BERRIES—GRADING** see subdivision under Krasnodar  
Territory
- BERTHEMITE** see subdivision under Karamazov  
Mountains
- BERYL**  
Alteration processes of beryl. M. I. Iakovleva. Trudy  
Min. muz. no. 12 145-155 '61.  
Effective method for the quantitative determination of  
disseminated beryl in gneiss rocks. S. I. Iakovleva,  
Trudy MGRI no. 4 209-217 '60.  
Morphology of beryl crystals. V. A. Vasil'ev. Zap. Vses.  
min. ob-va 95 no. 6 726-729 '66.
- BERYL, EFFECT OF TEMPERATURE ON**  
Effect of calcination on structure of alkali beryl. V. A.  
Frank-Kamenetskii, T. A. Sosedko. Zap. Vses. min.  
ob-va 95 no. 6 728-736 '66.

## BERYLLIUM—METALLOGRAPHY

Microelectric of beryllium condensate surfaces. L. S. Palatnik, A. I. Edoienko. Fiz. met. i metalloved. 22 no. 6:936-938 D '66.

## BERYLLIUM COMPOUNDS

Samsanov, G. V. [Beryllides] Berillidy. Kiev, Naukova dumka, 1966. 107 p.

Structure of complex compounds of beryllium oxacetate with ammonia and aliphatic primary amines. A. I. Chigol'tsev, A. V. Novoselova. Dokl. AN SSSR 167 no. 2 312-315 Mr '66.

## BERYLLIUM CRYSTALS—GROWTH

Growth textures in beryllium condensates. L. S. Palatnik, A. I. Edoienko. Fiz. met. i metalloved. 22 no. 1:637-639 O '66.

BERYLLIUM-GERMANIUM ALLOYS see Germanium-beryllium alloys

BERYLLIUM-IRON-NICKEL ALLOYS see Iron-beryllium-nickel alloys

## BERYLLIUM ISOTOPLS

Content of the natural radioisotopes of beryllium 7 in the atmosphere at altitude of 9-10 kilometers. N. I. Polinikov, I. I. Samonov. Geokhimiya no. 11:967-970 '61.

## BESEL'S FUNCTIONS

Necessity and sufficient conditions for establishing the solution to the Cauchy problem. V. D. Romukov, S. D. Fedotman. Dokl. AN SSSR 167 no. 2 208-201 Mr '66.

## BESEMER PROCESS

Effect of certain technological factors in oxygen-blown converter smelting on wear of periclase-spinnel bricks. S. I. Izhbita, V. I. Fatin. Ognepriyem. 31 no. 12:27-32 D '66.

Kanlik, V. A. [Automatic control of steelmaking in oxygen-blown converters] Avtomatizatsiya proizvodstva stali v kislorodnykh konvertersakh. [Moskva, Metallurgiya, 1967] 282 p.

Making steel in 55-ton converters with top oxygen blow. S. G. Afanas'ev and others. Stal' 22 no. 5:408-412 My '62.

Technology of producing a low carbon semifinished product with an increased temperature. I. G. Shumakov and others. Stal' 21 no. 11:986-991 N '61.

## BESEMER PROCESS—THERMODYNAMICS

Thermodynamic oxidation reactions in a converter bath. A. R. Ivanov, V. V. Arkhipov. Izv. vuz. ucheb. ay. i. chem. met. 10 no. 1:34-40 '67.

BEST BOOKS—BIBLIOGRAPHY see Bibliography—Best books

## BETA RAYS—PHYSIOLOGICAL EFFECT

Determination of the absorption by the skeleton of  $\beta$ -particle energy of some isotopes in experimental conditions. N. K. Malinina, V. I. Panikarov, D. K. Popov. Vop. onk. 11 no. 1:56-59 '67.

## BETAINE

Hydrolysis of betaine. N. I. Pavloski and others. Ukr. khim. zhur. 32 no. 11:149-1251 '66.

## BEZHITSA (BRYANSK PROVINCE)—CONTINUOUS CASTING

Casting out the combination of continuous casting and rolling of steel on the experimental mill of Bezhitsa Steel Plant. O. G. Muzilevskii and others. Sbornik trudov TSNICHIM no. 11:5-11 '66.

## BIBLE—CRITICISM, INTERPRETATION, ETC.

General Principles. A. N. Karpov. Brat. vest. no. 1:31-43 '66.

Gospel according to St. Luke. Brat. vest. no. 4:50-56 '66.

Koslowski, Zenon. [Biblical legends. Translated from the Polish] Bibielskie skazanki. Moskva, Politizdat, 1968. 455 p.

Lonstein, J. A. [Comparing the Gospels] Sravnivaniya evangelii. Moskva, Politizdat, 1967. 189 p.

## BIBLE—CRITICISM, TEXTUAL

The Samaritan Pentateuch and oral Palestinian tradition. L. N. Vinnikov. Palest. sbor. no. 16:74-90 '66.

## BIBLE—MISCELLANEA

The secret of David's sling. A. M. Gavov-Ginsberg. Palest. sbor. no. 15:54-59 '66.

## BIBLIOGRAPHICAL SERVICES

Work of the Main Library of Social Sciences of the Academy of Sciences of the U.S.S.R. in the field of Slavic studies. L. A. Kaloeva. Sov. slav. no. 1:120-124 '67.

## BIBLIOGRAPHY

[Annual of Soviet books, classed index] Ezhegod. knigf SSSR, slat. ukaz. vol. 3 '66, publ. '66.

[Book chronicle] Knizh. lei. nos. 6-7 '67. Dopointel'nyi vypusk no. 12 '68.

[Chronicle of the publications of the White Russian S.S.R.] Let. druku BSSR nos. 8, 10, Ag. O '66.

[Information about library work and bibliography abroad, materials] Inform. o bibliot. dele i bibl. za rub. nos. 4-6 '66.

[Information index of bibliographical lists and card files] Inform. ukaz. bibl. spis. i kart. 10 no. 8 Ap '66; 11 nos. 3-4, 6 F-Mr '67.

New books. Nov. kniz. 38 no. 10:281-283 O '62.

New books. Nov. kniz. 38 no. 12:278-280 D '62.

[New books of the U.S.S.R.] Nov. knigi SSSR nos. 5-8, 11 Ja-Mr '67.

Once again about "the golden key." T. Shershtuk, V. mits. knig. 6 no. 6:12 '66.

## BIBLIOGRAPHY—AGRICULTURAL MACHINERY

New books. Tekh. v sel'khoz. 21 no. 12:68 D '61.

## BIBLIOGRAPHY—AGRICULTURE

[Agricultural literature of the U.S.S.R.] Sel'khoz. lit. SSSR nos. 1-2 '67.

For you, agricultural leaders. Knizh. tovg. 18 no. 1:13 Ja '67.

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bul. nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 2 10 nos. 4-9 F-Mr '67.

Moscow, Tsentral'naya nauchnaya sel'skokhoziaistvennaya biblioteka. [Union Index of bibliographic lists and card catalogs compiled by libraries of the Soviet Union in 1954, agriculture] Svyodnyi ukazatel' bibliograficheskikh spisokov i kartochek, sostavlenykh bibliotekami Sovetskogo Soyuza v 1954 godu, sel'skoe khoz. i sel'stvo. Moskva, 1966. 78 p.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V Biol., med., sel'. khoz. 11 no. 2 F '67.

Russian glossaries for agriculturists. N. Bochenkova. V mire knig. 6 no. 6:25 Je '66.

## BIBLIOGRAPHY—ANTARCTIC REGIONS

Bibliography. Inform. bul. Sov. antark. eksp. no. 28:52-51 '61.

Bibliography. Inform. bul. Sov. antark. eksp. no. 29:65-67 '61.

## BIBLIOGRAPHY—ARCHAEOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 1 '67.

## BIBLIOGRAPHY—ARCHITECTURE

Brief notes on the most important publications of the Academy printed by the State Construction Publishing House. Izv. ASIA no. 3:138-139 '61.

## BIBLIOGRAPHY—ART

[Information bulletin of new foreign books, received by the Lenin Library. Series 3: Social sciences, belles-lettres, art] Inform. bul. nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 3 Obshchestv. nauki, khud. lit., isk. 10 nos. 4-9 F-Mr '67.

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zrub. stran no. 1 '67.

## BIBLIOGRAPHY—ATHEISM

[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. ateiz. i rel. no. 1 '67.

## BIBLIOGRAPHY—BEST BOOKS

We recommend these books. V mire knig. 6 no. 6:14 Je '66.

## BIBLIOGRAPHY—BIBLIOGRAPHY—HISTORY

Kandel, B. L. [History of foreign countries: a bibliography of Russian bibliographies published in 1957-1965] Istoriya zarubezhnykh stran, bibliografiya i uskikh bibliografi, opublikovannykh s 1957 po 1965 god. Moskva, Kniga, 1966. 255 p.

## BIBLIOGRAPHY—BIOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. bul. nov. inostr. knig, poskup. v Bibl. im. V. I. Len. Ser. 2 10 nos. 4-9 F-Mr '67.

[New foreign books. Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V Biol., med., sel'. khoz. 11 no. 2 F '67.

## BIBLIOGRAPHY—BUILDING MATERIALS

New books published by the State Construction Printing House. Stroi. mat. 7 no. 11:40 N '61.

## BIBLIOGRAPHY—BULGARIA

[New literature on Bulgaria] Nov. lit. po Bolg. no. 1 '67.

## BIBLIOGRAPHY—COAL MINES AND MINING

New books. Ugol' Ukr. 6 no. 12:15-16 D '62.

## BIBLIOGRAPHY—COMMUNISM

Documentary materials and articles on the history of the CPSU and the Communist and labor movement published in December 1966 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS 11 no. 2:144-147 F '67.

New books. Agitator. 31 no. 2:64 Ja '67.

New books. Agitator. 34 no. 3:61 F '67.

New books. Part. zhizni. no. 2:79 Ja '67.

New books. Part. zhizni. no. 1:80 F '67.

## BIBLIOGRAPHY—COMMUNIST PARTIES

Articles on the history of Communist parties published in foreign countries. Vop. ist. KPSS 11 no. 2:142-143 F '67.

## BIBLIOGRAPHY—COMMUNIST PARTY OF THE SOVIET UNION

Documentary materials and articles on the history of the CPSU and the Communist and labor movement published in December 1966 in periodicals, bulletins, and scholarly serials. Vop. ist. KPSS 11 no. 2:144-147 F '67.

## BIBLIOGRAPHY—CONCRETE CONSTRUCTION

[For the concrete worker, a list of recommended literature] Betonshchiku, rekomendatsii knig i ukazatel' literatury. Moskva, Kniga, 1966. 35 p. (V pomoshch' rabochim stroytel'noi promyshlennosti, no. 3)

## BIBLIOGRAPHY—CONSTRUCTION EQUIPMENT

Contents of this magazine for 1961. Stroi. i dor. mash. 6 no. 12:39-3 of cover D '61.

From the pages of magazines. Stroi. i dor. mash. 6 no. 12:37-38 D '61.

## BIBLIOGRAPHY—CONSTRUCTION INDUSTRY

Brief notes on the most important publications of the Academy printed by the State Construction Publishing House. Izv. ASIA no. 3:138-139 '61.

Index of the articles which appeared in "Promyshlennost' Stroytel'stvo" Prom. stroi. 39 no. 12:61-64 '61.

## BIBLIOGRAPHY—DISLOCATIONS IN CRYSTALS

Akademiya nauk SSSR, Institut kristallografi. [Dislocations in crystals, a bibliographical index] Dislokatsii v kristallakh, bibliograficheskiy ukazatel', 1959-1961. Moskva, Nauka, No. 2, 1966. 366 p.

## BIBLIOGRAPHY—EARLY PRINTED BOOKS

First books published in Moscow in the collection of the Scientific Library of Saratov University. L. D. Iosipenko. Trudy Nauch. bibl. SGU no. 3:21-31 '64.

## BIBLIOGRAPHY—ECONOMICS

[New foreign books on the social sciences; economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv. naukam, ekon., filos., isl., mezhdunar. otn. no. 2 F '67.

[New foreign economic literature] Nov. inostr. ekon. lit. no. 1 '67.

[New Soviet economic literature] Nov. sov. ekon. lit. no. 12 '66.

## BIBLIOGRAPHY—EDUCATION

Recommended articles in periodicals. Nar. obr. no. 2:126 F '67.

## BIBLIOGRAPHY—ELECTRIC ENGINEERING

Dissertations for the degree of candidate in technical sciences. Elektricheskoye no. 1:83-91 Ja '67.

## BIBLIOGRAPHY—ENGELS, FRIEDRICH, 1820-1895

Bahmut, I. A., and P. M. Shmorhun. [Publication of the works of K. Marx and F. Engels in the Ukraine; bibliographic index] Vydannia tvoriv K. Marksa i F. Engela na Ukraini; bibliografichnyi pokazchyk. Vyd. 2, dop. Kharkiv, Red.-vyd. vididi knyzhkovoi palaty URSR, 1965. 76 p. (CSU-II)

## BIBLIOGRAPHY—ETHNOLOGY

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arkheol. i etn. no. 1 '67.

## BIBLIOGRAPHY—FARM MECHANIZATION

New books. Tekh. v sel'khoz. 21 no. 12:68 D '61.

## BIBLIOGRAPHY—GENETICS

Bibliography of foreign literature on genetics (July 1966). Genetika no. 11:159-174 '66.

Bibliography of foreign literature on genetics, August 1966. Genetika no. 12:128-145 '66.

## BIBLIOGRAPHY—GEOGRAPHY

Plan of the Publishing House of the Academy of Sciences of the U.S.S.R. for publications in the field of geology and geography for 1960. O. P. Serdiuk. Geol. zhur. 19 no. 6:108-109 '59.

## BIBLIOGRAPHY—GEOLOGY

Literature on geology for 1958 (to be continued). Geol. zhur. 19 no. 6:108-117 '58.

Plan of the Publishing House of the Academy of Sciences of the U.S.S.R. for publications in the field of geology and geography for 1960. O. P. Serdiuk. Geol. zhur. 19 no. 6:108-109 '59.

#### BIBLIOGRAPHY—HISTORY

History of the history of the historical sciences. Voprosy 42 no. 12 1967 Ja '67  
History of science in public libraries published in socialist countries. Voprosy 42 no. 12 1967 Ja '67  
Historical sciences in Soviet periodicals. Voprosy 42 no. 12 1967 Ja '67  
Sov. biogr. Voprosy 42 no. 12 1967 Ja '67  
[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv., naukam, ekon., filoz., ist., mezhdunar. otn. no. 2 F '67.

[New foreign literature on history, archaeology, and ethnography] Nov. inostr. lit. po ist., arheol. i etn. no. 1 '67.

#### BIBLIOGRAPHY—HUNGARY

[New literature on Hungary] Nov. lit. po Veng. no. 1 '67.

#### BIBLIOGRAPHY—HYDROGRAPHY

The science of maritime hydrography in Russia during the period from the 12th century to the beginning of the 20th century. V.I. Vicheslav. Trudy Inst. ist. i etn. 12 19 1967

#### BIBLIOGRAPHY—INDUSTRIAL BUILDINGS

Index of the articles which appeared in "Promyshlennoe Stroyel'stvo" Perm stroi. 39 no. 12 61-64 '61

#### BIBLIOGRAPHY—INTERNATIONAL RELATIONS

[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv., naukam, ekon., filoz., ist., mezhdunar. otn. no. 2 F '67

#### BIBLIOGRAPHY—KIRGHIZISTAN—GEOGRAPHY

Eastern Siberia in the Russian geographical literature of the first half of the 19th century. G. V. Naumov. Trudy Inst. ist. i etn. 42 49-62 '62

#### BIBLIOGRAPHY—LANGUAGE AND LANGUAGES

[New foreign literature on linguistics] Nov. inostr. lit. po laz. no. 1 '67

[New Soviet literature on linguistics] Nov. sov. lit. po laz. no. 1 '67.

#### BIBLIOGRAPHY—LAW

New legal studies published in September and October 1966 in the U.S.S.R. Sov. gos. i pravo no. 1 151-152 Ja '67

#### BIBLIOGRAPHY—LIBRARY SCIENCE

[Library science and bibliography, Ja-Mr '66] Bibliotekoved. i bibl. no. 1 '66.

#### BIBLIOGRAPHY—LITERATURE

[Information bulletin of new foreign books, received by the Lenin Library. Series 3 Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 3 Obshchestv. nauki, khud. lit., isk. 10 nos. 4-9 F-Mr '67

[Literature and art of the peoples of the U.S.S.R. and foreign countries] Lit. i isk. nar. SSSR i zarub. stran no. 1 '67.

#### BIBLIOGRAPHY—LITERATURE—HISTORY AND CRITICISM

[New foreign literature on the study of literature] Nov. inostr. lit. po lit. no. 1 '67.

[New Soviet literature on the study of literature] Nov. sov. lit. po lit. no. 1 '67.

#### BIBLIOGRAPHY—MARINE ENGINEERING

Design and operation of ship machinery and boilers. Sudostroenie 27 no. 140 Ja '61.

#### BIBLIOGRAPHY—MARX, KARL, 1818-1883

Bahmut, L.A., and P. M. Shmorhan. [Publication of the works of K. Marx and F. Engels in the Ukraine, bibliographic index] Vydannia tvoriv K. Marksa i F. Engelsa na Ukraini; bibliografichnyi pokazchik. Vyd. 2, dop. Kharkiv, Red.-vyd. vididil knyzhkovoi palaty URSR, 1965, 76 p. (CST-II)

#### BIBLIOGRAPHY—MEDICAL PARASITOLOGY

Soviet literature on problems of medical parasitology and parasitic diseases published during 1965. N. N. Dukhonina. Med. paraz. i paraz. bol. 35 no. 6, 737-743 N-D '66.

#### BIBLIOGRAPHY—MEDICINE

[Information bulletin of new foreign books, received by the Lenin Library. Series 2] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 2 10 nos. 4-9 F-Mr '67.

[New foreign books, Series V: Biology, medicine, agriculture] Nov. knigi za rub. Ser. V: Biol., med., sol'. Voz. 11 no. 2 F '67.

#### BIBLIOGRAPHY—MINERALS IN SOILS

Soil mineralogy. Pochvovedenie no. 4 131-132 Ap '60.

#### BIBLIOGRAPHY—MINING ENGINEERING

New publications. Ugol' 37 no. 12 60-61 D '62.

#### BIBLIOGRAPHY—MOLDAVIA

[Chronicle of the publications of the Moldavian S.S.R.] Lit. pech. Mold. SSR no. 3 31-S '65, publ. 1966.

#### BIBLIOGRAPHY—NON-FERROUS METALS

New technical publications. Tsvet. met. 33 no. 3 86-89 Mi '60

#### BIBLIOGRAPHY—OCEANOGRAPHY

Sources and principles of periodization of the history of oceanography. A. F. Plakhotnik. Trudy Inst. ist. i etn. 42 101-129 '62

#### BIBLIOGRAPHY—PERIODICALS

Gazety i zhurnaly SSSR na 1967 god. Newspapers and magazines of the USSR for 1967. Moscow, V. O. Mezhdunarodnaya kniga [in d.] 138 p. [in 5 languages]

#### BIBLIOGRAPHY—PHILOLOGY, COMPARATIVE

In memory of V. M. Illich-Svitych. V. A. Dybo. Sov. slav. no. 1 72-77 '67.

#### BIBLIOGRAPHY—PHILOSOPHY

[New foreign books on the social sciences, economics, philosophy, history, international relations] Nov. knigi za rub. po obshchestv., naukam, ekon., filoz., ist., mezhdunar. otn. no. 2 F '67.

[New foreign literature on philosophy] Nov. inostr. lit. po filoz. no. 1 '67

New philosophical studies. Vop. filoz. 21 no. 1 177-181 '67

[New Soviet literature on philosophy] Nov. sov. lit. po filoz. no. 1 '67.

#### BIBLIOGRAPHY—PIPE

Recently published. Stroi. truboprov. 6 no. 12 27 D '61.

#### BIBLIOGRAPHY—POLAR REGIONS—GEOLOGY

Bibliography on geology and minerals of the Arctic and Antarctic. Inform. biul. NIIGA no. 15 62-114 '59.

#### BIBLIOGRAPHY—POPULATION

[Achievements of science: Geography of the U.S.S.R.] Nog. nauki, Geografiia SSSR, Moskva.

No. 3. Pokhlebnevskii, V. V. [Geography of the population in the U.S.S.R.] Geografiia naseleniia v SSSR. 1966. 167 p. (Ser. Ia. Geografiia)

#### BIBLIOGRAPHY—POWER PLANTS—EQUIPMENT AND SUPPLIES

Development work completed by the State Trust for the Organization and Efficiency of Electric Power Plants during 1959. V. I. Timblovina. Teploenergetika 7 no. 8 91-95 Ag '60.

#### BIBLIOGRAPHY—RELIGION

[New Soviet and foreign literature on the problems of atheism and religion] Nov. sov. i inostr. lit. po vop. nats. i rel. no. 1 '67.

#### BIBLIOGRAPHY—ROAD MACHINERY

Contents of this magazine for 1961. Stroi i dor. mash. 6 no. 12 30-33 of cover D '61.  
From the pages of magazines. Stroi i dor. mash. 6 no. 12 37-38 D '61.

#### BIBLIOGRAPHY—ROZANOV, IVAN NIKANOROVICH, 1874-1959

Novikova, A. M. Ivan Nikanorovich Rozanov (1874-1959). [Moskva] Izd-vo Mosk. univ., 1966, 78 p. (Zamochatel'nye uchenye Moskovskogo universiteta, no. 30)

#### BIBLIOGRAPHY—ROMANIA

[New literature on Rumania] Nov. lit. po Rum. no. 2 '67.

#### BIBLIOGRAPHY—RUSSIA—ARMED FORCES

Faithful and dependable guardians of our country. A. Salikova. Biblioteka 44 no. 2 17-21 F '67.

#### BIBLIOGRAPHY—RUSSIA—REVOLUTION, 1917-1921

Books for the 50th anniversary of the October Revolution. Knizh. torg. 18 no. 1 52-53 Ja '67.

In our fathers' footsteps. Bibliotekar' 44 no. 2 27-32 F '67.

Preparing for the 50th anniversary of the October Revolution. G. V. Petriakov. Vop. ist. KPSS 11 no. 2 161-165 F '67.

#### BIBLIOGRAPHY—RUSSIAN LITERATURE

Prose literature in 1967. M. Lapehin. Knizh. torg. 18 no. 1 57-58 Ja '67.

#### BIBLIOGRAPHY—RUSSIAN POETRY

An encyclopedia of Russian poetry; a review of the issues of the "Poet's Library" series. G. S. Uyskin. Kniga, iss. i mat. 4 101-125 '61.

#### BIBLIOGRAPHY—SALTS

Survey of investigations in the field of fused salt electrochemistry for 1960. A. G. Morachevskii. Zhur. prikl. khim. 34 no. 6 1398-1411 Je '61.

#### BIBLIOGRAPHY—SARATOV—LIBRARIES, UNIVERSITY AND COLLEGE

A bibliography of articles and pamphlets on the Saratov Library of Saratov University published in 1972-1974. M. P. Budaeva. V. A. Gerasimova. Trudy Saratov. SGU no. 3 92-121 '61.

#### BIBLIOGRAPHY—SCIENCE

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 1 12 nos. 4-9 F-Mr '67.

Looking into the future. V mire knigi d. no. 6 19 11 To '66

[New foreign books. Series A: Mathematics, mechanics, astronomy, physics, geophysics, chemistry, geology, physical geography] Nov. knigi za rub. Ser. A 20 nos. 2-3 F-Mr '67.

#### BIBLIOGRAPHY—SHIP HANDLING

Ship building and operation. Sudostroenie 27 no. 1 10 Ja '61.

#### BIBLIOGRAPHY—SHIPBUILDING

Ship building and operation. Sudostroenie 27 no. 1 10 Ja '61.

#### BIBLIOGRAPHY—SLAVIC STUDIES

The most significant articles and material on the present-day situation. History, culture, and languages of the Slavs in foreign countries published in Soviet periodicals in July-September 1966. Sov. slav. no. 1 160-164 '67

[New literature on the general problems of Slavic studies] Nov. lit. po obshch. problemam. no. 4 '66.

Slavic studies published in foreign periodicals. no. 1 no. 1 107-108 '67.

Work of the Main Library of Social Sciences of the Academy of Sciences of the U.S.S.R. in the field of Slavic studies. I. A. Kuleva. Sov. slav. no. 1 120-124 '62

#### BIBLIOGRAPHY—SOCIAL SCIENCES

[Information bulletin of new foreign books, received by the Lenin Library. Series 3 Social sciences, belles-lettres, art] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 3 Obshchestv. nauki, khud. lit., isk. 10 nos. 4-9 F-Mr '67.

#### BIBLIOGRAPHY—SOIL CHEMISTRY

Chemistry and biochemistry of soils and methods of research. Pochvovedenie no. 4 111-116 Ap '60

#### BIBLIOGRAPHY—SOIL FORMATION

Soil formation factors, genesis, geography, and cartography of soils. Pochvovedenie no. 1 128-130 Ap '61

#### BIBLIOGRAPHY—SOIL PHYSICS

Physical properties of soil and methods of investigation. Pochvovedenie no. 4 132-141 Ap '60.

#### BIBLIOGRAPHY—SOILS

Bibliography. Pochvovedenie no. 1 118-116 Ja '61

Soil formation factors, genesis, geography, and cartography of soils. Pochvovedenie no. 4 128-130 Ap '61

#### BIBLIOGRAPHY—SURGERY

New books. Orlop, travm. i protet. 27 no. 12 54 12 '66.

#### BIBLIOGRAPHY—TECHNICAL EDUCATION

Through the pages of Soviet periodicals. Shkola i pechat. 10 no. 12 82-86 D '60.

#### BIBLIOGRAPHY—TECHNOLOGY

[Information bulletin of new foreign books, received by the Lenin Library. Series 1] Inform. biul. nov. inostr. knig, postup. v Bibl. im. V.I. Len. Ser. 1 12 nos. 4-9 F-Mr '67.

[New foreign books. Series B: Technology] Nov. knigi za rub. Ser. B: Tekh. 11 no. 2 F '67.

#### BIBLIOGRAPHY—TRUSTS, INDUSTRIAL

Organization of industrial trusts in the U.S.S.R. V. I. Pikhalo. Vop. ist. 42 no. 1 131-137 Ja '61.

#### BIBLIOGRAPHY—TURKMEN LANGUAGE

Turkmen language in 1967. Biblioteka 44 no. 2 27-32 F '67.  
Bibliography: 1924-1964. Turkmen language in 1967. 118 p.

#### BIBLIOGRAPHY—UKRAINE

[New books of the Ukrainian S.S.R.] Novi knyhy URSR nos. 20-30 O-D '66; no. 1 Ja '67.

#### BIBLIOGRAPHY—UKRAINE—GEOLOGY

Author index of literature on the geology of the Ukraine. 1966. V. M. Dolhova. Geol. zhur. 21 no. 1 90-94 '61

#### BIBLIOGRAPHY—VAKHSH RIVER—HYDROELECTRIC POWER STATIONS

Dushanbe. Gosudarstvennaya respublikanskaya biblioteka. Svyazno-bibliograficheskii otdel. [Peropadnala i "Golovnaia" Hydroelectric Power Stations: an index to the literature] Peropadnala i Golovnaia gidroelektrstantsii; ukazatel' literatury. Dushanbe, Irton, 1963, 21 p. (CST-H)

## BIBLIOGRAPHY—YUGOSLAVIA

[New literature on Yugoslavia] Nov. 11 po IUG. no. 1 '67.

## BIBLIOGRAPHY (THEORY, METHODS, ETC.)

[Library science and bibliography, Ja-Mi '66] Bibliotekoved. i Bibl. no. 1 '66

## BIBYBAT OIL FIELD—PETROLEUM

Bibi-Bat petroleum of the upper series as an important source for the production of special oils used in power engineering G. G. Ashimov, I. S. Stepanian, Sh. V. Veliev. Stroi. iuz. Az. NII NP. no. 156-60 '58

## BICYCLE RACING

System of competition in bicycle racing. V. A. Bakhtalov. Teor. i prakt. fiz. kul't. 29 no. 12-13 '66

## BILE

Age-related characteristics of secretion and enzymatic activity of mixed pancreatic and liver juice in sheep A. V. Priskudin, K. T. Tashenov. Trudy Inst. fiziol. AN Kazakh SSR 10 63-10 '66

Effect of cobalt on bile and pancreatic juice secretion in sheep M. A. Ruzhnikov. Trudy Inst. fiziol. AN Kazakh SSR 10 90-95 '66

Effect of the mineral water of the Sokolovogorskiy Spring (Saravov) on the secretion of pancreatic juice and bile and the discharge of bile S. A. Grogoleva, E. M. Ivanovskaya. Vop. ku. fiziol. i lech. fiz. kul't. 27 no. 6 500-503 N-D '62

Mechanism of reflex effect from mammary gland on secretion of bile and pancreatic juice in animals K. I. Tashenov, Sh. D. Simbinov, B. A. Kusebaeva. Trudy Inst. fiziol. AN Kazakh SSR 10 126-132 '66

Urea content in mixed pancreatic and liver juices in lambs as related to their age A. V. Priskudin. Trudy Inst. fiziol. AN Kazakh SSR 10 71-74 '66

## BILE DUCTS—DISEASES

Characteristics of the clinical course of gastric and duodenal peptic ulcer with lesions of the bile ducts O. S. Aver'yanova. Sov. med. 30 no. 1 91-95 Ja '67

Health resort therapy of patients with diseases of the liver and bile ducts A. S. Bishnavskii, A. K. Pislegin. Vop. ku. fiziol. i lech. fiz. kul't. 27 no. 6 481-488 N-D '62

Treatment of chronic diseases of the liver and bile ducts by the use of Uglich mineral water and paraffin V. A. Lileev. Vop. ku. fiziol. i lech. fiz. kul't. 27 no. 6 501-508 N-D '62

## BILE DUCTS—RADIOGRAPHY

Characteristics of the preparation and management of intravenous cholecystocholangiography. L. I. Gal'perin, I. M. Ostrovskaya. Khirurgiya 10 no. 11 76-81 N '62

## BILE DUCTS—SURGERY

Effect of partial bile removal and pancreatic juice on milk production K. T. Tashenov, B. N. Nikitina. Trudy Inst. fiziol. AN Kazakh SSR 10 75-80 '66

Postoperative biliary peritonitis. F. A. Maitulina. Khirurgiya 42 no. 12-46-57 D '66

Surgical treatment of high obstruction of bile ducts. A. I. Kravkovskii. Khirurgiya 42 no. 12 28-33 D '66

suturing of the common bile duct following cholecystectomy. G. M. Antonenkov. Khirurgiya 42 no. 12-25-20 D '66

## BILIARY CALCULI see Calculi, Biliary

## BILINGUALISM see subdivision under Kirghizistan

## BINDING ENERGY

Babikov, V. V., and V. S. Kiselev. [Description of elastic nucleon-nucleon scattering in a mesonic model of nuclear forces] Opisaniye uprugogo nukleon-nukleonogo rasseyaniya v mezonnoi modeli iadernykh sil. Dubna, 1967 16 p.

## BINDING MATERIALS

Alent'ev, O. O., and V. M. Il'rosheva. [Structural ceramics] Konstruktsionnaya keramika. Kyiv, Tekhnika, 1966, 71 p.

Hardening of binding substances in the presence of crystalline additions of varying structure. A. S. Panteleev, V. V. Timashev. Stroi. mat. 7 no. 12-32-34 D '61

Nephritic cement is a fireproof, highly active binding material P. I. Borshenov, V. I. Kavalerova. Stroi. mat. 7 no. 11-10-12 N '61

Organization of the production of a gypsum cement pozzolanic binding material in existing shops producing gypsum for the construction industry I. A. Vukhter and others. Stroi. mat. 7 no. 11-13-11 N '61

## BINDWEED

Eradication of field bindweed in a fallowed field. L. S. Rokhtanen, R. G. Ustulina. Khim. v sel'. khoz. 5 no. 11-11-42 Ja '67

## BIOCHEMISTRY

Biochemical control in sports. I. K. Sivkov. Teor. i prakt. fiz. kul't. 29 no. 12-60-62 D '66

Ferdman, D. L. [Biochemistry] Blokhimika. Izd. 3., pererab. i dop. Moskva, Vysshaya shkola, 1966, 642 p.

Physiological mechanisms of chemical heat regulation in the development of fetus E. A. Shevel'ko. Fiziol. zhur. 52 no. 11 1359-1367 N '66

Role of the reticular formation and anterior areas of the limbic cortex in the electrocorticographic picture of chemical changes in the internal environment. N. E. Vasil'skaya. Fiziol. zhur. 49 no. 3 293-298 Mi '63

## BIOLOGICAL PRODUCTS

Fractional method of determining mercury in biological material V. D. Iablochkin. Farmats. zhur. 18 no. 1 68-71 '61

## BIOLOGICAL RESEARCH see subdivision under White Russia

## BIOLOGICAL WARFARE—SAFETY MEASURES

Infections and protective forces. I. Bezdenetzhaykh. Voenn. znau. 11 no. 1 25 Ja '67

## BIOLOGY

Biological photometer. D. N. Lazarev, B. P. Bessalov, E. S. Petrova. Trudy GGO. no. 184 85-96 '66

## BIOLOGY—BIBLIOGRAPHY see Bibliography—Biology

## BIOLOGY—PHILOSOPHY

Basic forms of vitalism in present-day biology. A. I. A. Ilin. Vest. Mosk. un. Ser. 8. Filoz. 21 no. 6 30-38 N-D '66

Once again on parity principles. Otkri. 43 no. 12-163-168 D '65

## BIOLOGY—STUDY AND TEACHING

Vocational training and physicoecological experiments. I. Baikov. Nauch. obr. no. 2 53-57 I '67

## BIOLUMINESCENCE

Participation of tryptophan and tyrosine residues in protein luminescence V. P. Babrovich, S. V. Konev. Vestn. AN BSSR Ser. biol. nauk. no. 110-113 '66

## BIOMATHEMATICS

Mathematical model for studying relationship between animals of prey and their victims. P. S. Iuzovskii. Dokl. AN BSSR 10 no. 11-901-901 N '66

Supplement to the article "Conditions necessary for the existence of positive periodical solutions of some nonlinear second order systems." G. I. Iuzefovich, V. A. Iangauzer. Biofizika 11 no. 5 935-936 '66

## BIOMETRY

Results of statistical studies of motor conditioned reflexes in rats V. N. Semagin. Trudy Inst. vys. nerv. deiat. Ser. psichiol. 10 155-176 '62

## BIONICS

Bionic matrices of formal neurons. A. S. Kuzlichyev. Vest. Mosk. un. Ser. 1. Mat., mekh. 22 no. 1 51-55 Ja-I '67

Necessity of wide application of botanical objects in bionics T. G. Tsalunian. Biol. zhur. Arm. 10 no. 12 90-95 D '66

Prokhorov, A. I. [Engineer learns from nature] Inzhener uchitsya u prirody. Moskva, Znaniye, 1967, 124 p. (Mirovyy universitet. Estestvennonauchnyy fakul'tet, 1/2)

Samvelian, K. V. [Insect "patents"] "Patenty" nasekomykh Moskva, Ob-vo "Znanie" RSFSR, 1965, 20 p. (Lektori o biologii)

## BIOPSY

Consultations in the examination of biopsy. A. V. Smol'skanskoy, O. K. Khmet'nitskii. Arkh. pat. 28 no. 12 60-62 '66

## BIOSYNTHESIS

Effect of some fats on the biosynthesis of antibiotic 255 G. Shelkova, P. Isov, I. Georgieva. Antibiotiki 12 no. 1 10-12 Ja '67

## BIOTIC COMMUNITIES—CONGRESSES

Trophodynamics of marine communities: symposium to be held in 1968 by FAO, ICES, and ICNAF. L. G. Vinogradov. Okeanologiya 4 no. 6 1107-1112 '66

## BIPHENYL

Complex formation of amino derivatives of biphenyl, diphenyl sulfide, and diphenyl oxide. B. V. Tronov and others. Trudy TGU 185 3-5 '63

## BIRCH

Effect of birch on the growth and productivity of spruce in plantations A. I. Skavysh. Izv. vys. ucheb. zav.; les. zhur. 9 no. 6 28-31 '66

Effect of birch stands on soil properties P. P. Ragavy, I. A. Raptunovich. Vestn. AN BSSR Ser. biol. nauk. no. 4 52-58 '66

Effect of the curvature of birch logs on the output of sawn timber. S. N. Rykmin. Les. bum. i der. prom. no. 3 65-71 '66

## BIRD LICE see subdivision under Kara Kum Canal region; Moldova

## BIRDS

(see also subdivision under Georgia)

Artists of the woods. Aleksandr Darkov. Sem'ia i shkola 21 no. 7 54-55 Ji '66

Electrophoretic analysis of hemoglobins in various bird species R. F. Sukhomlinov, V. A. Kuzminskiy, I. D. Chumakov. Dop. AN URSS no. 12 1607-1608 '66

## BIRDS—BEHAVIOR

Birds of cultivated landscapes L. N. Bilyashch. Priroda no. 1 124-125 Ja '67

Encounters with thrushes. N. Bender. Nach. shkola 35 no. 2 38-39 I '67

## BIRDS—CLASSIFICATION

Study of protein fractions of blood serum in some bird species by paper electrophoresis method; utilization of this method for taxonomic purposes N. N. Kartashev, I. A. Gel'son, S. P. Gromakov. Zool. zhur. 45 no. 12 1813-1851 '66

## BIRDS—MIGRATION see subdivision under Kalmyk A.S.S.R., White Russia

## BIRDS—PARASITES see Parasites—Birds

## BIRDS, FOSSIL see subdivision under Caucasus

## BIRDS, INJURIOUS AND BENEFICIAL

Attract birds to orchards. E. Golovanova. Zashch. rast. 12 no. 1 140-11 '67

## BISMUTH—ANALYSIS

Calorimetric-photometric determination of bismuth in nitrates by means of pyrazolinedithiocarbamates A. I. Busev, V. M. Byr'ko, R. G. Zhukova. Vest. Mosk. un. Ser. 2. Khim. 21 no. 6 72-76 N-D '66

## BISMUTH—ELASTIC PROPERTIES

Isotropic and anisotropic changes in electric resistance, thermoelectric, and Hall coefficient following plastic deformation in bismuth V. I. Prokoshin. Dokl. AN BSSR 10 no. 11 859-863 N '66

## BITKOV OIL FIELD—PARAFFIN WAX

Paraffin deposition in well bottom zone. V. S. Ivanishin, G. F. Zima, D. A. Bekh. Neft i gaz prom. no. 6 24-27 N-D '66

## BITTERN see subdivision under Dnieper Valley

## BITS (DRILLING AND BORING)

(see also subdivision under Azerbaijan, Dnieper-Donets Lowland; Donets Basin)

Effect of stepped bit on deviation of hole. I. U. Zulflov and others. Azerb. neft. khoz. 45 no. 11 17-19 N '66

Kinematics of one-roller bit with spherical roller; as a topic for discussion. V. V. Simonov and others. Neft. khoz. 45 no. 12 15-20 D '66

Preliminary results of and prospects for using diamond bits in oil and gas drilling A. A. Asak-Nuri, P. A. Palt, G. S. Gevoikov. Neft. khoz. 45 no. 11 15-18 N '66

Small cutting bits. M. L. Rubinshtein, V. S. Travkin, I. V. Politskov. Blud. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11 46-49 N '66

Some causes of diamond bit freezing. V. S. Ovcharenko and others. Neft. khoz. 44 no. 12 62-65 D '66

Types of wear and breakup of supports of small roller bits V. N. Vinogradov, G. M. Sorokin, A. N. Pashkov. Neft. khoz. 44 no. 10 15-18 D '66

## BITS (DRILLING AND BORING)—DESIGN AND CONSTRUCTION

Box-hole drilling for smooth blasting with small-diameter roller bits M. G. Abramson. Vozryv. delo. no. 61 81-60-66 '66

## BITUMEN

Method to control activity of bitumens and their components. V. N. Finashin. Neft. i neftekhim. no. 10 16-17 '66

Plant testing of special petroleum bitumen in production of storage battery tanks. Sh. Sh. Spektor, L. G. Zakharenko, T. A. Melikants. Neft. i neftekhim. no. 8 21-24 '66

## BITUMEN—GEOLOGY see subdivision under Caucasus, Northern; Krasnoyarsk Territory; Kurayn Valley

## BITUMEN—STANDARDS

New standard for petroleum bitumens. T. A. Radushnova, L. A. Leplikhova, E. S. Zhuravleva. Stroi. truboprov. 6 no. 12 11 D '61

## BITUMINOUS MATERIALS

Oil-bituminous lacquers based on plasticized rhodopsin. K. K. Dzhamalov, P. D. Tshkarishvili. Soob. AN Gruz. SSR 44 no. 3 601-602 D '66

Particular features in the stabilization of bituminous and road emulsions [with summary in English]. L. A. Kremnev, L. A. Borodina. Koll. zhur. 23 no. 3 280-294 My-Je '61

## BITUMINOUS ROOFING see Roofing, Bituminous

## BLACK LANDS see Chernyye Zemli

## BLACK LIGHT INSPECTION see Penetrant Inspection



## BLACK ROT

Possibilities of the use of growth promoting substances in protecting apple from black rot. V. P. Prihod'ko. Trudy KISHIKH 56 72-77 '66

## BLACK SEA—CALCIUM CARBONATE

Saturation of Black Sea water with calcium carbonate. O. A. Alekin, N. P. Monicheva. Dokl. AN SSSR 167 no 2 423-425 Mar '66

## BLACK SEA—MOLLUSKS

Development of shells of certain bivalve mollusks in ontogenesis. L. A. Novosheva. Biol. MOIP Otd. geol. 36 no 3 152-153 Mar-June '61

## BLACK SEA—SHORE PROTECTION

New method of erecting structures. F. P. Gorbun. Puti put. khoz. 10 no 7 35-36 '66  
Protection of the shores of the Black Sea is a matter of state importance. G. V. Vardosanidze. Puti put. khoz. 10 no 7 31-32 '66

## BLACK SEA—SLOPES (PHYSICAL GEOGRAPHY)

Stabilization of slopes. M. N. Tsina. Puti put. khoz. 10 no 7 31-35 '66

## BLACK SEA—TUNGSTEN

Tungsten in recent sediments of Black Sea. M. F. Filipchuk, L. I. Volkov. Dokl. AN SSSR 167 no 2 430-433 Mar '66

## BLACK SEA—ZOOPLANKTON

Biology of hyponeuston of northwestern part of Black Sea in the area of Berezan' Island. A. K. Vinogradov. Gidrobiol. zhurn. 2 no 6 57-59 '66

## BLACK SEA DEPRESSION—GEOLOGY, STRATIGRAPHIC

Find of paleontologically identified Upper Oligocene sediments in the Black Sea Depression. A. O. Vessilov, M. F. Nosovskiy. Dop. AN URSSR no 7 952-951 '62

## BLACK SEA DEPRESSION—MINES AND MINERAL RESOURCES

Neogene terrigenous-mineralogical provinces of Black Sea Depression. A. P. Agulov. Dokl. AN SSSR 172 no 3 669-672 Jan '67

## BLACK SEA DEPRESSION—ROCKS, SEDIMENTARY

Neogene terrigenous-mineralogical provinces of Black Sea Depression. A. P. Agulov. Dokl. AN SSSR 172 no 3 669-672 Jan '67

## BLACK SEA LOWLAND—GEOLOGY, STRATIGRAPHIC

Stratigraphy of Cretaceous and Paleogene sediments on the northern slope of the Black Sea Lowland. N. D. Cheludak and others. Geol. zhurn. 21 no 2 80-85 '61

## BLACK SEA REGION—COINS, ANCIENT

Numismatic finds of the Pilsunda Archaeological Expedition, 1953-1959. D. G. Kapanadze. Vest. drev. ist. no 4 173-179 '66

## BLACK SEA REGION—FISHERIES—RESEARCH

Results of the fishing exploitation work of the Fifth Expedition of Azov-Black Sea Fisheries Scientific Institute. O. I. Sakovets. Ryb. khoz. 43 no 1 6-8 '67

## BLACK SEA REGION—LANDSLIDES

Controlling landslides along the Black Sea coast. H. I. Paztuk. Geol. zhurn. 19 no 6 121-122 '59

## BLACK SEA REGION—PALEONTOLOGY, STRATIGRAPHIC

New data on the distribution of Chokrak sediments in the Black Sea Lowland. Iu. B. Bass and others. Geol. zhurn. 19 no 6 89-92 '59

## BLACK SEA REGION—REVOLUTION OF 1905

You do your duty even today, battleship "Potemkin"! V. I. Fal'akhi. Mol. komm. no 6 83-87 Jan '61

## BLACK SEA REGION—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Medvedev, R. Ia. [There were 68 of us. As told to Ivan Zhigalov]. Nas bylo 68. Literaturnaya zapiska Ivana Zhigalova. Izd. perer. i dop. Moskva, DCSAAF, 1966. 79 p.

## BLACKFLIES—GENETIC RESEARCH

Chromosomal polymorphism in the population of flies of Eusimulium latipes latipes species (Diptera). T. P. Petukhina. Genetika no. 12 70-84 '66  
Variation of karyotype in Eusimulium securiforme from a natural population. V. D. Simonenko. Genetika no. 11 83-88 '66

## BLADDER—DISEASES

Case of a tumor-like radiation lesion of the bladder following X-ray treatment of ovarian cystoma. Iu. Kh. Sarkisian. Med. rad. 7 no. 10 38-41 Oct '62

## BLADES

Fundamentals of the theory of twisted blades with a non-straight axis. B. F. Shorr. Proch. i din. av. dvig. no. 3 188-213 '66

## BLADES—TESTING

Determining the damping properties of blade materials and blade designs. K. A. Prokofiev, Iu. A. Vidlakin. Energomashinostroenie 8 no. 10 113-16 Oct '60

## BLADES—VIBRATION

Experimental investigation of vibrations of blades of a flat grid. V. A. Kulagina. Dop. msh. i stroit. app. no. 1 98-120 '66

## BLAST EFFECT

(see also subdivision under Konisomol'sk, Ukraine)  
Studying seismic effect of blasting in open-pit mines. A. F. Alekseyenko. Izv. vuz. ucheb. zav. i got. zhurn. 8 no. 9 68-72 '65

## BLAST FURNACES

(see also subdivision under Ukraine)

Taking of coal and ore biquets as a method of pelletizing and chemical preparation of ores for blast furnace smelting. V. I. Matveyev, D. M. Tsina. Trudy Khim. i met. inst. Sib. otd. AN SSSR no 16 105-113 '61

Device for measuring the temperature of a blast furnace hearth. Stal' 21 no 11 991 N '61

Distribution of sulfur between the charge mixture and products of smelting in a blast furnace. G. A. Volovik. Stal' 21 no. 11 987-971 N '61

New developments in research. L. L. Kunn and others. Stal' 22 no 5 418-419 My '62

Using natural gas in making phosphorus converter pig iron. B. N. Strashinov and others. Stal' 22 no 5 596-400 My '62

Utilization of the gauge pressure of blast furnace gas. B. V. Sarauov. Stal' 22 no. 5 171-175 My '62

Utilization of the gauge pressure of blast furnace gas in the blast furnace. I. G. Tikhomirov. Stal' 22 no. 5 476-477 My '62

## BLAST FURNACES—EQUIPMENT AND SUPPLIES

Centralized system of exhaust ventilation and conveyor feed of charge. N. P. Kokarev, R. A. Kucherskiy. Biol. tekhn. i ekon. inform. Gos. nauch. i. inst. nauch. i tekhn. inform. 19 no 11 80-81 N '66

Device for the continuous control of the composition, temperature, and pressure of gas along the cross section of a blast furnace. Stal' 21 no 11 978 N '61

Economic efficiency of improved preparation of raw materials for blast furnace smelting. G. N. Mamonova, V. M. Sobolev. Izv. vuz. ucheb. zav. i. chem. met. 10 no. 1 280-288 '67

Interfacial tension in products of blast furnace smelting of titanium magnetites and metal losses in slag. I. N. Zakharov and others. Izv. AN SSSR. Met. no. 1 24-30 Jan '67

Centrifugal compressor. I. I. Druzhinin. Energomashinostroenie 12 no 11 42 N '66

Kozhukh, V. Ia., N. N. Temnokhud, and N. P. Onishchenko. [Automatic gas analysis in blast furnaces]. Avtomaticheskoe gazoanalizirovaniye na domennykh pechakh. Moskva, Metallurgiya, 1967. 72 p.

Results of the hydropneumatic cleaning of slurry pipes in a circulating water supply system for the purification of blast furnace gas. V. D. Sleptkov. Stal' 21 no 11 1017-1018 N '61

## BLAST FURNACES—MAINTENANCE AND REPAIR

Working of the blast furnace hearth. N. N. Babarykin and others. Stal' 22 no 5 401-408 My '62

Forced water and air cooling of a regenerator during the repair of the middle of open-hearth furnaces. A. A. Matykh, A. M. Spitina. Stal' 22 no. 5 478-479 My '62

Investigating the metal from the seams of the blast furnace shaft and body. I. M. Gilemin, R. I. Banskeldt. Stal' 22 no. 5 106-107 My '62

## BLASTING

Analysis of pinpoint blasting. R. Ia. Straussman. Vzyv. delo no. 61/81:175-187 '66

Baron, L. I., and A. V. Kitchukov. [Smooth blasting in mining operations]. Konferentsiya vzyvayut pri prokhozke vyrbotok. Leningrad, Nauka, 1967. 202 p.

Blastability of rocks. S. A. Davydov. Vzyv. delo no. 61/81:109-117 '66

Boiling and blasting operations at Balakovo in reinforced-concrete grain elevator. I. A. Rovenan. Vzyv. delo no 61/81:201-205 '66

Boiling and blasting operations for demolishing refinery brickwork and slag in opening open-hearth furnaces. P. P. Dul'tsev. Vzyv. delo no 61/81:201-212 '66

Boring and blasting operations in the building of foundations on piles with pedestals. V. Ia. Vorobei. Vzyv. delo no. 61/81:213-218 '66

Building underground structures using underground explosions. A. S. Dobina, N. A. Evstropov. Transp. stroit. 18 no. 4 47-49 Apr '68

Calculating guaranteed current during multiple electric blasting. N. G. Petrov. Vzyv. delo no. 60/17:218-221 '66

Certain characteristics of boring and blasting operations during tunnel driving in building Nurek Hydr. electric Power Station. D. M. Pashkin, A. P. Semin. Vzyv. delo no. 61/81:204-209 '66

Certain problems in planning boring and blasting operations. R. Ia. Straussman. Vzyv. delo no. 61/81:136-144 '66

Charging boreholes with an air space between the charge and the stemming. V. E. Aleksandrov, A. F. Steltingari, V. V. Pidgora. Ugol' Ukr. 6 no. 12 15-16 Dec '62

Construction of canals by blasting with rejection of soil. A. I. Chevkin. Gid. i mel. 19 no 1 61-64 Jan '67

Damming of Vakhsh River by blasting in building "Kuchik" hydroelectric Power Station. A. A. Silyaev. Vzyv. delo no. 61/81:280-281 '66

Data certificate for boring and blasting operations in coal mines. M. A. Magulchikov, V. N. Diady. Ugl. i 37 no. 12 18-20 Dec '62

Delaying-action compound with low gas content. V. G. Biliukov, A. F. Chumak. Vzyv. delo no. 60/17:224-236 '66

Determining the value of the line of resistance from bench bottoms during blasting of columnar and fissured sedimentary rocks. N. Ia. Rypin. Ugl. i pov. Ugol' 12 no 1 26-29 Jan '67

Experience in boring and blasting operations in building Bratsk hydroelectric Power Station. H. I. Shumakov, A. G. Lysykhin. Vzyv. delo no 61/81:211-220 '66

Experience in boring and blasting operations in deepening piles. A. T. Volov, V. I. Shkman. Vzyv. delo no 61/81:187-191 '66

Large-scale blasting at "Melovoy potval" in deepening construction. V. N. Poletsev. Vzyv. delo no 61/81:192-201 '66

Main trends in the development of boring and blasting operations in hydraulic engineering. A. G. Bogdanov. Vzyv. delo no. 61/81:280-287 '66

Making cavities in rock with massive explosions. I. P. Alekseev. Transp. stroit. 16 no. 3 4-6 Mar '66

Parameters of boring and smooth blasting operations in underground workings. V. I. Korshikov. Vzyv. delo no. 61/81:5-11 '66

Planning boring and blasting operations in construction work. A. V. Korshikov, B. I. Kamenka. Vzyv. delo no. 61/81:121-136 '66

Potentials for increasing labor productivity in drilling operations. V. D. Tshalets, Shkht. stroit. 5 no. 11 17-20 N '61

Problems in using water-filled explosives. A. V. Lysykhin. Vzyv. delo no. 60/17:173-188 '66

Results of studies on reducing seismic effect of large-scale blasting. N. U. Tshutina and others. Vzyv. delo no 61/81:101-109 '66

Smooth blasting in building Krasnoyarsk hydroelectric Power Station. A. A. Feshchenko. Vzyv. delo no 61/81:21-34 '66

Smooth blasting in open-pit mining. S. A. Davydov, R. A. Pallvoda. Vzyv. delo no 61/81:11-21 '66

Studying and testing new safety explosives. N. G. Bakhtevich and others. Vzyv. delo no. 60/17:11-13 '66

Studying seismic effect during explosion of borehole charges in vicinity of buildings. Iu. V. Apinba. Vzyv. delo no. 61/81:79-101 '66

## BLASTING—COSTS

Selecting an efficient type of explosive depending upon properties of rocks. G. K. Kotov. Izv. vuz. ucheb. zav. i got. zhurn. 8 no. 10 84-87 '65

## BLASTING—EQUIPMENT AND SUPPLIES

Determining the protective layer thickness during blasting operations in making foundation pits and other works for important hydraulic engineering installations. B. I. Kamenka, A. A. Feshchenko. Vzyv. delo no 61/81:41-59 '66

Effect of blasting upon a massif and filtering properties of rocks. V. K. Rubtsov. Vzyv. delo no. 61/81:14-19 '66

An efficient method of using trolly and maktret in Krivoy Rog Basin. I. Koleshenchenko, Iu. S. Mlet. Vzyv. delo no. 60/17:205-209 '66

Increasing the degree of effective use of blasting energy. G. P. Demiduk. Vzyv. delo no. 60/17:237-243 '66

Influence of the size and materials of stemming on the composition and amount of poison gases generated during blasting. B. D. Rogal. Vzyv. delo no. 60/17:254-257 '66

Influence of the speed of applying pressure upon strength characteristics of metallic links for use in blasting cartridges. V. F. Shorshenkin. Vzyv. delo no. 60/17:286-293 '66

Special features in conducting boring and blasting operations for the construction of Toktogul Hydroelectric Power Station. V. P. Zorin, A. V. Kotsepniga. Vzyv. delo no. 61/81:269-280 '66

VMK-1/100 condenser discharge blaster. Shkht. stroit. 5 no. 11 3 of cover N 61.

## BLASTING—MECHANIZATION

Mechanization of charging boreholes and charges in boreholes. A. A. Silaev. Vzyv. delo no. 61/81:73-77 '66

## BLASTING—MODELS

Use of similitude method for correcting charges in pinpoint blasting. E. I. Shifrin. Vzyv. delo no. 61/81:141-160 '66

## BLASTING—SAFETY MEASURES

(see also subdivision under Donets Basin; Kuznetsk Basin; Murmansk Province)

Influence of commutation diagrams on results of blasting. I. V. Klevtsov. Vzyv. delo no. 60/17:273-280 '66



## BLOOD PRESSURE

- Central mechanisms of the regulation of blood supply and respiration in monkeys. I. T. Dzhelez, N. I. Lagutina, V. V. Lufacheva. *Fiziol. zhur.* 1969, 3: 330-337. 1969.
- Changes in the blood pressure and respiration due to the external action of ionizing radiation. A. Sh. Kadareishvili. *Zh. obshch. i klin. med.* 1969, 2: 209-215. 1969.
- Changes in the blood pressure and respiration in myocardial infarction. E. V. Zemtsovskaya. *Trudy LPI* 37:173-180. 1963.
- Effect of weather during solar and sea baths on arterial pressure. M. I. Bolker. *Vop. kuz. i fiziol. i tekhn. fiz. kul't.* 31 no. 6: 554-558. 1966.
- Fluorographic observations in insufficiency of blood circulation. B. K. Bakisley. *Trud. LPM* 37:86-89. 1965.
- Influence of blood pressure in the brain and its morphological manifestation. I. V. Gannushkina. *Zhur. nevro. i psikh.* 62 no. 11:1616-1620. 1962.

## BLOOD PRESSURE, HIGH see Hypertension

## BLOOD PROTEINS

- Changes in blood proteins in animals following prolonged fractional X-ray irradiation. A. B. Rusakov, Z. I. Vainer. *Med. rad.* 11 no. 12: 55. D. 1966.
- Changes in blood serum protein fractions in acute cholecystitis. A. G. Litvinova and others. *Khirurgiya* 42 no. 12: 59-61. D. 1966.
- Content of protein and interrelation of protein fractions in the blood serum of sheep in connection with their wool yield. M. F. Krotov, M. T. Katiyev, A. I. Badenko. *Vest. akad. nauk i Kazakh. i 10 no. 1: 68-71. Ja. 1967.*
- Diphenylamine test and C-reactive protein in the diagnosis of coronary disease. O. D. Grigor'eva. *Trudy LPM* 37:72-76. 1965.
- Effect of antibiotic therapy on the dynamics of blood serum protein fractions in patients with dysentery. A. I. Spectator. *Antibiotiki* 12 no. 1: 83-87. Ja. 1967.
- Electrophoresis of blood proteins in erythremia following treatment with radioactive phosphorus. N. V. Nikolayev, B. P. Shvedskiy, N. D. Potush. *Probl. gemat. i perel. krov.* 12 no. 1: 32-34. Ja. 1967.
- Immunological properties of denaturated blood serum proteins of rabbits subjected to ionizing radiation. L. G. Protopopko. *Radiofizika* 2 no. 4: 560-585. 1962.
- Period of protein synthesis in leucocytes of human peripheral blood cultivated in vitro, a radiographic study. L. I. Levina, S. I. Polikarpova, I. M. Shapira. *Dokl. AN SSSR* 171 no. 4: 986-991. D. 1966.

## BLOOD VESSELS

- L'vovskiy gosudarstvennyi meditsinskii institut. [Current problems of functional anatomy of the vascular system, abstracts of reports of the scientific conference held March 25-26, 1966] Aktual'nye problemy funktsional'nol anatomii sosedstvol'stva, kratkoe soderzhanie dokladov nauchnoi konferentsii 25-26 marta 1966 g. L'vov, 1966, 107 p.

## BLOOD VESSELS—DISEASES

- Lesions of the veins in arteritis of the lower extremities. P. Bruncu, C. Sarmesiu, M. Stefanovic. *Khirurgiya* 38 no. 11: 108-111. N. 1962.
- Use of Callender's method in the amputation of the hip in vascular diseases. V. N. Vilostanov, Ortop. i travm. i protez. 27 no. 12: 60-62. D. 1966.
- Vasculitis and inflammation. V. A. Val'dman. *Trudy LPM* 37:20-26. 1965.

## BLOOD VESSELS—INFLAMMATION

- Some problems of the clinical aspects and treatment of disseminated angitis. G. A. Dashatants, E. M. Tarstakia. *Shor. nauch. trud. SOGMI* no. 10: 23-25. 1961.

## BLOOD VESSELS—INNERVATION

- Dynamics of the vasculovascular reactivity in a late period in persons having had dysentery, based on skin temperature data. V. A. Krivonogov, *Trudy Turk. nauch. i issl. inst. klm., kur. i fiz. metod. lech.* 8:107-112. 1965.
- Effect of aminazine on vascular unconditioned and conditioned reflexes in dogs. A. T. Pashnik, A. A. Gibanov, *Zhur. vop. nerv. i psikh.* 12 no. 6: 1048-1054. N-D. 1962.
- Vasculovascular disorders based on thermometric data in patients with appendicitis. I. M. Volobuev, *Trudy Turk. nauch. i issl. inst. klm., kur. i fiz. metod. lech.* 8:113-118. 1965.

## BLOOD VESSELS—SURGERY

- Modification of angiotomy in sheep. K. T. Tashonov, L. V. Gorokhova. *Trudy Inst. fiziol. AN Kazakh SSR* 10: 210-212. 1968.

## BLOOD VESSELS—TUMORS

- Bilateral papilloma of the cerebral vascular plexus. G. V. Savet'ev. *Arkh. pat.* 28 no. 12: 62-65. 1966.

## BLOOD VESSELS—WOUNDS AND INJURIES

- Analysis of some errors and complications in the treatment of closed lesions of the main vessels of the extremities. M. I. Landa, Ortop. i travm. i protez. 27 no. 12: 13-14. D. 1966.

## BLUE BABY see Tetralogy of Fallot

## BODY TEMPERATURE

- Simultaneous distal recording of temperature of different organs and tissues in large animals. B. I. Kadykov, V. I. Bulanin. *Fiziol. zhur.* 52 no. 12: 1497-1500. D. 1966.

## BODY TEMPERATURE—REGULATION

- Comfort zones in generally healthy persons and patients with hypertension on the beaches of health resorts Varna (Bulgaria) and Lividya (southern coast of the Crimea). M. Mikhalkov. *Vop. kuz. i fiziol. i tekhn. fiz. kul't.* 31 no. 6: 546-554. 1966.
- Dynamics of the vasculovascular reactivity in a late period in persons having had dysentery, based on skin temperature data. V. A. Krivonogov, *Trudy Turk. nauch. i issl. inst. klm., kur. i fiz. metod. lech.* 8:107-112. 1965.
- Physiological mechanisms of chemical heat regulation in the development of fever. T. A. Shevchenko. *Fiziol. zhur.* 52 no. 11: 1450-1467. N. 1966.
- Vasculovascular disorders based on thermometric data in patients with appendicitis. I. M. Volobuev, *Trudy Turk. nauch. i issl. inst. klm., kur. i fiz. metod. lech.* 8:113-118. 1965.

## BODY WEIGHT

- Relationship between achievement and body weight of an athlete. M. V. Starobitov. *Teor. i prakt. fiz. kul't.* 29 no. 12: 10-20. D. 1966.

## BOGS see Swamps

## BOHR, NIELS HENDRIK DAVID, 1885-1962

- Niels Bohr and the theory of epistemology. G. A. Kurzanov. *Priloga* no. 1: 5-10. Ja. 1967.

## BOILERMAKING INDUSTRY see subdivision under Taganrog

## BOILERS

- Adjustment of steam pipes in 150 and 200 Mw blocks. S. V. Palkovskii, E. S. Zakharov. *Elek. sta.* 33 no. 3: 17-20. Mr. 1962.
- Assembly of a TP-00 type boiler of 500 t/h operating capacity. L. A. Trofimovskii. *Elek. sta.* 33 no. 3: 47-52. Mr. 1962.
- Automatic control of vapor pressure in burning gaseous fuel. O. V. Pometanov. *Enrg. i elek.* no. 6: 25-26. N-D. 1966.
- Automatic control of the air supply for the injection of low-pressure gas fuels in boiler furnaces. I. P. Rusynkovskiy. *Prat. inst. vop. gaz. v kom. hosp. ta. prom. AN URSR* 7:131-141. 1967.
- Automatic draft control in gas operated boilers and hot water heating systems. I. P. Rusynkovskiy. *Prat. inst. vop. gaz. v kom. hosp. ta. prom. AN URSR* 7:115-130. 1967.
- Automatic feeding of steam boilers. A. I. Borzhok. *Khleb i kond. prom.* 10 no. 12: 36-37. D. 1966.
- Construction of a boiler house from precast reinforced concrete. A. Taktarov. *Nast. i st. Rou.* 4 no. 3: 8. Mr. 1963.
- Determining the efficiency of a centrifugal separator in a once-through boiler under actual operating conditions. M. N. Kemel'man. *Elek. sta.* 33 no. 3: 11-13. Mr. 1962.
- Experience with the construction of a 150 Mw block. M. E. Verbitskii. *Elek. sta.* 33 no. 3: 53-57. Mr. 1962.
- Group methods in the manufacture of small boilers. B. I. Kogan. *Enrg. i elek. no. 6: 25-26. N-D. 1966.*
- Industrial tests of the seals of Z and O regenerative air heaters. L. A. Kostov and others. *Elek. sta.* 37 no. 12: 27-30. D. 1966.
- Installation of PK-30 boilers in the Troitsk State Regional Electric Power Plant. I. P. Karev. *Enrg. i elek.* no. 7: 16-24. 1966.
- Methods of obtaining the characteristics of the power machinery of electric power stations. V. A. Skokhlev. *Elek. sta.* 33 no. 3: 5-11. Mr. 1962.
- Modernization of the DKVR-10/18 steam boilers. K. N. Savchuk. *Sakh. prom.* 41 no. 1: 30-36. Ja. 1967.
- Organization of the work of a metallurgical laboratory in the installation of an 800 Mw. block. A. S. Rossovskii. *Enrg. i elek.* no. 6: 13-15. N-D. 1966.
- Plotting dynamic characteristics of relative increase of boiler units of thermal electric power plants. D. M. Babalan. *Izv. AN Arm. SSR. Ser. tekhn. nauk* 19 no. 6: 22-28. 1966.
- Regulation of the water level in boilers. V. Krymchanskii. *Tekhn. i sel'khoz.* 21 no. 12: 47-50. D. 1961.
- Results of testing a once-through type boiler with fixed end zone of evaporation. M. N. Kemel'man, G. N. Rikova, A. D. Shalagin. *Elek. sta.* 37 no. 12: 24-27. D. 1966.

- Some remarks on the installation and design of BGM 35/30 boilers. V. A. Shendakov, I. F. Ryzhkov. *Elek. sta.* 33 no. 3: 58-59. Mr. 1962.
- Study of a welded panel from finned pipes installed in the middle radiation part of the PK-47 boiler. I. A. S. Zholdurov, A. I. Antonov. *Elek. sta.* 37 no. 12: 15-10. D. 1966.
- Study of the feedwater recirculation system of a once-through type boiler. *Elek. sta.* 37 no. 12: 19-24. D. 1966.

- Use of boilers in scrubbing exhaust gases of chemical plants. I. A. Sipat, G. P. Naumenov, N. A. Gaiduk. *Enrg. i elek.* no. 6: 46-48. N-D. 1966.

- (Using industrial position gamma relay in automatic control of boiler units. O. A. Muntash, V. A. Bol'sh. *Enrg. i elek.* no. 6: 46-48. N-D. 1966.
- Variable operation of steam-gas blocks with 1000-1300 Mw. ratings and high-pressure steam generators. V. S. Dubinskii, I. V. Pripov. *Enrg. i elek.* no. 6: 19. N-D. 1966.

## BOILERS—CORROSION

- Studying the efficiency of water purification from corrosion products by the method of centrifugation. G. I. Aleitkov, N. N. Ipatov. *Enrg. i elek.* no. 6: 19. N-D. 1966.

## BOILERS—DEFECTS

- Shortcomings in making TP-00 boilers. N. M. Bol'sh. V. G. Kachkin. *Enrg. i elek.* no. 6: 19. N-D. 1966.

## BOILERS—DESIGN AND CONSTRUCTION

- Computation of heat losses in exhaust gases. I. A. Pokker. *Tekhn. i sel'khoz.* 21 no. 8: 89-91. Apr. 1961.

## BOILERS—EXHIBITIONS

- Steam producing boilers. Inform. bul. VDNH no. 1: 32-37. D. 1966.

## BOILERS—FIRING

- Adjustment of the DKV-6, 5 boiler unit with high-pressure combustion furnace for the burning of wood waste. B. B. Steinfeld, P. A. Fiofeva, A. P. Tikhonov. *Enrg. i elek.* no. 6: 19-21. N-D. 1966.

## BOILERS—INCORUSTATIONS

- Preventing the accumulation of corrosion deposits in boilers. P. A. Akol'zin. *Elek. sta.* 33 no. 1: 13-17. 1962.

## BOILERS—RELIABILITY

- Operational reliability of steam generating water heaters of once-through type boilers with supercritical pressures. A. L. Shvachin, V. M. Ipatov, N. A. Rikova. *Elek. sta.* 37 no. 12: 15-10. D. 1966.

## BOILERS—SAFETY APPLIANCES

- Increasing the safety of operating steam boilers and hot water heating systems. *Enrg. i elek.* no. 6: 19. N-D. 1966.

## BOILERS—SAFETY MEASURES

- Guskin, A. M. [Safety manual for workers attending boilers in apartment houses] *Pravila po tekhn. bezopasnosti dlia rabotnikov pri obsluzhivani kotelnykh v zhilykh domakh.* Moskva, Stroiizdat, 1967, 17 p. (Tekhnika bezopasnosti v kommunal'nom khoz. i stroyt.)

## BOILERS—TESTING

- Testing of the DKVR-10-13-250 small-sized boiler. I. A. PMZ-1, Enrg. i elek. no. 6: 19-21. N-D. 1966.

## BOILERS, MARINE

- Automatic control of the steam generating capacity of auxiliary boilers. G. Khochev. *Mor. flot* 27 no. 1: 2-30. Ja. 1967.
- Automatic control system for the boiler unit on the water "Sovetskaya Ukraina." M. Sh. Shalagin. *Zhigirov. Sudostroyenie* 27 no. 1: 31-33. Ja. 1967.
- Motor tests for the elements of steam superheaters of marine boilers. N. I. Denisenko. *Enrg. i elek.* no. 6: 19-21. N-D. 1966.
- Slime separator with a pulsed circulation. V. K. Koltsov. *Ryb. prom.* no. 5: 10-41. 1960.

## BOILERS, MARINE—CLEANING

- Performance of sand blowing installations with automatic control. B. S. Kachanov. *Enrg. i elek.* no. 6: 19-21. N-D. 1966.

## BOILERS, MARINE—TESTING

- Some features of the new standard for hydraulic tests of boilers. S. I. Izik. *Sudostroyenie* 27 no. 1: 10-12. Ja. 1967.

## BOKOVO-ANTRAST (UKRAINE)—COAL MINING MACHINERY

- The all-Union school on mining by coal piling. P. A. Rozenberg. *Ugol'* 42 no. 1: 75-77. Ja. 1967.

## BOLLWORM—EXTERMINATION

- Tactics in controlling cotton bollworm. V. Tanakh. *Zashch. rast.* 12 no. 1: 23-24. 1967.

## BOL'SHOY IRGIZ RIVER—SHIPPING

- Utilization of the Bol'shoi Irgiz and Yerushim Rivers in transportation. I. D. Buchin, K. P. Chentsov. *Khi. i Mursalimov. Rech. transp.* 20 no. 7: 14-15. JI. 1961.

## BOL'SHOY KOLCHIM VALLEY—CAVES

- Karat bridge in the Bol'shoi Kolchim Valley. P. A. Sofronitskii. *Pesichery* no. 2: 63-65. 1962.

## BOL'SHOY KOLCHIM VALLEY—KARST

- Karat bridge in the Bol'shoi Kolchim Valley. P. A. Sofronitskii. *Pesichery* no. 2: 63-65. 1962.

## BOI'SHOY USHKANYI ISLAND—CLIMATE

Methodology of stationary microclimatic observations on Boi'shoi Ushkany Island. M. M. Vykhisluk. Trudy Lim. inst. 10:173-178 '66.

## BOI'SHOY USHKANYI ISLAND—METEOROLOGY—OBSERVATIONS

Methodology of stationary microclimatic observations on Boi'shoi Ushkany Island. M. M. Vykhisluk. Trudy Lim. inst. 10:173-178 '66.

## BOI'SHOY USHKANYI ISLAND—SOLAR RADIATION

Studying shortwave radiation on Boi'shoi Ushkany Island. M. M. Vykhisluk. Trudy Lim. inst. 10:71-78 '66.

## BOLTS AND NUTS

Commission on Metal Structural Elements of the Council of Coordination of Scientific Work, the use of high-strength bolts in construction. G. E. Bul'skii. Izv. ASIA no. 3:127 '67.

## BOLTS AND NUTS—STANDARDS

Russia (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh prilozheniy. [Bolts and nuts with the end diameters over 48 mm, dimensions] Bolty i galki s diametrami kon'evykh bolev 48 mm, razmery. GOST 10002-63 - GOST 10010-63. 1zd, ofitsial'noe. Moskva, 1zd-vo Standartov, 1963. 64 p. (SSSR, Gosudarstvennyye standarty)

## BOMBING, AERIAL

When bombers fly on call. V. Ermakov, P. Petrukhin. Aviakosm. no. 2:20-24 '67.

## BONE GRAFTING

Replacement of fresh bone defects by autoplasmic and heteroplasmic bones prepared in honey solution. O. G. Tanashevich. Sob. AN Gruz. SSR 44 no. 2:403-400 '66.

## BONE PRODUCTS

Effectiveness of the electric pulse method for bone degeneration. N. I. Edotov and others. Med. ind. SSSR 30 no. 1:12-11 Ja '67.

## BONES

Changes in ultimate strength of bone tissue along tubular bone diaphyses in experiments of bone unguates. IU, I. Antipchuk. Dop. AN URSR no. 10:1352-1351 '66.

Effect of X-ray irradiation on the growth of bones under experimental conditions. A. M. Safarov, S. V. Shtern. Med. rad. 12 no. 1:62-67 Ja '67.

## BONES—ABNORMALITIES AND DEFORMITIES

Case of incomplete osteogenesis. E. V. Murashkev. Sud.-med. ekspert. 8 no. 1:57 O-D '66.

Comparison of X-ray and pathomorphological changes in fibrous osteos dysplasia. E. A. Pankov, K. N. Molodtsov. Ortop., travm., i protez. 27 no. 12:49-53 D '66.

## BONES—BLOOD SUPPLY

Role of disorders of intrasosseous blood circulation in the pathogenesis of experimental osteomyelitis. V. I. Strizhuk, V. I. Shitin. Ortop., travm., i protez. 27 no. 13:22-27 D '66.

## BONES—CANCER

Chemotherapy of osteosarcomas of the bones. A. V. Kozlova, I. A. Lebedeva. Med. rad. 12 no. 1:26-31 Ja '67.

## BONES—DISEASES

Three cases of mycetoma of the foot on the X-ray characteristics of osseous changes. A. M. Iakovlev, A. M. Chichikov. Vost. rent. i rad. 11 no. 6:83-86 N-D '66.

## BONES—TUBERCULOSIS

Characteristics of the course of osteoarticular tuberculosis in children during antibacterial therapy. K. M. Maskev. Sov. med. 20 no. 10:122-128 O '66.

## BONUS SYSTEM

(see also subdivision under Armonia; Minsk) According to new system of planning and economic incentive. I. I. Mamontov. Stroi. i arkhit. Len. 29 no. 1:15-17 Ja '67.

Awarding bonuses to workers for the high quality to production. A. Molodtsov, M. Abramson. Sots. trud. 12 no. 1:13-17 Ja '67.

Bonuses for the sunflower. G. Naurzakov, Zakup sel'-khoz. prod. no. 8:23-25 Ag '66.

Business accounting and the incentive forms in the Kupavna Fine Wool Factory. A. Kononova, N. Seigina. Sots. trud. 12 no. 1:58-59 Ja '67.

Economic reform in industrial branches and material incentives. S. Shukko. Sots. trud. 12 no. 2:18-30 F '67.

For workers of enterprises on practice in changing over to the new system of planning and economic stimulation. Sots. trud. 12 no. 2:40-55 F '67.

Grouping enterprises of the automobile industry for calculating group norms for funds of economic stimulation. A. Z. Revzin, P. M. Katsura. Avi. prom. 33 no. 1:5-8 Ja '67.

In the Chelabinsk Road Machinery Plant. A. Noskov, L. Khokhlov. Sots. trud. 12 no. 2:38-43 F '67.

In the Kharkov Turbine Plant. D. Roshni. Sots. trud. 12 no. 2:31-38 F '67.

In the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots. trud. 12 no. 1:12-11 Ja '67.

Incentive payments for real effectiveness in production only. F. I. Dubrovina, Z. F. Drobuk. Ugol. tek. 7 no. 3:37-38 M '63.

Issuing bonuses to workers for the economic use of fuel, electric and thermal power. Sots. trud. 12 no. 1:137-111 Ja '67.

Material incentives and the quality of service. M. Lerner. Sov. toig. 10 no. 2:13-15 F '67.

Monetary awards made to machinery operators for good maintenance and use of equipment. A. Korzun. Tekh. velokhoz. 21 no. 12:50-52 D '65.

New system of planning and economic incentives are in effect. V. A. Zarhin, I. S. Korkodlov. Ognepoyis. 31 no. 12:10-11 D '66.

On the new procedure for economic stimulation in enterprises of trade and public dining enterprises. Sots. trud. 12 no. 1:41-46 Ja '67.

Paying bonuses and designers' work results. G. Ippolitov. Sots. trud. 12 no. 1:123-127 Ja '67.

System of management and material incentives in lower echelons of construction organizations. IU, F. Kozlovich and others. Na stol. Ros. 7 no. 12:7-8 D '66.

We are raising material interest. A. G. Dobrovolskiy. Put' i put. khoz. 11 no. 1:29-30 '67.

## BOOK COLLECTING

Facts, finds, and information. V. mire knig 4 no. 6:46 Je '66.

We select friends for years. V. Osipov. V. mire knig 6 no. 6:30-10 Je '66.

## BOOK DESIGN

Development of the techniques of book production and book design. V. V. Popov. Kniga, issl. i mat. 4:163-165 '61.

The jacket and its role in book design. E. D. Kuznetsov. Kniga, issl. i mat. 1:209-226 '61.

## BOOK INDUSTRIES

(see also subdivision under Europe, Eastern, Ukraine)

Books in rural areas of the Soviet Union. M. Denisov. Knizh. toig. 18 no. 1:27-29 Ja '67.

Facts and figures. Knizh. toig. 18 no. 1:47 Ja '67.

The past and the new year. Knizh. toig. 18 no. 1:1-5 Ja '67.

Stepping into the new anniversary year. Knizh. toig. 18 no. 1:2-3 Ja '67.

## BOOK JACKETS

The jacket and its role in book design. E. D. Kuznetsov. Kniga, issl. i mat. 4:209-226 '61.

## BOOKPLATES

The library's bookplate. K. Kostrom. Neftianik 11 no. 9:36-37 S '66.

Facts, finds, and information. V. mire knig 6 no. 6:46 Je '66.

Old Moscow in bookplates. S. Fortinskii. Knizh. toig. 18 no. 1:48-49 Ja '67.

## BOOKS

Lenin and the book: a review of materials published recently on the occasion of V. I. Lenin's 90th anniversary. B. V. Iakovlev. Kniga, issl. i mat. 4:7-45 '61.

Propaganda books should be entertaining. S. A. Patnev. Kniga, issl. i mat. 4:145-160 '61.

## BOOKS—EXHIBITIONS

Exhibition of books published by the Publishing House of Foreign Literature. IU, I. Kuyshv. Poligr. prom. no. 1:30-32 Ja '63.

## BOOKS—REVIEW

Books of our friends. V. mire knig 6 no. 6:10 Je '66.

Brief book reviews. Nov. mir. 38 no. 12:273-277 D '62.

Literature for the 50th anniversary of the Great October Revolution. Part. zhizn' no. 2:78-79 Ja '67.

Readers about books. V. mire knig 6 no. 6:16 Je '66.

To the 50th anniversary of the Great Revolution, A. Panferov. Knizh. toig. 17 no. 11:26 N '66.

The world through the eyes of scholars. Knizh. toig. 18 no. 1:12-13 Ja '67.

## BOOKS AND READING

Bersons, I. [Riches do not come themselves; on reading fiction] Bagatiba pati neatnak; parruna par literatras lasiansu. Riga, Liesma, 1966. 65 p. [In Latvian]

Life and dreams. I. Kotov. V. mire knig 6 no. 6:7 Je '66.

My beloved books. S. Magidson. Sen'la i shkola 21 no. 7:26-27 J '66.

We must give our attention and love to books. I. Kuenkov. Knizh. toig. 17 no. 11:22-23 N '66.

A window into the big world. B. Mokrousov. V. mire knig 6 no. 6:41-42 Je '66.

With love to a friend. V. Dokunin. Knizh. toig. 18 no. 1:34 Ja '67.

Workdays like holidays. E. Stasova. V. mire knig 6 no. 6:3 Je '66.

Your bookshelf. V. mire knig 6 no. 6:5-6 Je '66.

## BOOKS AND READING FOR CHILDREN

Metinshov, I. P. [The upbringing of the citizen, new books for children] Vospitanie grazhdanina, o novykh knigakh dlia detei. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauka, tekhnika. VI Seriya; Literatura, no. 2)

## BOOKSELLERS AND BOOKSELLING

(see also subdivision under Krasnodar Territory, Moscow Province)

Advice to new secondhand bookdealers. V. Alekseev. Knizh. toig. 18 no. 1:26 Ja '67.

Al'shbul', G. N. [Organization and technique of selling books] Organizatsia i tekhnika torgovli knigami. 1zd. 2., 1 ispr. i dop. Moskva, Kniga, 1965. 235 p. (NNC)

A conductor as a bibliophile. P. Kokoshkin. Knizh. toig. 18 no. 1:35 Ja '67.

Cooperative bookstores and the All-Union Cooperative Association of Booksellers. G. Sigacheva. Knizh. toig. 18 no. 1:14 Ja '67.

Water and Minsk's calling. D. Shvarts. Knizh. toig. 17 no. 11:32 N '66.

The first All-Union study group on advertising and popularization of books. I. Kamkina. Knizh. toig. 17 no. 11:20-21 N '66.

A forum for booksellers. Knizh. toig. 18 no. 1:59-60 Ja '67.

Komarov, A. Z., and N. V. Safonova, [For the public distributor of books, a short reference book] Otshechennoye rasproslu antichel knigi, kratkii spavochnik Moskva, Kniga, 1965. 76 p.

Legal consultation. I. Panova. Knizh. toig. 17 no. 11:46 N '66.

Legal consultation. Knizh. toig. 18 no. 1:63 Ja '67.

Letters to the editor. Knizh. toig. 18 no. 1:61 Ja '67.

Managers of bookstores. N. Shushanskii. Knizh. toig. 18 no. 1:22-23 Ja '67.

New methods in Soviet bookselling. M. F. Arbuzov. Kniga, issl. i mat. 4:126-144 '61.

The past and the new year. Knizh. toig. 18 no. 1:4-5 Ja '67.

Popularization of literature is an important part of ideological work. Knizh. toig. 17 no. 11:1-3 N '66.

Significance of the commercial department in studying demand. N. Grekhovodov. Knizh. toig. 18 no. 1:20-21 Ja '67.

Stepping into the new anniversary year. Knizh. toig. 18 no. 1:2-3 Ja '67.

Tat'iana T'lipponova. Kh. Muralev. Knizh. toig. 18 no. 1:35 Ja '67.

Thoughts of managers. Knizh. toig. 18 no. 1:25 Ja '67.

Through the eyes of bibliophiles. I. A. Arest. Knizh. toig. 18 no. 1:16-17 Ja '67.

Traveling exhibitions. I. Perevynin. Knizh. toig. 17 no. 11:19-20 N '66.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

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Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

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Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

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Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

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Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.

Wholesale trade. M. Gorin. Knizh. toig. 18 no. 1:37-39 Ja '67.





## BOTANY—VARIATION (Continued)

- Method of detecting induced somatic mutations in potatoes. E. A. Selenko. *Radionukliidy* 2 no. 1 631-638 '62
- Variability of plants grown from immature seeds. G. B. Medvedeva. *Genetika* no. 12 16-51 '66
- Variation in citrus plants induced by chemical mutagens. I. G. Kerzhavina. *Genetika* no. 12 52-58 '66

## BOTTLES see subdivision under Tajikistan

## BOTKIN, SERGEI PETROVICH, 1832-1889

History of the publication of S. P. Botkin's work "General Fundamentals of Clinical Medicine." S. N. Galova. *Sov. med.* 29 no. 10 151-151 O '66

## BOTTLES—WASHING

1. Method of washing of alkali solution baths of the bottle-washing machine ANM-6. V. P. Britman. *Trud. i izob. v mash. stroit.* 13 no. 119-21 '67

## BOULDERS

(see also subdivision under Azerbaijan)

P. A. Eropekin on the origin of boulders. N. P. Fraimer. *Trud. Inst. ust. i tekhn.* 19 195-211 '62

## BOUNDARY LAYER

Characteristics of the boundary layer on a cone in a rotating fluid. A. V. Kolesnikov. *Prilozheniya k zhurn. tekhn. fiz.* 28 16-17 '66

1. Numerical boundary layer on solids of revolution under the action of a binary gas flow. I. A. Kulonen. *Zap. IGI* 41 no. 3 80-9 '64

Method for integrating the equations describing a laminar boundary layer in an incompressible liquid. I. A. Kulonen. *Zap. IGI* 43 no. 3 91-98 '64

Motion of a plate in a two-component heterogeneous mixture. V. L. Mal'gin, G. G. Safarov. *Izv. AN Azerb. SSR Ser. fiz.-tekhn. i mat. nauk* no. 4 43-17 '66

## BOUNDARY VALUE PROBLEMS

1. Hyperbolic boundary value problems. B. U. Sternin. *Dokl. AN SSSR* 172 no. 1 41-17 Ja '67.

1. Solution of the error of the straight line method for some boundary value problems. V. A. Morozov. *Vychisl. i program.* 3 71-86 '66

Expansion in eigenfunctions of self-adjoint operators corresponding to common elliptic problems, containing eigenvalues in the boundary conditions. V. V. Barkovskiy. *Ukr. mat. zhur.* 19 no. 1 9-11 '67

Method for straightening the fronts in multiphase one-dimensional Stefan-type problems. A. R. Uspenskiy. *Dokl. AN SSSR* 172 no. 1 61-64 Ja '67

On the practical use of a new approximation method. M. A. Alekseyev. *Differ. urav.* 2 no. 12 1675-1679 D '66

Solution of boundary value problems for a system of ordinary differential equations. N. S. Babylayev. *Vychisl. i program.* 3 9-16 '66

Using the method of expansion in eigenfunctions of the dominant term of an equation in solving mixed problems for a second-order equation in the (O, m) interval. D. G. Salimova. *Izv. AN Azerb. SSR Ser. fiz.-mat. i tekhn. nauk* no. 5 29-38 '62

## BOXES

"The Anti-imperialistic Fight of the I Ho Tu in Tientsin and in Szechuan Province." Abstract of articles from "Tish shu chiao hsieh" for 1960 by L. I. Titov. *Sov. kit. lit. po obschestv. naukam* no. 12 30-35 '61.

## BOXING

[In the ring.] Na ringe; shornik statei. Moskva, Fizkul'tura i sport, 1966. 168 p.

References in boxing. V. Kon'kov. *Teor. i prakt. fiz. kult.* 29 no. 12 66 D '66.

## BRAIN

Binding and release of ammonia in brain of white rats subjected to X-ray irradiation. A. S. Pikulev, I. K. Asipchik. *Vestnik AN BSSR Ser. biol. nauk*, no. 1 75-79 '66

Central mechanisms of the regulation of blood supply and excretion in monkeys. I. T. Dzhelev, N. I. Lagutina, A. A. Pufacheva. *Fiziol. zhur.* 49 no. 3 330-337 '63

Change in nucleotide composition of RNA of rat brain in incubation. L. A. Edilashvili. *Soob. AN Gruz. SSR* 44 no. 2 325-329 N '66.

Differences in structure and topography of arachnoidal brain granulation in man. S. E. Arkhipova. *Arkh. anat., gist. i embriol.* 51 no. 12 51-61 D '66.

Effect of cycloaeroline steroids on oxygen absorption by cerebral tissues in rats. R. P. Poirfirova. *Antibiotiki* 12 no. 1 44-46 Ja '67.

Effect of sodium fluoroacetate acid on different brain structures in white rats. V. A. Artyushkova, M. V. Kirzon. *Vest. Mosk. un. Ser. 6: Biol. i pochv.* 21 no. 5: 13-22 S O '66.

Morphological characteristics of brain evolution in vertebrates. M. P. Nikitsenko. *Vestnik AN BSSR Ser. biol. nauk*, no. 3 101-108 '66.

Neutral proteinase activity in brain. E. L. Klein, E. G. Kurtskikh, N. V. Gvulin. *Soob. AN Gruz. SSR* 44 no. 2 331-336 N '66.

Relationship between number of receptors and the size of different parts of fish brain. N. V. Bodrova. *Trudy Inst. biol. nauk* no. 10 272-277 '66

Some conditions of spectrophotometric determination of the activity of succinic dehydrogenase and cytochrome c in mitochondria of the brain. G. P. Guldova, L. N. Selezneva. *Bull. eksp. biol. i med.* 63 no. 1 12-14 Ja '67

3-O-acetylcerobrosides, new sphingolipid brain tissues. I. G. Zinkova, L. S. Glukhikh, M. K. Kochetkov. *Dokl. AN SSSR* 167 no. 2 346-349 Apr '66

Universal head-holder in a stereotaxic apparatus for the examination of structures of the bottom of the fourth ventricle in cats. N. K. Saradzhev, P. S. Aref'ev. *Fiziol. zhur.* 52 no. 12 1489-1490 D '66.

## BRAIN—ABNORMALITIES AND DEFORMITIES

Comparative morphological study of changes in the brain of rats irradiated with doses of 50, 150 and 200 r on the 12th day of their embryonic development. M. M. Vicharskaya. *Trudy Inst. vys. nerv. deiat. Ser. patofiziol.* 10 125-137 '62

Histopathological changes in the brain of rats irradiated with X-rays in the early postnatal period. N. I. Artukhina. *Trudy Inst. vys. nerv. deiat. Ser. patofiziol.* 10 145-157 '62

Morphological changes in the brain of rabbits irradiated in the last stages of their prenatal development. I. A. Chernovskaya. *Trudy Inst. vys. nerv. deiat. Ser. patofiziol.* 10 138-144 '62

## BRAIN—ABSCESS

Pathogenesis of ruptures of oligogenic cerebral abscesses. I. A. Bukhman. *Zhur. vuz. i vys. shkol. bol.* 10 no. 1 51-59 Ja-Ag '69

## BRAIN—BLOOD SUPPLY

Methods of studying structure and functional state of brain blood vessels. D. G. Buzanov. *Soob. AN Gruz. SSR* 44 no. 2 191-197 N '66

Review of G. L. Vorobey's book "Vascularization of the brain and cerebral blood circulation." E. V. Shmidt. *Zhur. nerv. i psikh.* 62 no. 11 1741-1746 '62.

Structural changes in cerebellar nuclei following circulatory disturbance in brain. Z. V. Gubachidze. *Soob. AN Gruz. SSR* 44 no. 3 757-763 D '66

## BRAIN—CONCUSSION

Changes in the electric activity of the brain during attacks of a late traumatic psychosis and its approach to remission. P. N. Markova. *Trudy GIDUV* no. 1 115-162 '62.

Differentiation between schizophrenia and late traumatic psychoses with schizophreniform symptoms. P. N. Markova. *Trudy GIDUV* no. 1 111-111 '62.

Pneumoencephalographic studies of late traumatic psychoses. P. N. Markova. *Trudy GIDUV* no. 4 132-144 '62

Postconcussion generalized skin xanthomatosis. A. Kh. Adyphayev. *Sbor. nauch. i med. SOGMI* no. 10 191-194 '61.

## BRAIN—DISEASES

Effect of Kausch and Kalk's caffeine breakfast on the motor function of the stomach. V. A. Reutova. *Sbor. nauch. i med. SOGMI* no. 10 18-22 '61

Some characteristics of the course of trace reactions in the sphere of the visual analyzer in focal lesions of the occipital lobe of the large hemispheres in man. V. L. Pantelova. *Zhur. vuz. i vys. shkol.* 12 no. 6 1034-1041 N-D '62

Vesolozhnyy s'ezd nevropatologov i psikhiatrov, 4th, Moscow, 1965. [Transactions of the 4th All-Union Congress of Neuropathologists and Psychiatrists.] Trudy, Moskva, Vses. nauch. med. ob-vo nevropatologov i psikhiatrov.

Vol. 6. [Infectious diseases of the brain] Infektsionnye zabolevaniya golovnogo mozga. Pod red. V. V. Mikheeva i D. D. Fedotova, 1965. 374 p. (DNLM)

## BRAIN—HEMORRHAGE

Histopathological changes in the brain of rats irradiated with X-rays in the early postnatal period. N. I. Artukhina. *Trudy Inst. vys. nerv. deiat. Ser. patofiziol.* 10 145-157 '62.

## BRAIN—HERNIA see Encephalocele

## BRAIN—INNERVATION

Projection of various afferent systems in the reticular formation of midbrain. D. V. Kedzhala, S. P. Norkushvili. *Dokl. AN SSSR* 172 no. 1 229-232 Ja '67

## BRAIN—LOCALIZATION OF FUNCTIONS

Lurita, A. R., and L. S. Tsvetkova. [Neuropsychological analysis of problem solving; disorders of the process of problem solving in focal lesions of the brain] Nevropsikhologicheskiy analiz resheniya zadach; naru-sheniye patsiensa resheniya zadach pri lokal'nykh porazheniyakh mozga. Moskva, Prosveshchenie, 1966. 289 p.

Role of cortical and thalamic levels in the formation of recovery cycles of evoked potentials in the visual zone of the cerebral cortex. A. Ia Supin. *Fiziol. zhur.* 52 no. 11 1297-1304 N '66.

## BRAIN—RESEARCH

Natural science and philosophical problems concerning the current state of knowledge about the brain. S. A. Sarkisov. *Zhur. vuz. i vys. shkol.* 12 no. 6 965-1000 N-D '62

## BRAIN—TUMORS

Differential diagnosis of cerebral tumors and cerebral vascular pathology. S. G. Khundov. *Azerb. med. zhur.* 11 no. 12 28-31 D '66

Micromorphological changes in optic thalamus nuclei following brain tumor. N. G. Gampsemlidze. *Soob. AN Gruz. SSR* 41 no. 2 169-176 N '66

## BRAIN—WOUNDS AND INJURIES

Clinical electroencephalographic correlations in different clinical forms of late sequelae of cerebral trauma. I. A. Izakson, E. M. Eshenakov. *Azerb. med. zhur.* 11 no. 12 21-27 D '66

Diagnostic possibilities of cranioradiography in severe cranio-cerebral trauma. M. V. Tsvetkov, V. T. Pusovotko. *Vest. rentgenol.* 11 no. 6 15-50 N-D '66.

Disorders in the gustatory analyzer and gastric secretion in the late period following traumatic lesions of the brain. Z. P. Gurevich. *Trudy GIDUV* no. 4 163-174 '62

Forensic psychiatric expertise in cranio-cerebral trauma. A. I. Gilatov. *Sud. med. ekspert.* 9 no. 1 45-18 O-D '66

## BRAINSTEM

Functional significance of the icticular formation of the brainstem in the organization of neuronal activity in the cerebral cortex during specific influences. R. R. Velyka. *Fiziol. zhur. (Ukr.)* 12 no. 6 795-804 N-D '66.

## BRAINSTEM—DISEASES

Bioclectric activity of the cerebral cortex in lesions of the diencephalon and brainstem. O. F. Makarchenko, M. L. Horbach, V. I. Ilyash. *Fiziol. zhur. (Ukr.)* 12 no. 6 801-814 N-D '66

## BRAKES—SAFETY APPLIANCES

Minimum level indicators of brake fluid. *Avi. transp.* 45 no. 1 50 Ja '67.

## BRANNERITE

New data on brannerite. M. M. Povilaitis. *Trudy Min. muz.* no. 12 61-70 '61.

## BRASLAV DISTRICT—FOREST INSECTS

Aerial spraying against *Acantholyda stoffata*. N. Janus, L. Malys. *Zashch. rast.* 12 no. 1 49 '67.

## BRASS PLATING

Applying in zinc coatings using tartaric acid electrolyte. A. A. Sotomayor, F. V. Ustunyan, N. P. Stobodchikov. *Fel'd. i org. prot.* no. 6 67-68 N-D '66.

## BRATSK (IRKUTSK PROVINCE)—HARBOR—ANCHORAGE

Mooring and protective pier of the Bratsk river port. I. G. Vopov, B. G. Rondin. *Transp. stroit.* 16 no. 2 17-18 F '66

## BRATSK (IRKUTSK PROVINCE)—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Experience of Bratsk party organizations in the international education of workers. V. I. Sverchkov. *Trudy Ik. inst. nat. khoz.* no. 1 152-161 '66

## BRATSK (IRKUTSK PROVINCE)—WOODWORKING INDUSTRIES

A city by the "sea." V. Komarov. *Mot. komm.* no. 12 36-33 D '61.

## BRATSK HYDROELECTRIC POWER STATION

Construction of the Bratsk Hydroelectric Power Station. I. I. Nannushin, L. A. Toltschev. *Gidrostroit.* 32 no. 11 15-27 N '61

Construction of the earth dams of the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7 29-35 '66.

Construction of outdoor-type 200 and 500 kv distribution systems of the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7 54-60 '66.

Experience in boring and blasting operations in building Bratsk Hydroelectric Power Station. B. F. Murav'ev, A. G. Levshin. *Vzryv. delo* no. 6 1/81:244-260 '66

Start-up operations in the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7 54-66 '66.

## BRATSK HYDROELECTRIC POWER STATION—CONCRETE DAMS—DESIGN AND CONSTRUCTION

We are competing with Nikita Khrushchev. Ivan Lyubeev. *Na stroit. Ros.* 4 no. 8 6 Ag '63.

## BRATSK HYDROELECTRIC POWER STATION—ELECTRIC EQUIPMENT

Installation of main 220 and 500 kv transformers in the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7 17-54 '66

Installation of 200 kv oil-filled cables in the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7 60-64 '66.

Organization of electric equipment installation operations in the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7 43-47 '66.

## BRATSK RESERVOIR—FISHERIES

Development of fishery in the Bratsk Reservoir  
N. V. Vasil'yanov, R. B. P. 43 no. 121-122 '67

## BRATSK RESERVOIR—WINDS

Research on Bratsk Reservoir V. G. Razuvaev, Trudy  
Izvest. 10 122-132 '65

## BRAUNER, ALEKSANDR ALEKSANDROVICH, 1857-1940

In memory of Professor A. A. Brauner L. L. Pozdno.  
Nauk. zap. 1941 no. 12 147-148 '59

## BRAZIL—CONSTITUTION

The new constitution of Brazil L. Bakov, Vopr. vsem  
25 no. 7 20-21 '67

## BRAZIL—DISCOVERY AND EXPLORATION

A. G. Rubtsov, analysis of the role in the exploration of Brazil  
A. I. Alekseyev, B. N. Komarov, Trudy vsesoyuzn. geogr.  
obshch. 1966 no. 2 500-503 '67

## BRAZIL—EDUCATION

Notes on education in Brazil, M. Karilov, Nauk. zap.  
1962 no. 2 93-100 '67

## BREAD

Bread preservation IU. E. Volkov, S. I. Salueva, Khim.  
i prom. 11 no. 143 '67

Preservation of bread with sorbic acid V. V. Shchiba-  
bantovskiy, Khim. i prom. 11 no. 147-149  
Ja '67

## BREAKDOWN, ELECTRIC

Description mechanism of electric breakdown in a high  
vacuum, L. V. Tarasova, Dokl. AN SSSR 167 no. 2 330-  
333 '66

## BREAKWATERS see subdivision under France

## BREAM see subdivision under Gorkiy Reservoir; Kuybyshev Province, Rybinsk Reservoir

## BREAM—DISEASES AND PESTS

Digestive leucocytes in bream, L. I. Smirnova, Trudy  
Inst. biol. vnutr. vod. no. 10 143-147 '66

## BREAM—PHYSIOLOGY

Effect of prolonged starvation on chemical blood indices  
in bream (Abramis brama L.), V. V. Kuz'mina, Trudy  
Inst. biol. vnutr. vod. no. 10 148-152 '66

## BREAST—CANCER

Cytological examination of punctate from regional lymph  
nodes in cancer of the breast, N. I. Nikitina, K. A.  
Aizmanova, Vopr. onk. 13 no. 1 108 '67

Methodology of prolonged intra-arterial chemotherapy  
in malignant neoplasms of the breast, S. A. Gaspa-  
rian, B. G. Gold'man, Khirurgia 42 no. 12 '67-100  
D '66

## BREAST—DISEASES

Mondor's disease IU. A. Poluektov, Khirurgia 42  
no. 12 100-105 D '66

## BRECCIA see subdivision under Aragi Valley

## BREMSSTRAHLUNG

Bremsstrahlung of electrons with  $E = 2-4$  Gev, L. A. Bem,  
V. G. Grishin, V. D. Ryzhov, Pis'ma v red. Zhur. eksper.  
i teoret. fiz. 4 no. 3 106-110 Ag '66

Effect of backscattering on the absorption coefficient  
during the passage of bremsstrahlung through alkali  
halide crystals V. A. Vorob'ev, Izv. vys. ucheb. zar.  
fiz. 9 no. 6 158-160 '66

Interference of various frequencies due to bremsstrahlung  
IA. B. Zolotarev, Pis'ma v red. Zhur. eksper. i teoret. fiz.  
4 no. 10 426-429 N '66

## BREAST—ENGINEERING LABORATORIES

Resources should be used, T. M. Pavluchik, Prom.  
Bcl. 10 no. 2 16 '67

## BREWERIES—EQUIPMENT AND SUPPLIES

New type of barrel lifter A. I. Feldman, Spirt. prom.  
28 no. 3 44 '62

## BREWING INDUSTRY

For an accurate evaluation of the production activities  
of breweries V. T. Nikitich, Spirt. prom. 28 no. 3 38-  
40 '62

From the experience of the work of the brigades and  
shock workers of communist labor A. E. Aslanov, M. M.  
Grigor'ev, Spirt. prom. 28 no. 3 45 '62

## BREWING INDUSTRY—CONGRESSES

Seminar of brewing industry specialists, M. F. Mikhail-  
ova, Form. i spirt. prom. 33 no. 1 44-45 '67

## BREWING INDUSTRY—EQUIPMENT AND SUPPLIES

Unit for continuous production of beer wort abroad, A. I.  
Feldman, Form. i spirt. prom. 33 no. 1 37-42 '67

## BREWING INDUSTRY—MANAGEMENT

Methods for better utilization of the production capacities  
of enterprises brewing industry, S. S. Diagina, Form.  
i spirt. prom. 33 no. 1 26-32 '67

## BRICK WALLS

Use of nondestructive methods in determining bearing  
capacity of brick walls, R. G. Komisarukh, Stroitel.  
arkhit. Len. 26 no. 7 22-23 Ji '66

## BRICKMAKING MACHINERY

Device for disconnecting the clay mixer from the SM-143  
and SM-277 presses, A. S. Pinkratov, Stroitel. 7  
no. 11 26 N '61

## BRICKS

Chernavskiy, E. V., [Manufacturing of bricks] Proiz-  
vodstvo kirovsk. Moskva, Stroiizdat, 1966, 173 p.  
(V pomoshch' sel'skomu stroitel'stvu)

## BRIDGES

Analyzing effectiveness of new bridge designs, V. G.  
Andreev, Transp. stroit. 16 no. 2 41-44 '66

Directions for manufacturing bridge components with  
prestressed reinforced concrete L. A. Baluchik,  
Transp. stroit. 16 no. 2 42-44 '66

## BRIDGES—DESIGN AND CONSTRUCTION

Building the portion above the foundations of bridge  
supports, 1.6 m. diameter shells, I. D. Reskazarov,  
L. I. Meshcheriakov, N. A. Raevskiy, Transp. stroit.  
16 no. 1 12-14 Ap '66

Method of improving pile driving with a diesel hammer,  
B. I. A. Markevich, Avi. dor. 24 no. 11, 27 N '61

## BRIDGES—FOUNDATIONS AND PIERS

Analyzing experience in using 1.6 m. diameter shells in  
bridge foundation supports V. V. Alekseev, Transp.  
stroit. 16 no. 2 42-45 '66

Form coefficients in calculating local erosion of bridge  
supports on column foundations, IU. A. Kovnenko,  
Transp. stroit. 16 no. 1 30-40 Ap '66

## BRIDGES, CONCRETE

Standardization of the elements of factory-made rein-  
forced concrete bridges, A. A. Dronov, Avi. dor. 24  
no. 11 21-23 N '61

## BRIDGES, CONCRETE—DESIGN AND CONSTRUCTION

Building nonscheduled highway bridge, M. B. Iolin and  
others, Transp. stroit. 16 no. 4 9-12 Ap '66

## BRIDGES, CONCRETE—TESTING

Dynamic tests of a prestressed keramzit concrete bridge,  
D. N. Ageev, Avi. dor. 21 no. 11, 17-19 N '61

## BRIDGES, SUSPENSION

(see also subdivision under New York City)

Calculating multispan suspension bridges taking into  
consideration deformations of system, I. S. Dm. ov.  
Stroitel. mekh. i mash. stroit. 9 no. 1 21-25 '67

## BRIDGES, WOODEN—DESIGN AND CONSTRUCTION

Preparation of glued wooden bridge structures, O. I.  
Mikheevich, Transp. stroit. 16 no. 4 24-26 Ap '66

## BRINES

(see also subdivision under Crimea; Sakl, Lake,  
Sivash, Lake)

Decalcification of natural brines with sodium sulfite,  
B. A. Shokhet, E. M. Karasik, A. L. Panteleev, Trudy  
GIPKII no. 17-27-34 '62

Electrochemical separation of magnesium chloride from  
natural magnesium chloride brines, M. N. Makhovkin  
and others, Trudy GIPKII no. 17-27-77 '62

## BRIQUETS

Prospects for the production and use of iron coke, V. I.  
Matveev, Trudy khim. i met. inst. Sib. otd. AN SSSR  
no. 16 95-103 '61

## BRIQUETS (FUEL)

Effect of the briquetting pressure on the caking of coal  
L. I. Iosin, V. I. Alekhina, N. A. Vlasovskiy, Trudy  
i inform. inst. Sib. otd. AN SSSR no. 16 45-52 '61

## BRITISH SOUTH AFRICA COMPANY

The "Chartered" is a bastion of neocolonialism, M. Kogan,  
Mirova. i mezhdunar. otn. no. 2 122-126 '67

## BRUSOV, VALERII IAKOVLEVICH, 1873-1924

[Armenia in Brusov's poetry] Armenia v poezii Bru-  
sova, Erevan, Arastan, 1966, 38 p.

## BROACHING MACHINES

New broaching machines, IU. A. Kravchukin, V. P. Tsogel'-  
nik, Prom. Bcl. 10 no. 1 48 Ja '67

New exhibits at the Exhibition of the Achievements of  
the National Economy Inform. bliz. VDNKH no. 1 28-9  
Ja '67

## BROILERS (POULTRY) see subdivision under Crimea

## BROMIDES

Mechanism of the anodic dissolution and electrodeposition  
of palladium in bromide electrolytes, V. I. Kravtsov,  
M. I. Zolenskii, Vest. LGU 21 no. 22 128-135 '66

## BROMIDES—PHYSIOLOGICAL EFFECT

Effect of bromide on thyroidal thyroxine metabolism, S.  
B. Ruzhnikov, N. M. Iakovlev, Zh. G. Alekseyev, Trudy  
biol. 52 no. 12 1128-1131 D '66

## BROMIDES—SOLUBILITY

Solubility in the system (CBr<sub>4</sub> + HBr<sub>2</sub> + HBr + H<sub>2</sub>O +  
25% S. B. Ruzhnikov and others, Trudy vsesoyuzn. geogr.  
obshch. 1966 no. 2 507-508 '67

## BROMINATION

Bromination rate as dependent on the structure of the  
aromatic acid derivatives, K. M. Alekseyev, Zh. G. Alekseyev,  
Trudy AN SSSR Ser. khim. no. 1 110-111 '66

Determination of allylamine in the presence of  
bromine in the bromination reaction, L. V. Shchiba-  
bantovskiy, Trudy VNIIV 21 162-166 '66

Some features of the bromination of 1-hydroxy-2,3,4-tri-  
methylbutylophosphonic acid, A. A. Volod'kin, V. V. Ilyin,  
N. V. Porubikh, Trudy AN SSSR Ser. khim. no. 1 112-113  
Ja '67

Stoichiometry of cyclic compounds, B. I. Ilyin,  
Stroitel. mekh. i mash. stroit. 9 no. 1 21-25 '67

Stoichiometry of bromination of 1,2,3,4-tetrahydro-2,3,4-  
trichloro-1,2-dichlorobenzene, A. A. Volod'kin,  
N. V. Porubikh, V. V. Ilyin, Trudy AN SSSR Ser. khim.  
no. 1 112-113 Ja '67

## BROMINE—PHYSIOLOGICAL EFFECT

Effect of deplating and hyperpolarizing currents on  
changes in the membrane potential of normal and tumor  
fibroblasts, G. A. Vasil'yanov, Trudy AN SSSR Ser. biol.  
1966 no. 5 825-831 '66

## BROMINE ISOTOPES—PHYSIOLOGICAL EFFECT

Effect of labeled bromide on secretory and excretory  
functions of the fundus and the pyloric part of the  
stomach, V. I. Kalinin, Med. rad. 1 no. 10 '67

## BRONCHII—CANCER

Significance of roentgenofunctional examination of  
respiration in early diagnosis of cancer of the  
A. I. Sidorov, Vopr. onk. 13 no. 1 10 '67

## BRONCHII—DISEASES

Effect of negatively charged aerosols on bronchial  
permeability in heat-deficient according to pulmonary  
metabolic data, V. M. Lomova, Vopr. khim. i biol. 1  
10-12 '67

## BRONCHII—EXPLORATION

Bronchographic method using aqueous solutions of  
contrast media A. I. Gerasimov, Zhur. vnutr. med. 1966  
no. 4 68-70 N-Ap '66

## BRONCHII—FOREIGN BODIES

Spontaneous pneumothorax in a child with a foreign  
body in the bronchus, A. G. Ruzhnikov, Zhur. vnutr. med.  
1966 no. 6 76-77 N-D '66

## BRONCHII—RADIOGRAPHY

Bronchography under internal barbiturate anesthesia,  
V. I. Novikov, Gud. khim. 9 no. 1 111-114 '67

## BRONCHII—RUPTURE

Successful operation in complete rupture of the  
main bronchus, V. V. Rudenko, Gud. khim. 9 no. 1  
113-114 Ja '67

## BRONCHII—SURGERY

Successful operation in complete rupture of the  
main bronchus, V. V. Rudenko, Gud. khim. 9 no. 1  
113-114 Ja '67

Use of bronchopneumal fasci for reinforced  
bronchial stump, V. I. Rudenko, Gud. khim. 9 no. 1  
113-114 Ja '67

## BRONCHII—TUBERCULOSIS

Changes in the clinical picture of bronchial  
tuberculosis during the last five years, A. I. Finaeva, Prom.  
Bcl. 41 no. 1 46-53 '66

## BRONCHIECTASIS

Late results of surgical treatment of bronchiectasis  
in adolescents, S. A. Gaidzhev, N. A. Gaidzhev, M. A.  
Sokolov, Gud. khim. 9 no. 1 72-76 Ja '67

## BRONCHOCELE see Goller

## BRONCHOSCOPY

Chukhrilko, D. P., [Bronchoscopy in the diagnosis and  
treatment of pulmonary diseases] Bronkhoskopiya  
v diagnostike i lechenii zabolevaniy legkikh, Kiev,  
Zdorov'ia, 1966, 121 p.  
(DNLM)

Eight-year experience in using tracheobronchoscopy  
in a district dispensary, E. G. Belostil, Prom. Bcl.  
44 no. 1 54-59 '66

Role of bronchoscopy in surgical intervention in  
various forms of pulmonary tuberculosis, G. I. Rudenko,  
Zhur. vnutr. med. 1966 no. 4 65-67 '66

Tracheobronchoscopy examination of patients in  
Antituberculosis Dispensary, V. E. Moiseeva, Trudy  
tub. 44 no. 1 53-55 '66





## BUTIPHOS—TOXICOLOGY

Isolation and detection of butiphos in toxicological examinations. O. A. Alukhano, Sud.-med. eksp. 9 no. 4 11-13 O-D '66.

## BUTOVYCH, MYKOLA, 1896-

[Mykola Butovych, a monograph. The autobiography of M. Butovych and an article by V. Sichynskyi] Mykola Butovych, monografiya. Avtobiografiya M. Butovycha i statia V. Sichynskoho. New York, Slove, 1956. [25] p., 20 plates. (NN)

## BUTTER

Character of content in butter. S. Rutenberg. Vop. pit. 25 no. 6 78 N-D '66.

Effect of prolonged consumption of butter and corn oil on total cholesterol content in rat blood serum. A. A. Verchko. Vop. pit. 25 no. 6 76-77 N-D '66.

## BUTTERFAT

Increasing the butterfat content of black and white cattle in pig breeding. A. D. Vil'chynskiy. Vestn. AN BSSR, Ser. sel'skosp. nauk. no. 4 128-133 '66.

Relation between fat and protein content of cow milk. I. P. Ivanovskaya. Vestn. sel'skosp. nauk. 11 no. 11 60-68 '66.

## BUTTERFAT—ANALYSIS

Volatiles fatty acids in butterfat. V. P. Aristova, A. A. Knyazev. Dokl. TSKhA no. 45 113-118 '66.

## BUTYL PHOSPHATES

Study of the structure of hydrochloric acid hydrate-solvates in butyl phosphate, by means of infrared spectroscopy. L. V. Komarov, M. L. Oshkova, M. I. Pashchenko. Zhur. neorg. khim., 12 no. 1 211-215 Ja '67.

Thermochemistry of binary systems. Part 1: Systems in butyl phosphate—diluent. IU. A. Afanas'ev, A. V. Nikolov, T. I. Kozlova. Radiokhimiya no. 6 696-699 '66.

Thermochemistry of binary systems. Part 2: Systems in butyl phosphate—hydrate. IU. A. Afanas'ev and others. Radiokhimiya no. 6 699-702 '66.

## BUTYL RUBBER

Effect of thermal processing of butyl rubber with fillers on the properties of mixtures and vulcanizates obtained by the use of DIB team and sulfur. G. M. Ronkin, L. A. Levina. Kautch. rez. 9 no. 1 15-19 '67.

Study of the effectiveness of inhibitors during the oxidation of butyl rubber. P. I. Ievina, I. V. Baban. Kautch. rez. 26 no. 1 23-24 '67.

## BUTYNE

2-Butyne-1, 1-diol dibenzene-sulfonate as initial product for synthesis of 1, 1-dimino-2-butyne. R. I. Kuznetsov, Z. U. Atamatov. Izv. vuz. ucheb. zav. khim. i khim. tekhn. 9 no. 5 778-781 '66.

## BUTYNE-1, 1-DIOL

2-Butyne-1, 1-diol dibenzene-sulfonate as initial product for synthesis of 1, 1-dimino-2-butyne. R. I. Kuznetsov, Z. U. Atamatov. Izv. vuz. ucheb. zav. khim. i khim. tekhn. 9 no. 5 779-781 '66.

## BUZAU VALLEY—GLAUCONITE

Some data on the crystallochemical and X-ray investigations of glauconite from the region between the Dniester and Buzau Valleys (Romania). Iona Mateș, Ion Mitreș, Geokhimiya no. 11 1009-1011 '61.

## BUZULUK REGION (ORENBURG PROVINCE)—GRAIN ELEVATORS—ACCOUNTING

Business accounting at the production sectors of the Buzuluk Grain Receiving Station. I. Kukharev. Muk. i ts. prom. 11 no. 1 7-8 Ja '67.

## BYLINSKII, KONSTANTIN IAKIMOVICH, 1894-1960

In memory of Professor Konstantin Iakimovich Bylinskii, 1894-1960. Kniga, 188 i mai, 4 335-339 '61.

## CABBAGE—DISEASES AND PESTS

(see also subdivision under Ukraine)

Biology and dynamics of the numbers of European cabbage moth in Kharkov Province. V. I. Tsybul'ko. Trudy KISKH 55 96-92 '66.

Ridding cabbage seedlings of wire stem. A. M. Anisimov. Trudy KISKH 56 20-25 '66.

Some methods of the chemical control of European cabbage moth. V. I. Tsybul'ko. Trudy KISKH 55 93-95 '66.

Studying the methods for ridding cabbage of yellowing. A. M. Anisimov, N. I. Koval'chuk. Trudy KISKH 56 29-33 '66.

## CABBAGE—DRYING

Causes of the darkening of white cabbage during drying and storage. M. L. Fumkin, I. P. Petrush, Kons. i ov. prom. 17 no. 3 18-20 Mr '62.

CABBAGE—IRRIGATION see subdivision under Irkutsk Province

## CABBAGE—STORAGE

Causes of the darkening of white cabbage during drying and storage. M. L. Fumkin, I. P. Petrush. Kons. i ov. prom. 17 no. 3 18-20 Mr '62.

Forecast of ventilation of potatoes and cabbage in storage. A. K. Vasil'chenko, kartofel' i kapusty pri khraneni, K. K. Kolesnikov, Sel'sk. khoz. nauch. i issled. inst. imeni K. A. Timiriyazeva, Moskva, Kolos, 1966, 230 p.

Storage of cabbage under conditions of mechanical ventilation. G. F. Shumakov. Kons. i ov. prom. 22 no. 1 20-21 Ja '67.

## CABBAGE BUTTERFLY

Changes in the resistance of *Pieris brassicae* L. and *Manasteria brassicae* L. to chlorophyll following pre-sowing mineral fertilization of cabbage. V. F. Sametov. Vestn. AN BSSR, Ser. biol. nauk. no. 3 119-122 '66.

## CABBAGEWORMS

Changes in the resistance of *Pieris brassicae* L. and *Manasteria brassicae* L. to chlorophyll following pre-sowing mineral fertilization of cabbage. V. F. Sametov. Vestn. AN BSSR, Ser. biol. nauk. no. 3 117-122 '66.

## CABLES

Armored cables with cables. S. O. Shitman. Tr. zap. st. of. 16 no. 2 52-53 Ja '66.

## CABLEWAYS

(see also subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU)) Skidding of timber in selective fellings by light cable installations. M. Z. Myskov. Tr. zap. st. of. 16 no. 1 5-8 Ja '67.

## CADASTERS

[Land cadaster of the U.S.S.R.] Zemel'nyi kadast' SSSR, Moskva, Ekonomika, 1967, 357 p.

## CADAVERS

Postoperative pancreas associated with the use of cadaver blood. G. A. Pafomov, I. A. Smirnova. Khirurgiya 42 no. 12 66-70 D '66.

Optimal conditions for deceleration of cadaver plasma (serum) in IZII RUA apparatus and its clinical test. M. V. Podolskii and others. Sov. med. 29 no. 10 58-55 O '66.

## CADMIUM see subdivision under Gornoburg Province

## CADMIUM INDIUM SELENIDE—SPECTRA

Reflection spectrum of CdInSe crystals. V. V. Shcheglov. Opt. i spekt. 21 no. 5 614-615 N '66.

## CADMIUM PLATING

Ammoniate cadmium plating. V. I. Boid, M. A. Rumets. Prom. Bel. 10 no. 2 23-24 D '67.

Electrodeposition of cadmium from alkaline ethylene-diamine-nitrate acetate electrolytes. H. A. Dyshakov, A. M. Muzayev. Dokl. AN Azerb. SSR 22 no. 0 32-34 '66.

## CADMIUM SELENIDE CRYSTALS—ELECTRIC PROPERTIES

Physical properties of ohmic and non-ohmic contacts on CdSe-type single crystals. H. I. Holynskiy, H. A. Fedorov, M. K. Shchukman. Ukr. fiz. zhurn. 4 no. 5 593-605 S-O '69.

## CADMIUM SULFIDE—SPECTRA

Study of the spectral dependence of the photoionization of sensitizer centers in cadmium sulfide. V. L. Lashkarev, A. A. Pashchenko. Dokl. AN SSSR 172 no. 1 77-79 Ja '67.

## CADMIUM SULFIDE CRYSTALS—ELECTRIC PROPERTIES

Physical properties of ohmic and non-ohmic contacts on CdS-type single crystals. H. I. Holynskiy, H. A. Fedorov, M. K. Shchukman. Ukr. fiz. zhurn. 4 no. 5 593-605 S-O '69.

## CADMIUM TIN ARSENIDE CRYSTALS—GROWTH

Production and some properties of the semiconductor compound CdSnAs<sub>2</sub>. A. S. Borshchevskii and others. Dokl. AN SSSR 171 no. 4 830-832 D '66.

## CAFFEINE—PHYSIOLOGICAL EFFECT

Effect of Katak and Kalk's caffeine breakfast on the motor function of the stomach. V. A. Reutova. Sbor. nauch. trud. SOGM 10 no. 10 18-22 '61.

## CAIRO—U.S.S.R. EMBASSY

New building for U.S.S.R. Embassy in Cairo. II. Brodskii. Arkh. SSSR no. 1 82-86 '67.

## CALCITE

(see also subdivision under Moscow Province)

Epitaxial growth of magnetite on calcite. R. M. Afiev, E. V. Besedin. Min. shor. 20 no. 4 582-587 '66.

## CALCITE CRYSTALS

Inclusions of hematite in calcite formed in the growth of negative crystals. IU. M. Dyunkov. Trudy Min. raz. no. 12 196-202 '61.

## CALCIUM

Decalcification of natural brines with sodium sulfite. B. A. Shol'het, E. M. Karasil, A. L. Panteleeva. Trudy GIPKJ 10 47-51 '62.

Mutant of bacteriophage T1B sensitive to calcium ions. V. N. Kiylov. Genetika no. 12 95-98 '66.

## CALCIUM—ANALYSIS

Determination of calcium by differential polarography using an ovalate ion wave. IU. K. Dolinar'skiy, V. D. Skobits'. Dop. AN URSR no. 7 928-931 '62.

## CALCIUM—SPECTRA

Spectrum of calcium metal. Effect on the structure of calcium and of transition metals of the beginning of the first period. L. D. Finkel'shteyn, S. A. Nemchikov. Fiz. met. i metallogra. no. 6 813-818 D '66.

## CALCIUM ALUMINATES

Kinetics of supersaturation in aqueous suspensions of calcium aluminate and the determination of its metastable solubility (with summary in English). I. S. Solov'ev, F. E. Segalova. Felt. zhurn. 23 no. 1 366-311 My-Ju '61.

CALCIUM CARBONATE see subdivision under Black Sea

## CALCIUM CHLORIDE

Study of the corrosion resistance of aluminum alloys in a solution of calcium chloride. L. V. Zhuravleva. Khol. tekhn. 43 no. 11 15 N '66.

## CALCIUM IN THE BODY

Chloride and calcium changes in blood in patients operated under intravenous thioetheral-alcohol anesthesia. M. I. Harn. Vestn. AN BSSR, Ser. biol. nauk. no. 3 87-90 '66.

Effect of Chukhryun's hydrogen sulfide baths on the course of chronic infectious polyarthritis taking into account the changes of the potassium and calcium level in the blood. R. A. Kafar-zade, I. I. Krasets. Shor. trud. Azerb. nauch.-issled. inst. kur. i fiz. metod. lech. no. 6 163-168 '62.

Studying the metabolism of phosphorus and calcium in growing poultry. G. V. Filatov. Dokl. TSKhA no. 45 161-165 '69.

## CALCIUM SILICATES

Reaction between highly basic calcium silicates and high-silica sodium silicates. O. I. Lukhanova, I. IU. Uvalova. Dokl. AN SSSR 172 no. 3 645-648 Ja '67.

## CALCIUM SILICIDES

Reduction of cesium chloride by calcium silicide. G. N. Zviadadze, I. S. Tabatadze, D. V. Vatsadze. Izv. AN SSSR Met. no. 1 219-225 Ja-F '67.

## CALCIUM TUNGSTATE CRYSTALS

Effect of uniaxial compression on paramagnetic resonance of Nd<sup>3+</sup> in CaWO<sub>4</sub>. M. M. Zaitov, I. A. Shet'm, P. A. v. red. Zhur. ekspt. i teoret. fiz. 4 no. 9 338-341 N '66.

CALCULATING MACHINES see subdivision under Vintus

## CALCULATING MACHINES—MAINTENANCE AND REPAIR

Savost'yanov, D. D. [Construction and repair of calculating machines models 37, 37SM, 38, 38SM, 43SM, and 44SM]. Konstruktsiya i remont vychislitel'nykh mashin modeli 37, 37SM, 38, 38SM, 43SM, 44SM. Izd. 2, pecher. i dop. Moskva, Statistika, 1966, 206 p.

## CALCULI, BILIARY

Pathomorphological changes in the liver in cholelithic cholecystitis detected by means of punctate biopsy. I. I. Solov'ev-Raskino. Khirurgiya 42 no. 12 52-59 D '66.

Treatment of chronic calculeous cholecystitis in the light of late results. V. V. Vinogradov, G. I. Buznina. Khirurgiya 42 no. 12 41-46 D '66.

## CALCULUS, INTEGRAL—PROGRAMMED INSTRUCTION

Nakhlison, L. M. [Programmed instruction in the field of "Elements of integral calculus": a textbook for technical schools]. Programmirovannoe obucheniye po razdelu "Elementy integral'nogo ischisleniya", posobie dlia tekhnicheskoy Moskva. Pt. 1. [Indefinite integrals] Neopredelennyi integral. 1965, 40 p.

## CALCULUS, OPERATIONAL

Mordasova, G. M., and R. L. Senkevich. [Problems in higher mathematics; theory of functions of complex variables and the operational calculus] Sbornik zadach po kursu vysshego matematiki; teoriya funktsii kompleksnogo peremennogo i operatsionnoye ischisleniye. Moskva, 1966, 130 p.

## CALCULUS OF PREDICATES

Application of the inverse method for determining deductibility to the theory of solvable fragments in the classical calculus of predicates. Dokl. AN SSSR 171 no. 6 1282-1285 D '66.

Inverse method for establishing the deductibility for non-prenex formulae in predicate calculus. S. IU. Maslov. Dokl. AN SSSR 172 no. 1 22-25 Ja '67.



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## CAPITAL LEVY

(see also subdivision under Germany, East)  
Calculating norms for economic incentives. N. Khudolov  
Plan. khoz. no. 2:51-60 F '67

Pavskii, V. A., and A. D. Millionshchikov. [Payment  
for production funds] Plana za proizvodstvennye fondy.  
[Leningrad] Finansy, 1966. 78 p.

Payment for production funds and its budgetary and  
business accounting functions. I. I. Ibrimov. Plan.  
khoz. no. 2:37-46 F '67

Payment for production funds and the turnover tax.  
D. M. Yakovlev. Fin. SSSR 10 no. 12:11-41 D '66.

## CAPITALISM

Basic contradiction of our times and ways of solving  
it. L. V. Skvortsov. Nauch. dokl. vuz. shkoly, filio.  
no. 4 no. 1:1-13 '61

Capitalism and the individual. F. Rozenblat. Nov. vrem.  
25 no. 7:11-14 F '67

The fiftieth year of a new era. V. Alekseev. Mir. ekon.  
i mezhdunar. otn. no. 2:1-11 '67

Khorosheva, D. P. [The capitalistic method of production,  
a textbook] Kapitalisticheskiy sposob proizvodstva,  
uchebnoye posobie. Pod red. D. G. Kuzyumenko. Mo-  
skva, Mysl', 1965. 237 p.  
(CSU-II)

The law of value and the economics of capitalism and so-  
cialism. I. A. Krut'ko. Mir. ekon. i mezhdunar. otn.  
no. 1:57-60 '67

Lenin, V. I. [Imperialism as the highest stage of capi-  
talism, a popular sketch] Imperiializm, kak vysshaiya  
stadiya kapitalizma, popularnyy ocherk. Moskva,  
Politizdat [1967] 136 p.

Pokrovskii, A. I., and G. P. Chernikov. [What is "neo-  
capitalism"?] Chto takoe "neokapitalizm"? Moskva,  
Znanie, 1967. 46 p. (Novoye vyznaniye, nauka, tekhnika  
i Seriya Ekonomika, 4)

## CAPSTAN

Teoring capstan without a spindle. I. U. A. Mavzios.  
Sudostroyeniye 27 no. 1:29-30 Ja '61

## CAR COUPLINGS

Effect of the TANTIME-DVZ coupling on the track during  
switching. G. A. Kalinin. Izv. vuz. ucheb. zav., in-  
zhin. 9 no. 6:48-53 '66.

## CAR WHEELS

Coefficients of friction between wheels and rails of elec-  
tric locomotives in open-pit mines. I. U. Danilishin.  
Izv. vuz. ucheb. zav. i gor. zhuk. 10 no. 1:11-13 '67

Interaction of track and car wheels with irregular wear.  
V. B. Krivosheev, N. N. Kudriavtsev. Vest. TSNU MPS  
25 no. 11:30-32 '66

## CARAMEL

Basins of the caramel mass as a basis for determining  
its moisture. L. S. Lur'ko. Trudy VKNII no. 17:166-  
178 '66.

Effect of primary decomposition products of sugars on the  
stability of caramel. R. Ia. Givshar. Trudy VKNII  
no. 17:3-9 '66.

Study investigations related to the study of the strength  
of caramel. V. V. Smirnov. Trudy VKNII no. 17:  
9-12 '66.

## CARBAMIC ACID

Effect of carbamate on the oxidative phosphorylation of  
mitochondria from ethylated wild oat seedlings. V. F.  
Ladonin. Vest. sel'khoz. nauki 11 no. 12:137-141 D '66.

Synthesis of derivatives of N-phosphoryliminohydrocarbam-  
ic acid and N-phosphoryliminodurea. L. N. Leykova, P. I.  
Alimov. Izv. AN SSSR, Ser. khim. no. 12:2218-2220  
'66.

## CARBAZIC ACID

Analogs of corticosteroids. Report No. 15: Interaction of  
1-bromo-1-acetyl-2-cyclohexanol and its acetate with  
hydrazinecarboxylic ester. A. A. Akhrem, A. M.  
Molisevskov. Izv. AN SSSR, Ser. khim. no. 12:2161-2167  
'66.

Analogs of corticosteroids. Report No. 17: Reaction of  
2-methyl-1-acetyl-1-cyclohexene oxide with hydrazine-  
carboxylic ester. A. A. Akhrem and others. Izv. AN  
SSSR, Ser. khim. no. 1:109-111 Ja '67.

## CARBAZOLE

Carbazole phosphorescence. H. M. Kysliak, H. M. Lysenko,  
V. I. Ponomarev. Ukr. fiz. zhur. 11 no. 12:1350-1354  
D '66.

Synthesis of carbazole-base sulfide dyes. V. I. Shishkina,  
G. N. Lipunova, Z. V. Pushkareva. Izv. vuz. ucheb. zav.  
khim. i khim. tekhn. 9 no. 5:810-813 '66.

## CARBENES

Addition of dichlorocarbene to vinyl ethers. M. F. Shosta-  
kovskii, A. A. Nikiforov, V. V. Keiko. Izv. AN SSSR, Ser.  
khim. no. 1:149-153 Ja '67.

## CARBIDES

Ternary system W - Cr - C. E. I. Gladyshevskii and  
others. Izv. AN SSSR, Met. no. 1:190-193 Ja-F '67.

## CARBOHYDRATE METABOLISM

Carbohydrate absorption by small intestines of sheep  
as related to their age. Kazhen Tashenov. Trudy Inst.  
fiziol. AN Kazakh SSR 10:110-113 '66

Carbohydrate digestion in cow rumen as related to feed-  
ing with microelement-enriched silage. R. N. Nikitin,  
V. A. Morozov. Trudy Inst. fiziol. AN Kazakh SSR 10:  
22-27 '66

Carbohydrate nutrition of young cattle. A. D. Obukhova.  
Dokl. TSNU 10 no. 15:73-77 '59

Dynamics of feed carbohydrate conversion in cattle  
rumen in ontogeny. I. U. Ibrimov, I. N. Nesipbaev.  
Trudy Inst. fiziol. AN Kazakh SSR 10:54-58 '66

Effect of Chukhuyard hydrogen sulfide water on carbo-  
hydrate metabolism in chronic polyarthritis of varied  
etiology. R. A. Baganova. Sbornik Azerb. nauch.-  
issl. inst. bul. i fiz. med. lekch. no. 6:139-153 '62

Effect of high polyunsaturated content in diet on content of  
this microelement in organs and tissues of a rabbit and  
some components of carbohydrate and lipid metabolism.  
V. M. Khelad. Vest. Azerb. nauch. i med. inst. no. 1:  
95-99 '67.

Effect of the climatic factors of Chukhuyard on some  
aspects of carbohydrate metabolism in practically  
healthy people. R. A. Baganova. Sbornik Azerb. nauch.-  
issl. inst. bul. i fiz. med. lekch. no. 6:51-62  
'62

Hydrolytic analysis of uridine diphosphate glucose and  
some of its analogs. N. K. Kochukov and others.  
Dokl. AN SSSR 172 no. 1:603-606 Ja '67

## CARBOHYDRATES

Significance of endogenous and exogenous carbohydrates  
in the process of biosynthesis by yeast. P. S. Lipunova.  
Mikrobiologiya 35 no. 6:560-566 N-D '66

## CARBON

Determining the value of carbon equivalent of gray cast  
iron with help of cooling curves. L. M. Maitenbakh,  
V. V. Kandalin. Izv. vuz. ucheb. zav., inzhin. i met. 10  
no. 1:165-167 '67

Classification of dispersed carbon in diffusion flame of  
natural gas. A. M. Tsybul'skii. Gaz. prom. 11 no. 12:  
11-13 '66.

## CARBON, ACTIVATED

Adsorption of aliphatic amines from aqueous solutions on  
dashed activated coal. A. M. Koganovskii, T. M. Lev-  
chenko. Ukr. khim. zhur. 32 no. 11:1232-1231 '66

Ineffectiveness of the use of activated carbon depending  
on its particle size. G. S. Kolbin and others. Trudy  
spets. prom. 33 no. 1:15-19 '67

## CARBON BLACK

(see also subdivision under Kremenchug)

Effect of graphitization of carbon black and of interparticle  
capillary condensation in it on the isotherm and  
differential heat of adsorption of n-hexane (for summary  
in English). A. A. Ibrimov, A. V. Klelev. Koll. zhur.  
24 no. 3:281-280 My '61

Stabilization of polypropylene with a mixture of carbon  
black and sulfidized atactic polypropylene. A. A. Dontsov  
and others. Plast. massy no. 1:6-10 '67

## CARBON DIOXIDE

(see also subdivision under Donets Basin)

Catalytic transformations of equimolar mixture of me-  
thane and carbon dioxide. S. Ia. Kuznetsov and others.  
Dokl. AN SSSR 167 no. 2:350-353 Mi '66.

CARBON DIOXIDE—EFFECT ON PLANTS see Plants,  
Effect of carbon dioxide on

## CARBON DIOXIDE—PHYSIOLOGICAL EFFECT

Prolonged stay of man in a gaseous environment with  
high content of CO<sub>2</sub>. A. G. Kuznetsov, I. R. Kalinichenko.  
Fiziol. zhur. 52 no. 12:1460-1462 D '66.

## CARBON DISULFIDE

New raw materials for the production of carbon disulfide.  
R. M. Levit and others. Gidroliz. i lesokhim. prom.  
15 no. 5:13-15 My '62.

## CARBON ELECTRODES see Electrodes, Carbon

## CARBON ISOTOPES

(see also subdivision under Carpathian Mountain  
region)

Chemical reactions of primary recoil atoms of <sup>14</sup>C and  
secondary high energy displaced atoms of <sup>12</sup>C in solid  
amino acids. L. P. Filsova, A. Videnkoft. Radio-  
khim. i anal. 6:682-690 '66.

Construction of self-absorption curve by using radio-  
carbon method. V. L. Kaler, R. Z. Kovalevskaya.  
Mikrobiologiya 35 no. 6:1100-1103 N-D '66.

Determining the optimum concentration of food for bream  
larvae with the help of radioactive carbon C<sup>14</sup>. D. A.  
Panov, I. U. Sorokin. Trudy Inst. biol. vuzn. vod. no.  
10:106-110 '66.

Study of constructive metabolism of sulfite reducing  
bacteria by using C<sup>14</sup>. I. U. Sorokin. Mikrobiologiya  
35 no. 6:987-997 N-D '66.

Study of dehydration mechanism of 2-butanone over fluo-  
ridated aluminum oxide using radioactive carbon C<sup>14</sup>. G. V.  
Isaigulants, I. U. Derbeneva, A. A. Balandina. Izv. AN  
SSSR, Ser. khim. no. 1:42-46 Ja '67.

Synthesis of tagged normal amylbenzene containing car-  
bon C<sup>14</sup> in a side chain in the position 1 of the benzene  
ring. M. M. Melik-Zade and others. Sbornik Azerb. NII  
NP no. 3:306-311 '66.

## CARBON MONOXIDE

Determination of carbon monoxide content in flue gases  
and heat loss due to chemical incompleteness of fuel  
gas combustion. N. A. Tashin, I. A. Khokhlov. Gaz.  
prom. 11 no. 12:39 '66

Regulation of chemisorption of carbon monoxide on pro-  
tonated iron catalysts. Part 1. F. V. Koronevskii and I. I.  
Rozovskii. Khim. i tekhn. 7 no. 6:100-103 N-D '66

## CARBON-NICKEL ALLOYS see Nickel-carbon alloys

## CARBON TETRACHLORIDE—SPECTRA

Isotopic structure of the γ + γ<sub>1</sub> absorption band in  
carbon tetrachloride. F. M. Veilum, M. P. Lyubimov,  
V. L. Stizhevskiy. Ukr. fiz. zhur. 1 no. 5:606-611  
5-O '59

## CARBONATE ROCKS see Rocks, Carbonate

CARBONATES—ANALYSES see subdivision under  
Buryat A. S. S. R.

CARBONATITES see subdivision under Aldan Plateau;  
Sayan Mountains

## CARBONIZATION

Carbonization of bunny wool. V. M. Shershevich. Nauch.  
issl. Trudy TSNU Khim. no. 20:17-72 '65

## CARBONYL COMPOUNDS

Chemistry of acetals. Report No. 16: Reaction of acetals  
with compounds containing labile hydrogen atom. S. S.  
Hefit and others. Izv. AN SSSR Ser. khim. no. 1:132-  
138 Ja '67

Electric conductivity of the systems of phenols with  
aldehydes and ketones. Report No. 1. R. M. Kulikova,  
V. D. Ryzhov. Trudy TGU 185:63-67 '66

Electric conductivity of the systems of phenols with  
aldehydes and ketones. Report No. 2. R. M. Kulikova,  
V. D. Ryzhov, B. V. Tronov. Trudy TGU 185:88-92 '65

Tautomerism and geometrical isomerism of nitrogen-  
containing derivatives of carbonyl compounds. Report  
No. 14: Dipole moments and structure of phenylhydra-  
zones of some aldehydes and ketones. Izv. AN SSSR,  
Ser. khim. no. 12:2086-2090 '66.

## CARBONYLS

Photochemical reactions of cyclohexadienylchromium  
tetracarbonyl. A. N. Nesmelanov and others. Izv. AN  
SSSR, Ser. khim. no. 12:2231-2233 '66.

X-ray diffraction examination of bimetallic carbonyl  
derivatives and the length of metal-metal bonds in  
molecules. I. U. Stizhevskiy and others. Dokl. AN  
SSSR 172 no. 1:107-110 Ja '67

## CARCINOGENESIS

Combined effect of masticated rubber and Co60 gamma  
irradiation on carcinogenesis. S. I. Kharlamov, S. P.  
Podosev. Med. rad. 11 no. 12:64-65 D '66

Determination of the absorption by the skeleton of β-  
particle energy of some isotopes in experimental  
carcinogenesis. N. K. Molodtsova, V. I. Ponomarev, D. K.  
Popov. Vop. onk. 13 no. 1:56-59 '67.

Efforts to detect humoral antibodies in the serum of  
rats in early stages of carcinogenesis. L. I. Khudanova,  
Vop. onk. 13 no. 1:108-110 '67.

Induction of tumors by Rous virus in monkeys. I. A.  
Zil'ber and others. Vop. onk. 13 no. 1:49-56 '67.  
Mechanism of carcinogenesis. V. M. Zhidnov. Vop. onk.  
13 no. 1:43-49 '67

Toxicology of determining small doses of 3,4-benzopy-  
rene in the skin in mice. L. A. Andrianov. Biul. eksp.  
biol. i med. 63 no. 1:100-102 Ja '67.

## CARCINOGENS

Carcinogenic effect of human and equine smogma on rat  
uterus in vitro. V. D. Todua. Sobr. AN Gru. SSSR 14  
no. 3:777-784 D '66.

Carcinogenic nitroamines. I. N. Shvemberger. Vop. onk.  
13 no. 1:67-105 '67.  
Carcinogenic substances and prevention of cancer. L. M.  
Shahad. Vop. onk. 13 no. 1:3-13 '67.

## CARDIAC ANEURYSMS

Comparison of electrocardiographic and x-ray data in  
myocardial infarct and chronic heart aneurysm. V. N.  
Orlov, V. Ia. Trilkin, V. P. Veretennikova. Kardiolo-  
giya 3 no. 1:30-45 Jan. -F '63.

## CARDIAC CATHETERIZATION

Cardiac catheterization with graduated physical load in  
the evaluation of the state of pulmonary circulation in  
mitral stenosis. V. G. Shadrin, I. U. S. Puroshin, S. O.  
Apost. Grud. khir. 9 no. 1:25-29 Ja-F '67.

Evaluation of the results of surgical correction of inter-  
ventricular septal defects according to data of heart  
catheterization. D. B. Mogilevskii and others. Grud.  
khir. 9 no. 1:13-17 Ja-F '67.

## CARDIAC GLYCOSIDES

Mineral composition of medicinal plant raw materials and  
phytopreparations with cardiovascular action. V. K.  
Ishchenko. Farmats. zhur. 17 no. 2:18-54 '62.

## CARDIOGRAPHY

Effect of objective recording of the kinetic function of the heart on the course of haemodynamic effects in the treatment of patients with aortic atherosclerosis. *Tr. Akad. med. nauk SSSR* 31 no 11:63-67 '66

## CARDIOSPASM

Treatment of cardiospasm with cardiodilatation. *G.D. Vlasov, L.V. Kuznetsov, Sov. med.* 30 no 1:45-160 '67

## CARDIOVASCULAR SYSTEM

Effect of a combination of the effect of the Chukhlovskiy climate on the cardiovascular system. *Sh. M. Gasanov, and others, Slov. trud. Azerb. nauch.-issled. inst. kurd. fiz. med. lech.* no 1:63-67 '62

Effect of respiration on functional changes in the cardiovascular system in children. *E. N. Ivanova, Zh. nevrolog. i psikh. 19 no 6:21-27 N-D '59*

## CARDIOVASCULAR SYSTEM—DISEASES

Cardiovascular diseases in diabetes mellitus. *E. P. Vasilev, V. R. Plesent, V. P. Kalenova, Probl. endokrinol.* 6 no 6:41-53 N-D '62

[Cardiovascular pathology] Serdечно-sosudistaya patologiya. *Kiev, Zdorov'ia*, 1966 455 p (DNLM)

Conduction system of the heart and cardiac vessels. *E. A. Tikhonov, I. Ingel'son, Sov. med.* 30 no 1:71-77 '67

[Diseases of the cardiovascular and nervous systems and metabolic diseases, papers by doctors and consultants of therapeutic and prophylactic institutions of the Administrative Office of the Academy of Sciences of the U.S.S.R.] Zabolevaniya serdечно-sosudistoi, nervnoi sistemy i bolernykh obmeny veshchestv, raboty vrachei i konsultantov lechечно-profilakticheskikh uchrezhdenii upravleniya delami AN SSSR. Moskva, Nauka, 1966, 298 p (DNLM)

Effect of Chukhlovskiy hydrogen sulfide baths on the cardiovascular system according to oscillographic data. Report no. 2. *I. R. Guseinov, Slov. trud. Azerb. nauch.-issled. inst. kurd. fiz. med. lech.* no 6:166-171 '62

Spreading wave on pulse waves as a method for the functional evaluation of the cardiovascular system in patients exposed to chronic irradiation. *E. A. Denisova, Med. rad.* 7 no 10:26-32 O '62

## CARENE

Isomerization of 3-carene with acid catalysts. *I. I. Biryukov, and others, Dokl. AN SSSR* 170 no 11:873-876 '66

## CARGO HANDLING

(see also subdivision under Leningrad)

New equipment for the unloading of cooled and frozen cargoes. *V. Sosonov, Pech. transp.* 20 no 7:49-50 JI '61

CARICATURES AND CARTOONS (see subdivision under Germany, West)

## CAROTENE

Stabilization of carotene in grass meal. *A. A. Zubrilin, V. P. Inguta, Vest. sel'khoz. nauk* 31 no 11:72-75 '66

## CAROTENIDS

Carotenoid dynamics in pine of different habitats. *G. A. Skutlarskiy, Dokl. AN SSSR* 172 no 3:733-736 Ja '67

## CAROTIN ARTERY—ABNORMALITIES AND DEFORMITIES

Morphology and pathogenesis of pathological tortuosity and flexions of internal carotid and vertebral arteries. *N. V. Vreshchagin, V. N. Koltov, Arkh. pat.* 28 no 12:11-16 '66

## CAROTID ARTERY—CALCIFICATION

Calcification of the carotid arteries and atherosclerotic cerebrovascular disease. *V. I. Minis, I. I. Khlebnikov, Zh. nevrolog. i psikh.* 62 no 11:1638-1641 '62

## CAROTID ARTERY—DISEASES

Characteristics of regional blood circulation in diseases of the internal carotid artery. *Plithysmographic data*. *Neft. i gaz. prom.* 62 no 11:1630-

carotid and coronary arteries. *Neft. i gaz. prom.* 62 no 11:1630-

nevr. i psikh.

## CAROTID ARTERY—RADIOGRAPHY

Significance of single-stage bilateral carotid angiography in the diagnosis of intracranial aneurysms. *A. P. Buzlutskiy, I. U. Zorubina, Zh. nevrolog. i psikh.* 62 no 11:1680-1682 '62

## CAROTID ARTERY—SURGERY

One-stage intra- and extracranial exclusion of the carotid artery in carotid-cavernous anastomosis as a method of preventing disorders of brain blood circulation. *V. A. Shlykov, Zh. nevrolog. i psikh.* 62 no 11:1686-1695 '62

Surgical treatment of extracranial lesions of carotid arteries. *I. U. V. Bogatyrev, Zh. nevrolog. i psikh.* 62 no 11:1676-1680 '62

## CAROTID SINUS

Effect of pattern of the pressor carotid sinus reflex. *V. M. Kharutin, Fiziol. zh.* 19 no 3:338-343 M '63

## CAROTINIDS (see Carotenoids)

## CARP

Abnormalities in carp and their causes. *K. I. Lutsenko, Zool. zh.* 45 no 12:1826-1831 '66

Replacing concentrated food by aquatic vegetation in raising to over-year-old carp. *T. A. Deeva, Ryb. prom.* no 53:3-10 '60

## CARP—DISEASES AND PESTS

Carp gill disease and measures for its control. *L. Kh. Pashch, Ryb. prom.* 55:22-38 '60

Phagocytosis in carp following bacterial infection. *G. D. Goncharov, Trudy Inst. biol. vnutr. vod.* no 10:331-337 '66

## CARP—PHYSIOLOGY

Dynamics of changes in cholinesterase activity in muscle and ammonia content in brain following phenol poisoning of *Carassius auratus* L. *V. I. Lukhtanenko, I. A. Petukhova, Trudy Inst. biol. vnutr. vod.* no 10:311-318 '66

## CARPATIAN MOUNTAIN REGION—CARBON ISOTOPES

Isotope composition of carbon of carbonates of sulfur deposits in Carpathian Mountain region. *V. A. Grincenko, G. P. Mamchur, B. I. Stebolenko, Min. shch.* 20 no 4:259-271 '66

## CARPATIAN MOUNTAIN REGION—CONGLOMERATE

Age of certain fragments of exotic conglomerates in the Carpathian Mountain region. *M. I. U. Pedushchak, Geol. zh.* 19 no 6:72-78 '59

Conglomerates of the Polvaniya series in the Pokutya-Bukovina portion of the Carpathians. *I. V. Lincutya, Geol. zh.* 21 no 2:76-79 '61

## CARPATIAN MOUNTAIN REGION—FOREST ROADS

State of staves in the loaded of gravel logging truck roads in the Carpathians. *B. G. Gusev, I. U. Vionovskiy, Les. bum. i del. prom.* no 3:120-125 '66

## CARPATIAN MOUNTAIN REGION—GAS, NATURAL—GEOLOGY

Oil and gas prospects in Vygodna-Pasechnaya series in cis-Carpathian region. *I. U. E. Koroluk, I. I. Liskevich, Neft. i gaz. prom.* no 5:5-8 S-O '66

## CARPATIAN MOUNTAIN REGION—GAS WELL COMPLETION

Experience in using formation testers in Carpathian region. *B. V. Khoma and others, Neft. i gaz. prom.* no 6:17-20 N-D '66

## CARPATIAN MOUNTAIN REGION—GUIDEBOOKS

[Young tourists in the Carpathians, a guidebook in Ukrainian and Russian] *Ungy turist v Karpatykh; putivnyk ukrains'kolu ta iostis'kolu novnyy. Uzhhorod, "Karpaty," 1966, 318 p. illus., fold. maps (in pocket), (NN)*

## CARPATIAN MOUNTAIN REGION—HORNTAILS

Ecologic and zoogeographical characteristics of horn-tails and sawflies (Hymenoptera, Chalcidogastera) in the Soviet part of the Carpathians and in the Tisza Valley. *V. M. Terenolenko, Nauk. zap. Kyiv. un.* 18 no 1:110-135 '59

## CARPATIAN MOUNTAIN REGION—LUMBERING—MACHINERY

Skidding of lumber in selective fellings by light cable installations. *M. Z. Mys'ko, Lis. hosp.* 119, pap. I det. prom. no 1:5-6 Ja-F '67

## CARPATIAN MOUNTAIN REGION—OIL WELL COMPLETION

Experience in using formation testers in Carpathian region. *B. V. Khoma and others, Neft. i gaz. prom.* no 6:17-20 N-D '66

## CARPATIAN MOUNTAIN REGION—PETROLEUM GEOLOGY

Oil and gas prospects in Vygodna-Pasechnaya series in cis-Carpathian region. *I. U. E. Koroluk, E. I. Liskevich, Neft. i gaz. prom.* no 5:5-8 S-O '66

## CARPATIAN MOUNTAIN REGION—PETROLEUM PRODUCTION

Some problems of oil field development in depth in the Carpathian region. *A. I. Akul'shin, Neft. i gaz. prom.* 5:30-32 S-O '66

## CARPATIAN MOUNTAIN REGION—PHYLLITES

Age of green phyllites in the paleo of molasse on glomerates in the Carpathian Mountain region. *G. I. Vyalov, Geol. zh.* 19 no 6:17-13 '59

## CARPATIAN MOUNTAIN REGION—PHYTONOMIDS

Characteristics of anthracoid properties of phyllites of some thick plants in Carpathian Mountain region. *I. P. Lutsenko, Vop. prikl. 15 no 6:61-61 N-D '66*

## CARPATIAN MOUNTAIN REGION—SAWFILLES

Ecologic and zoogeographical characteristics of horn-tails and sawflies (Hymenoptera, Chalcidogastera) in the Soviet part of the Carpathians and in the Tisza Valley. *V. M. Terenolenko, Nauk. zap. Kyiv. un.* 18 no 1:110-135 '59

## CARPATIAN MOUNTAIN REGION—SILICOPHOSPHATE

Organization of work for establishing closed deposits of phosphates. *V. D. Lushchov, Tr. Inst. biol. vnutr. vod.* no 1:18-20 Ja-F '67

## CARPATIAN MOUNTAIN REGION—SULFUR DEPOSITS

Origin of the Carpathian sulfur deposits according to isotope composition of  $S^{32}/S^{34}$  and  $C^{12}/C^{13}$ . *A. P. Vlasov, V. A. Grincenko, V. I. Ushakov, Geol. zh.* no 10:877-886 '61

## CARPATIAN MOUNTAINS—CLAY MINERALS

Clay minerals in sedimentary rocks of the Carpathian Mountains. *I. M. Mamonova, Min. shch.* 20 no 2:24-26 '66

## CARPATIAN MOUNTAINS—CRANE FLIES

Ecologic and preliminary phase of development of crane flies (Syrphidae) in the Carpathian Mountains. *I. N. Savchenko, Dop. AN URSR* no 10:148-151 '66

## CARPATIAN MOUNTAINS—GEOLOGICAL TIME

New data on the age of the Shupet and Valovetsky series of the Carpathian Mountains. *V. A. Vlasov, V. I. Ushakov, Tr. Inst. biol. vnutr. vod.* no 1:18-20 Ja-F '67

## CARPATIAN MOUNTAINS—GEOLOGY, STRUCTURAL

Geological map of section of western part of the Carpathians. *V. A. Vlasov and others, Dop. AN URSR* no 10:148-151 '66

New data on fault tectonics of Bakov Mountains. *V. I. Ushakov, V. I. Rudik, Tr. Inst. biol. vnutr. vod.* no 1:14-16 '61

## CARPATIAN MOUNTAINS—PRECIPITATION (METEOROLOGY)

Calculation of precipitation in Eastern Carpathians applicable to evaluation of maximum discharges of water. *P. M. Litsk, Slov. trud. Azerb. nauch.-issled. inst. kurd. fiz. med. lech.* no 6:166-171 '62

## CARPATIAN MOUNTAINS—ROCKS

Position of Mesozoic and more ancient rocks in the structure of the Carpathian Mountains. *V. A. Vlasov and others, Dop. AN URSR* no 10:148-151 '66

## CARPATIAN MOUNTAINS—RUNOFF

Calculation of precipitation in Eastern Carpathians applicable to evaluation of maximum discharges of water. *P. M. Litsk, Slov. trud. Azerb. nauch.-issled. inst. kurd. fiz. med. lech.* no 6:166-171 '62

Cyclic fluctuations of annual streamflow over period many years in the northern slope of the Carpathian Mountains. *K. I. Lutsenko, Slov. trud. Azerb. nauch.-issled. inst. kurd. fiz. med. lech.* no 6:166-171 '62

## CARPATIAN MOUNTAINS—VOLCANIC ASH, TUFF, LAVA

Oligocene volcanism and key horizons of the Carpathian Mountains. *A. V. Makashov, I. M. Reizman, Dokl. AN SSSR* 171 no 1:335-336 JI '66

## CARPATIAN-UKRAINE (see Transcarpathia)

## CARPENTRY

A device for sawing-out of flower plugs. *I. P. Antonov, Shkola i prikl. 10 no 10:52-53 O '66*

## CARPENTRY—TOOLS

A device for the holding of work material. *A. I. Shchukin, Shkola i prikl. 10 no 10:52-53 O '66*

A finishing plane. *A. N. Ivanov, Shkola i prikl. 10 no 10:50 O '66*

## CARROTS—DISEASES AND PESTS

Carrot diseases. *A. Belanova, Zashch. rast.* 12 no 1:11-42 '67

Change in the nitrogen metabolism of carrots infected with *Phoma Roti* and its relation to immunity. *L. M. Khondobina, V. M. Potapova, Dokl. Akad. nauch.* no 20:24 S '66

New strains of the antagonistic fungus *Trichoderma* and their use in controlling carrot diseases. *M. A. Zhuravskiy, A. I. Kustayev, Vest. AN SSSR, Ser. sel'khoz. nauk* no 4:54-58 '66

- CARTILAGE—TUMORS**  
X-ray diagnosis of chondromatosis of joints. I. I. Shukov, K. B. Polukhinov, Z. D. Dzhaturua. *Azerb. med. zh.* 11 no. 12:15-20 D '66.
- CARTOGRAPHY**  
Cartography as a method of investigating subarctic place names. F. M. Pospelov. *Vop.* 11 no. 180-91 Jan-Feb '67.  
Criticalism of some sources of the history of Russian geography and cartography. S. I. Fil'f. *Trudy Inst. inst. Est. Tikh.* 12:172-181 '67.  
Determining the curvature of certain curves in geodesy and cartography. G. M. Khinkunov. *Izv. vys. ucheb. zav. geod. i aerod.* no. 6:105-122 '67.  
History of cartographic work in the Russian State during the beginning of the 17th century. A. A. Mironov. *Trud. Inst. Est. Tikh.* 12:172-181 '67.  
Manual by N. N. Volokov. Map compiling and map editing. T. G. Svetskova. *Izv. vys. ucheb. zav. geod. i aerod.* no. 6:137-141 '67.
- CARYOPHANON—CULTURES AND CULTURE MEDIA**  
Mechanism of formation and ultrastructure of heteromorphous Caryophanon latum Pashkoff for moss. A. A. Teshkov, L. A. Levchenko, A. S. Shukova. *Mikrobiologiya* 35 no. 6:606-6072 N-D '66.
- CASCADES (FLUID DYNAMICS)**  
Calculating aerodynamic characteristics of rotating circular cascades of profiles traced by logarithmic spirals. T. S. Solomakhova. *Prilozheniya* no. 28:33-59 '66.  
Calculations of circular cascades. G. I. Malkapar. *Prilozheniya* no. 28:5-32 '66.
- CASE HARDENING**  
Using induction heating for hardening bearing rings. I. I. Kanter and others. *Trudy SIMSKH* no. 2:177-88 '61.
- CASPIAN LOWLAND—GEOLOGY, STRATIGRAPHIC**  
German type of Tertiary of Caspian Lowland. V. V. Ipatova. *Izv. AN SSSR Ser. geol.* no. 1:58-67 '67.
- CASPIAN SEA**  
What will happen to our internal seas? Caspian and Aral Seas and litigation problems. V. N. Kunin. *Prilozheniya* no. 1:36-46 Ja '67.
- CASPIAN SEA—ARTIFICIAL ISLANDS**  
Some corrections to methodology of calculating wave loads stresses on through structures in deep sea. A. D. Mzartshin. *Neft khoz.* 41 no. 11:15-19 N '66.
- CASPIAN SEA—CURRENTS (HYDROLOGY)**  
Some characteristics of synchronous surveys of currents in the Caspian Sea. A. G. Guseinov. *Trudy Azerb. geog. ob-va* 3:136-139 '66.
- CASPIAN SEA—FISHES**  
Relationship between commercial fish catch and slow-downed reach growth and the biogenic streamflow of Volga River and value of primary production in northern Caspian Sea. N. I. Vinetshina. *Trudy VNIRO* 60:103-111 '66.
- CASPIAN SEA—ICE—TESTING**  
Strength characteristics of Caspian ice. L. V. Luklanova. *Trudy Azerb. geog. ob-va* 3:207-213 '66.
- CASPIAN SEA—ROACH (FISH)**  
Some data on biology of roach in southeastern Caspian Sea. A. A. Popova. *Izv. AN Turk. SSR Ser. biol. nauk* no. 3:78-84 '66.
- CASPIAN SEA—SALINITY**  
Validation of the salinity of water near the western shore of the middle part of the Caspian Sea. V. M. Zhinov. *Trudy Azerb. geog. ob-va* 3:110-118 '66.
- CASPIAN SEA—SEA LEVEL**  
Outlook for the water balance of the Caspian Sea. K. K. Gulip. *Trudy Azerb. geog. ob-va* 3:126-135 '66.
- CASPIAN SEA—SPRATS**  
Damage in Caspian sprats caused by electric fishing. I. V. Nikonorov. *Izh. prim.* 10:138-14 '60.
- CASPIAN SEA—STURGEONS**  
Physiological and biochemical characteristics of two sturgeon populations of Caspian Sea. V. I. Luklanenko, S. I. Sedov, P. P. Goraekhin. *Gidrobiol. zhur.* 2 no. 6:43-47 '66.
- CASPIAN SEA—TEMPERATURE**  
Temperature anomalies of water near the western shore of the middle Caspian. T. Kh. Zulfugarov. *Trudy Azerb. geog. ob-va* 3:162-167 '66.
- CASPIAN SEA—VOLCANOES**  
Archipelago of volcanoes. A. T. Znosovtsev. *Trudy Azerb. geog. ob-va* 3:150-153 '66.
- CASPIAN SEA—ZOOPLANKTON**  
Effect of temperature drop layer on zooplankton distribution in Caspian Sea. F. G. Badalov. *Dokl. AN Azerb. SSR* 22 no. 9:178-80 '66.
- CASPIAN SEA REGION—GASTROPODA, FOSSIL**  
Upper Paleogene Viviparidae of northern part of Caspian Sea region, materials for study freshwater mollusca fauna of Eurasia. G. F. Lunger-gauzen, A. L. Chupruga. *Dokl. AN SSSR* 171 no. 6:1121-1126 D '66.
- CASPIAN SEA REGION—GEOLOGY, STRATIGRAPHIC**  
Khalyva sediments in the northern Caspian Sea region. M. M. Vasiliev. *Bull. MOIP Old geol.* 36 no. 1:70-31 May-June '61.
- CASPIAN SEA REGION—GEOMORPHOLOGY**  
Geomorphological regionalization of the Azerbaijan shores and shore slopes of the Caspian Sea. I. N. Kononov. *Trudy Inst. geog. AN Azerb. SSR* 9:94-119 '60.
- CASSITERITE**  
(see also subdivision under: Transbaikalia)  
Unusual paragenesis of gentherite and cassiterite. L. S. Galitskii. *Min. sbor.* 20 no. 1:46-47 '66.
- CAST IRON**  
Calculating the solidification of cast iron castings. L. V. Zharbina, V. D. Kravina, A. A. Goshko. *Tekhn. i org. prom.* no. 6:56-58 N-D '66.  
Castings for testing engineering properties of magnesium cast iron in foundry parts in sand molds. A. A. Samarin and others. *Tekhn. i org. prom.* no. 6:52-53 N-D '66.  
Expendency of using cast iron for block heads of motor vehicle engines. A. V. Kustov. *Vys. prom.* 32 no. 12:39-41 D '66.  
Mechanism high-strength cast iron. N. P. Golubov. *Tekhn. i org. prom.* no. 6:36-38 N-D '66.
- CAST IRON—ANALYSIS**  
Determining the value of carbon equivalent of gray cast iron with help of cooling curves. I. M. Maronbar, V. V. Khandina. *Izv. vys. ucheb. zav. chem. met.* 10 no. 1:165-167 '67.  
Thermographic determination of carbon equivalent of hypereutectic cast iron. I. I. Iev, I. A. Katsay. *Izv. vys. ucheb. zav. chem. met.* 10 no. 1:159-164 '67.
- CAST IRON—ELECTROMETALLURGY**  
Magnesium cast iron for semi-shard cast-iron rolling mill rolls. D. Rusev. *Stal'* 21 no. 11:1049-1052 N '61.
- CAST IRON—METALLOGRAPHY**  
Investigating the metal from the seams of the blast furnace shaft and body blockwork. I. M. Galeimov, R. P. Buzhdelit. *Stal'* 22 no. 5:406-407 N '62.
- CAST IRON—METALLURGY**  
Complex modification of cast iron with magnesium and calcium silico salts. L. P. Markovskii, P. P. Lukan. *Tekhn. i org. prom.* no. 6:51-56 N-D '66.  
Improving engineering properties of gray cast iron. V. M. Klumov, G. F. Puzhnikov, A. A. Goshkov. *Tekhn. i org. prom.* no. 6:50-52 N-D '66.  
Using natural gas in making phosphorus converter pig iron. B. N. St. trashinov and others. *Stal'* 22 no. 5:396-400 N '62.
- CAST IRON—TESTING**  
Checking by magnetic methods the structure of the metal base and forms of graphite in crankshaft castings of high-strength cast iron. *Defektoskopiya* 2 no. 6:27-30 '66.
- CASTOR OIL**  
Stratification of castor oil miscelles. A. G. Neshchadin, G. A. Ouchnikov. *Mash. -zhil. prom.* 32 no. 11:13-15 N '66.
- CASTOR-OIL PLANT**  
Experience in the cultivation of castor-oil plants. V. A. Gromyko. *Shkola i prom.* 10 no. 10:36 O '66.
- CATALASE**  
Change in the catalase activity of the blood under the influence of lethal X-ray irradiation. L. A. Tsinov, G. A. Vasiliev, O. I. Smirnova. *Radiofizika* 2 no. 4:518-522 '62.  
Characteristics of glucose oxidase and catalase biosynthesis by *Penicillium vitale* on media different carbohydrates. N. V. Pokrovskaya and others. *Mikrobiologiya* 35 no. 6:957-959 N-D '66.  
Dissociation and reassociation of human oxythio cytochrome catalase. V. L. Shpil'sberg. *Biofizika* 11 no. 5:766-772 '66.  
Effect of Chukhuryud hydrogen sulfide baths on the catalase and peroxidase activity of the blood in polyarthritides. A. Z. Babayev and others. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. med. lech.* no. 6:159-162 '62.  
Effect of climate in the Chukhuryud and Dzhanghe health resorts on the catalase and peroxidase activity of the blood. Sh. M. Gasanov, A. Z. Babayev, I. L. Kravets. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. med. lech.* no. 6:32-40 '62.  
Mechanism of catalase process. G. I. Likhtenshtein, V. I. Nikitin, A. P. Purnmal'. *Klin. i kat.* 7 no. 6:1071-1074 N-D '66.
- CATALOGING OF ARCHIVAL MATERIAL**  
Instructional and informational apparatus for the classification of the archival materials of governmental agencies. I. I. Nosova, L. L. Smokunovich, D. I. Sofskii. *Sov. arkh.* no. 5:20-25 '66.
- Work practice of the groups which operate on business accounting. I. S. Sokolova, I. S. Sorokin. *Sov. arkh.* no. 5:79-82 '66.
- CATALOGS, CLASSIFIED**  
What should the system of classified catalogs be? L. Chien-shen. *Bibliotek. i* 44 no. 2:15-49 F '67.
- CATALOGS, PUBLISHERS**  
Classified subject cards. I. Alzenberg. *Knizh. toig.* 18 no. 1:21-22 Ja '67.  
Publishing houses and libraries. V. Nechayev. *Bibliotek. i* 44 no. 2:7-11 F '67.
- CATALOGS, UNION**  
[Union list of new foreign books, received by the libraries of the U.S.S.R. Series B Social sciences] *Svod. biol. nov. inosl. knig. postup. v bibl. SSSR. Ser. B Obshchestv. nauk.* nos. 3-5 '66.
- CATALYSIS**  
Alkylation of phenols by bisfunctional compounds. Report No. 15. Alkylation of m- and p-cresols with allyl alcohol in a flow system and catalytic isomerization of allyl ethers of cresols. E. A. Viktorova and others. *Izv. AN SSSR Ser. khim.* no. 12:2193-2197 '66.  
Catalytic activity of semiconductors of zincblend type in the reaction of formic acid decomposition. L. G. Maidanovskaya, I. A. Kirovskaya, V. P. Balaganskaya. *Trudy TGU* 185:124-128 '65.  
Catalytic interaction of nitrobenzene with cyclohexane, cyclohexene, and n-hexanes. N. S. Kozlov, N. K. Matveeva. *Uch. zap. Penin. ped. inst.* 32:14-20 '65.  
Catalytic interaction of nitrobenzene with hydrocarbons. N. S. Kozlov, N. K. Matveeva. *Dokl. AN SSSR* 172 no. 3:600-602 Ja '67.  
Catalytic interaction of nitrobenzene with methyl alcohol and dimethyl ether. N. S. Kozlov, V. Sh. Pasternak. *Uch. zap. Penin. ped. inst.* 32:3-8 '65.  
Catalytic transformations of equimolar mixture of methane and carbon dioxide. S. I. A. Kurganova and others. *Dokl. AN SSSR* 167 no. 2:350-353 N '66.  
Chemistry of hydrocarbons and their catalytic transformations. A. L. Liberman. *Usp. khim.* 30 no. 5:563-602 N '61.  
Composition and optical rotation of products yielded by catalytic conversion of l-menthol. E. I. Kabanovskii, L. F. Godunova, A. A. Balandin. *Kin. i kat.* 7 no. 6:1020-1024 N-D '66.  
Dihydrobenzene-chromium and its homologs as catalysts of some reduction reactions. D. D. Mozhukhin and others. *Izv. AN SSSR Ser. khim.* no. 1:175-177 Ja '67.  
Effect of pH of the medium on the course of catalytic hydrogenation of  $\beta$ -naphthylstyrene. L. Kh. Fridlin, E. F. Litvin, V. M. Chursina. *Kin. i kat.* 7 no. 6:1039-1044 N-D '66.  
Effect of the conditions of catalytic purification on the filterability of catalytic oil, and ways for improving its filterability. A. M. Kuliev and others. *Sbor. trud. Az. NII NP* no. 3:191-208 '58.  
Hydrogenation catalysts having an aluminosilicate base. A. V. Lozovoi and others. *Zhur. prikl. khim.* 34 no. 6:1200-1208 Jc '61.  
Kinetic method of studying pyrophosphate complexes of iron (III). Z. A. Shkva, L. P. Andrusenko, I. A. Shkva. *Zhur. neorg. khim.* 12 no. 1:74-80 Ja '67.  
Nature of drop down curves on polarographic and catalytic hydrogen waves in nonbuffer solutions of pyridine and its homologs. M. K. Polievkov, S. G. Mairanovskii. *Elektrokhimiya* 2 no. 12:1187-1191 D '66.  
Possibility of certain methods of catalytic synthesis of benzoxazoles. N. S. Kozlov, B. I. Kiselev. *Uch. zap. Penin. ped. inst.* 32:21-25 '65.  
Relation between catalytic and electric properties of germanium and its isoelectronic analogs. L. G. Maidanovskaya, I. A. Kirovskaya. *Trudy TGU* 185:23-27 '65.  
Theory of the thermal ignition. Report No. 3. Regularities of transition from self-ignition to ignition in systems with autocatalytic decomposition mechanism. V. G. Abramov, V. T. Gontkovaia, A. G. Merzhanov. *Izv. AN SSSR Ser. khim.* no. 1:28-29 Ja '67.  
Use of rare earth oxides in catalytic synthesis. I. I. Sosnina and others. *Vest. Mosk. un. Ser. 2: Khim.* 21 no. 6:99-104 N-D '66.
- CATALYSTS**  
Acid platinum-zeolite catalyst for second step of hydrocracking. A. I. Paishina and others. *Neftep. i neftekhim.* no. 12:17-20 '66.  
Akademiya nauk SSSR, Sibirskoe otdelenie, Institut analiza. [Methods of studying catalysts and catalytic reactions] *Metody issledovaniia katalizatorov i kataliticheskikh reaktiv.* Novosibirsk, Redaktsionno-izdatel'skii old Sibirskogo old-nia AN SSSR, Vol. 2, 1965, 445 p.  
Catalytic activity of mixed catalysts Ni-MgO. Part 2. V. Nikolejchenko, V. I. Dones, M. Krzhivanskii. *Kin. i kat.* 7 no. 6:1025-1031 N-D '66.  
Choice of anticorrosive coatings for the molding column of aluminosilicate catalysts. K. R. Organev, L. Kekelashvili. *Mash. i khim. prom.* no. 6:63-64 '66.  
Comparative data on the kinetics of benzene hydrogenation on Ni-Cu and Ni-Co alloys. E. I. Evzerikhin, G. D. Laborskii. *Kin. i kat.* 7 no. 6:1035-1038 N-D '66.

## CATALYSIS (Continued)

Dimerization of olefins under the effect of catalytic systems based on alkyl aluminum halides and nickel salts V. Sh. Gel'man, N. V. Chesnokov, V. I. Leshchinskii Dokl. AN SSSR 172 no. 11:11-13 Ja '67

Effect of composition on activity of bismuth-molybdenum catalysts in mild oxidation reactions of olefins M. S. Belen'kii and others Izv. vuzov khim. i tekhn. 1967 no. 4 no. 18-20 '66

Hydrodynamics of a fluid-bed catalyst under pressure I. P. Mikhlinov and others Zhur. prikl. khim. 31 no. 6 1981-1985 Ja '61

Hydrogenation of allyl alcohol on platinum and palladium catalysts with polyacrylonitrile as a support D. V. Sokol'skii and others KSNR 172 no. 6:1032-1038 N-D '66

Measurement of powdered catalyst potentials in dielectric media Part 2 Reduction of unsaturated compounds G. V. Taneeva, A. R. Pasmann, D. V. Sokol'skii, Elektrokhim. 2 no. 12:1457-1463 D '66

Models of biological catalysts L. V. Nikol'skii Priroda 1967 no. 147-56 Ja '67

Study of conversions of cyclohexane and cyclohexene in the process of reforming in the case of poisoning of catalysts by thiophene G. V. Lapointe, M. A. Blashchinskaya Dokl. AN SSSR 172 no. 9:507-509 Ja '67

Study of nickel-magnesium catalysts for hydrogenation obtained by the decomposition of oxalates I. B. Rapoport, V. V. Fomina, A. I. Michan Zhur. prikl. khim. 34 no. 6 1186-1192 Ja '61

Studying some relationships between the aerated bed in a vertical standpipe and the circulation system of finely dispersed materials S. M. Agacova, Shoi. trud. AN NII NP no. 3:430-137 '68

## CATALYSTS—ELECTRIC PROPERTIES

Changing of the surface of some oxide catalysts in adsorption of propylene-oxygen mixtures L. E. Dorlukova, A. V. Kiylova, KSNR 172 no. 6:1045-1051 N-D '66

## CATALYSTS, EFFECT OF RADIATION ON

Conversion of n-hexane over aluminum-chromium-potassium catalyst subjected to radiation in a nuclear reactor Viktor I. Spitsyn and others Dokl. AN SSSR 171 no. 1907-910 D '66

## CATARHUS

(see also subdivision under Latvia)

Significance of the functional properties of receptors of various sections of the upper respiratory tract in the pathogenesis of angina and acute catarrh A. G. Nikhinson Zhur. ush., nos. 1:901-901 19 no. 6:12-16 N-D '69

## CATEGORIES (MATHEMATICS)

On the description of the duality functor L. M. Kissin, A. S. Shvarts, Dokl. AN SSSR 167 no. 2:282-285 Mi '66

## CATEGORIES (PHILOSOPHY)

Stepulin, A. P. [The interrelationship of categories in materialistic dialectics] Osvetomislavskii katekizmaticheskoi dialektiki, Moskva, Znanie, 1964, 14 p. (Novoe v zhizni, nauke, tekhnike, II Seriya: Filosofiya, no. 1)

(NH)

## CATFISHES

Fish filets from smoked catfish IU, M. Danilov, Ryb. khoz. 43 no. 1:63-65 '67

## CATHEDRALS see subdivision under Riga

## CATHODES

Existence of a minimum work function of film-type cathodes L. A. Tishin, B. M. Tsarev, Fiz. tverd. tela 8 no. 11:3181-3186 N '68

Formation of insoluble rare earth hydroxides on the cathode surface B. K. Petrin, N. S. Bybyreva, Elektrokhim. 2 no. 12:1470-1473 D '66

## COTTECTION

chemically protection of steel in the steam of oil field brines and petroleum V. F. R. Sharifov, K. A. Kariyev, Trudy Inst.

## CATHOLIC CHURCH—SOCIAL POLICY

New trends in present-day catholicism V. I. U. Bychatin, Pyt. atez. no. 1:30-45 '65

## CATIONS

Calculations according to a new empirical formula for computing cation radii with inert gas shells G. A. Kuzubov, Teoret. i eksper. khim. 2 no. 5:707-709 S-O '66

Cation diffusion along faces of alkali halide bicrystals I. A. E. Geguzin and others, Fiz. tverd. tela 8 no. 11:3248-3253 N '66

Relationship between cations and ATP and myosin and actomyosin monolayers M. M. Zaslavskii, A. R. Dglezarova, Biophysika 11 no. 5:785-790 '66

## CATTLE—DISEASES AND PESTS

Some data on the leishmaniasis of cattle V. M. Lomesh, M. M. Herasimovich, Vestn. AN BSSR, Ser. sel'skosp. nay. no. 1:122-127 '66

## CATTLE—FEEDING AND FEEDS

(see also subdivision under Dzhanbul Province; Stavropol Territory)

Carbohydrate nutrition of young cattle A. D. Chukhova, Dokl. TSKHA no. 45:73-77 '69

Cattle fattening with food industry by-products is profitable A. V. Sukolov, Zhur. prikl. khim. no. 8 21-23 Ag '66

Hematological indices in young Red Steppe cattle and their crosses with Charolais cattle under intensive fattening V. Z. L. Ivanovskii and others Dokl. Akad. sel'sk. khoz. no. 9:32-36 S '66

Jerusalem artichoke, a cheap food for cattle I. S. Zagorodnyi, Priroda no. 1:80-90 Ja '67

Some indices of the metabolism of the rumen in young cattle in connection with the use of urea and sodium sulfate P. S. Kharukhova, Vestn. AN BSSR, Ser. sel'skosp. nay. no. 1:78-83 '66

## CATTLE—PHYSIOLOGY

Age-related changes in parietal digestion in cattle T. U. Izmailov, Trudy Inst. fiziol. AN Kazakh SSR 10:50-53 '66

Effect of ultraviolet radiation using the FRK-7 lamp on the growth and physiological state of calves R. D. Zlatetska, Dokl. TSKHA no. 15:163-167 '69

Materials on parietal digestion in ruminants N. U. Baranova, T. U. Izmailov, Trudy Inst. fiziol. AN Kazakh SSR 10:14-19 '66

## CATTLE BREEDING

Effect of insemination dates as related to evaluation on the viability of embryos V. V. Zharkina, Vestn. AN BSSR, Ser. sel'skosp. nay. no. 1:102-105 '66

Relationships between productive and breeding qualities in cattle K. V. Bannova, Dokl. TSKHA no. 45:57-61 '69

## CATTLE TRADE see subdivision under Sverdlovsk Province

## CATTLE TRADE—MANAGEMENT see subdivision under Irkut (Sverdlovsk Province)

## CAUCASUS—BELEMNITES

New finds of Belemnites in the southeastern Caucasus R. A. Alev, Dokl. AN Azerb. SSR 18 no. 3 43-45 '62

## CAUCASUS—BIRDS, FOSSIL

Upper Tertiary birds of Caucasus N. I. Burdakov, Abstr. Sov. AN Geol. SSR 14 no. 3:651-656 D '66

## CAUCASUS—DESCRIPTION AND TRAVEL

Your country (continuation), G. S. Syferov, Sem'ia i shkola 21 no. 7:58-59 '61

## CAUCASUS—EROSION

Soil moisture and erosion as exemplified in the humid subtropical regions of the U.S.S.R. A. M. Burykin, Pochvovedenie no. 3:66-69 Mi '60

## CAUCASUS—GASTROPODA, FOSSIL

Range of vertical distribution of Upper Cretaceous Gasteropoda of fossil Caucasus R. N. Memzade, Dokl. AN Azerb. SSR 22 no. 9:69-72 '66

## CAUCASUS—GEOGRAPHICAL RESEARCH

Contribution to the history of geological and geographical exploration of the Caucasus (from the second half of the 18th century to 1917) V. L. Vilenkin, Trudy Inst. ist. est. i tekhn. 42:63-79 '62

## CAUCASUS—GEOLOGICAL RESEARCH

Contribution to the history of geological and geographical exploration of the Caucasus (from the second half of the 18th century to 1917) V. L. Vilenkin, Trudy Inst. ist. est. i tekhn. 42:63-79 '62

## CAUCASUS—GEOLOGY

Certain results of studying the intrusion complexes of the Greater Caucasus A. M. Domin, Bul. MOIP, Old. geol. 30 no. 3:140-141 My-Je '61

## CAUCASUS—LANDFORMS

Role of the fracture tectonics in the relief formation in Krasnodarskiy region of the Greater Caucasus V. A. Rastvorova, Bul. MOIP, Old. geol. 36 no. 3:32-37 My-Je '61

## CAUCASUS—LOESS

Loess-type soils in the northeastern slope of the Lesser Caucasus R. G. Sultanov, A. Kh. Kasimova, Dokl. AN Azerb. SSR 18 no. 3:53-58 '62

## CAUCASUS—PALEONTOLOGY, STRATIGRAPHIC

Stratigraphic division of Upper Cretaceous in southeastern Caucasus R. A. Alev, Dokl. AN Azerb. SSR no. 17:50 '60

## CAUCASUS—PETROLEUM REFINING

From the history of Soviet oil refining technology K. Kostin, Neftnikh 11 no. 10-11 G '66

## CAUCASUS—PROSPECTING

Russian herons, a sketch P. P. Prolov, Neftnikh 11 no. 10-11 G '66

## CAUCASUS—ROCKS—THERMAL PROPERTIES

Thermophysical properties of rocks and the hydrothermal fluxes in certain regions of the Caucasus V. N. Chukin, Pochvovedenie no. 1:11-17 Ja '67

## CAUCASUS—SALTWORT

New saltwort column Tall in the flora of Caucasus V. N. Chukin, Pochvovedenie no. 1:11-17 Ja '67

## CAUCASUS—SOILS—POTASSIUM CONTENT

Potassium, radium, and thorium in the top layer of soils in the Caucasus V. F. Bendenkov, S. V. Iokhlevskii, V. N. Chukin, Pochvovedenie no. 1:11-17 Ja '67

## CAUCASUS—SOILS—RADIUM CONTENT

Potassium, radium, and thorium in the top layer of soils in the Caucasus V. F. Bendenkov, S. V. Iokhlevskii, V. N. Chukin, Pochvovedenie no. 1:11-17 Ja '67

## CAUCASUS—SOILS—THORIUM CONTENT

Potassium, radium, and thorium in the top layer of soils in the Caucasus V. F. Bendenkov, S. V. Iokhlevskii, V. N. Chukin, Pochvovedenie no. 1:11-17 Ja '67

## CAUCASUS—SPINDLE TREE

Growth characteristics of the Japanese spindle tree (Eucalyptus japonica) K. U. Odishvilia, Trudy, inst. bot. sda no. 13:69-80 '60

## CAUCASUS—WHEAT

Importance of the collection of local wheats of the Caucasus of the Azerbaijan S.S.R. for bread and production M. G. Mamedov, Dokl. AN Azerb. SSR no. 3:49-51 '62

## CAUCASUS, NORTHERN—BITUMEN—QUOLKAY

Bitumen content and distribution in the Upper Jurassic of the Northern Caucasus I. A. Konukhova, G. R. Konukhova, Rozved. i okh. 26 no. 10:15-16 '60

## CAUCASUS, NORTHERN—CHICK PEA—DISEASES AND PESTS

Evaluating the resistance of chick-pea to various diseases G. V. Vedyshova, Vest. sel'sk. khoz. no. 11:10-11 D '66

## CAUCASUS, NORTHERN—COLLECTIVE FARM—INTERFARM COOPERATION

Let us strengthen the intercollective (farm) cooperation B. Mishakin, Agitator no. 17:16-17 S '66

## CAUCASUS, NORTHERN—CONVEYING MACHINERY

Organizing interplant conveying in enterprises of the Northern Caucasus N. I. Nchakov, P. S. Vlasov, Trudy, inst. ekon. inform. Gos. nauch. i issled. inst. tekhn. i tekhn. 10 no. 11:83-84 N '66

## CAUCASUS, NORTHERN—FRUIT TREES—FRUIT TREES AND MANURES

Use of mineral fertilizers in orchards in Northern Caucasus (work results for 1945-1955) A. I. Likhachev, Khim. v sel. khoz. 5 no. 1:8-12 Ja '64

## CAUCASUS, NORTHERN—METASOMATISM

Metasomatic processes in Tsyngly Mts. P. V. Ketskiyev, Soob. AN Gruz. SSR 44 no. 2:311-318 S '66

## CAUCASUS, NORTHERN—PETROLEUM GEOLOGY

Some results of comparative study of hydrogeological zonation in eastern Caucasian and the Shakh Trough V. N. Kortseva, Dokl. AN Azerb. SSR no. 2:400-412 Mi '60

## CAUCASUS, NORTHERN—PETROLEUM PRODUCTION—COSTS

Work practice under new circumstances K. I. Likhachev and others, Neft. khoz. 44 no. 10:15-16 S '66

## CAUCASUS, NORTHERN—PONDS

Intensity of the silt of ponds in the Northern Caucasus M. A. Prytkova, Gidromet. 10 no. 1:16-17 S '66

## CAUCASUS, NORTHERN—PYRITES

Regularities in the distribution of pyrite deposits in the Northern Caucasus V. F. Pavlovskii, Rozved. i okh. no. 26 no. 8:5-7 Ag '60

## CAUCASUS, NORTHERN—REVOLUTION, 1917-1921

Gloey, M. I. [Efforts of the Bolsheviks of the Terek Valley to solve the agrarian question in the period of the victory of the socialist revolution and establishment of the Soviet regime, March 1917-February 1918] Borba bol'shevikov Tereka za razreshenie agrarnogo voprosa v period pobedy sotsialisticheskoi revolyutsii i ustanovleniya Sovetskoi vlasti (mart 1917- fevral' 1918 gg.), Ordzhonikidze, 1966, 173 p.



## CAUCASUS, NORTHERN—ROCKS, IGNEOUS

Characteristics of crystallomorphology and chemistry of accessory zircon of different age of igneous complexes in Northern Caucasus and possibilities of their use as geochron indicators. I. V. Kravchenko. Min. shor. 20 no. 1537-59 1966.

## CAUCASUS, NORTHERN—SPRINKLER IRRIGATION

New sprinkling equipment in Northern Caucasus. P. S. Monastirchikov, K. F. Lobov. Biol. tekhn. ekonom. Gos. mash. 1964 inst. mash. tekhn. inform. 19 no. 12 36-3a D 1966.

## CAUCASUS, NORTHERN—SULFIDES

Microbiological study of some sulfide deposits of Northern Caucasus. N. N. Lashkova, Z. P. Derjugin. Mikrobiologiya 35 no. 6, 1012-1016 N-D 1966.

## CAUCASUS, NORTHERN—WAGES—PROSPECTING

Short working day with new wage arrangements. S. L. Zhukov, Razved. i okh. nedr. 26 no. 8 57-58 Ag 1966.

## CAUCASUS, NORTHERN—WATER, UNDERGROUND

Underground waters of Pankisi deposits in Caucasus. I. N. Shukov. Izv. vuz. tekhn. av. i. tekhn. 9 no. 8 3-5 1966.

## CAUCASUS, NORTHERN—ZIRCON

Characteristics of crystallomorphology and chemistry of accessory zircon of different age of igneous complexes in Northern Caucasus and possibilities of their use as geochron indicators. I. V. Kravchenko. Min. shor. 20 no. 4 589-593 1966.

Some characteristics of accessory zircon of different ages. V. V. Lashkova, T. I. Balanova. Min. shor. 20 no. 1 559-565 1966.

## CAUSATION

The problem of causation. K. I. Ivanova. Nauch. trudy TsAGI 10 no. 279-280-14 1965.

## CAVERNOUS SINUS

One-stage intra- and extracranial exclusion of the carotid artery in carotid-cavernous anastomosis as a method of preventing disorders of brain blood circulation. A. A. Shlykov. Zhur. nevrol. psikh. 62 no. 11 1686-1695 1965.

## CAVES

(see also subdivision under Altai Mountains, Bashkiria, Bol'shoy Kolkhim Valley, Cherdyn' District, Kopperiya Valley, Paim Province, Sverdlovsk Province)

Basic stages in the development of multilevel horizontal karst caves in limestones and gypsums. G. A. Maksimovich. Peshechery no. 2 25-31 1962.

Chart for listing karst caves. Peshechery no. 2 102-101 1962.

Types of karst caves, wells, and pits. G. A. Maksimovich. Peshechery no. 2 5-23 1962.

Number of caves in some countries of the Western Hemisphere. Peshechery no. 2 107-108 1962.

Visitors of caves. Peshechery no. 2 105-107 1962.

## CAVITATION

Resistance to cavitation of hydraulic turbine materials under actual operating and laboratory conditions. N. I. Pilyav. Energomashinostroyeniye 6 no. 9 26-31 5 1960.

## CECUM

Relationship of cellulose decomposition in rumen and of sheep. N. U. Bazanova, V. A. Moiseev. Trudy Inst. fiziol. AN Kazakh SSR 10 5-12 1966.

## CECUM—RADIOGRAPHY

Metaplastic processes in the stomach and cecum in leukemia, X-ray observations. G. P. Malyshkin. Probl. gignat. i pchel. khoz. 12 no. 1 31-35 Ja 1967.

## CELESTIAL MECHANICS see Mechanics, Celestial

## CELESTINE CRYSTALS see subdivision under Tajikistan

## CELL DIVISION (BIOLOGY)

Changes in functional activity of neurohormones in Paracrotalus lividus embryos in course of a mitotic cycle. G. A. Buznikov, L. V. Beidyshova. Dokl. AN SSSR 167 no. 2 186-188 Mr 1966.

## CELL NUCLEI

Irregularities in H<sup>3</sup>-thymidine incorporation into cell nuclei of pancreas. L. A. Zolotareva. Dokl. AN SSSR 171 no. 4 985-987 D 1966.

Radiosensitivity of nuclear cell apparatus in various organs of mammalian embryos. T. D. Onetova, I. U. IA, Kerkis, I. M. Morozova. Genetika no. 12 60-77 1966.

## CELLS

Characteristics of assimilation activity and cell composition in Scenedesmus quadricauda of various ages. S. S. Danilavskaya, L. S. Bamburova. Vest. Mosk. univ. Ser. Biol., puchv. 21 no. 5 27-34 S-O 1966.

How much substance has a cell? Inform. biol. VDNKH no. 12 35 D 1966.

Some characteristics of submicroscopic structures of mitochondria and their relation to other cell structures. I. Sh. Vaynshteyn. Arkh. citol. i pcel. 51 no. 10 31-39 O 1966.

Submicroscopic morphology and structural relationship between receptor and basolateral plasma cells in a series of 10 L cells. V. L. Buravskiy. Biokh. zh. 11 no. 10 10-11 1968.

## CELLS—PERMEABILITY

Changes in permeability of frog muscles by mental substances, following depolarization. T. A. Liberman, I. M. Shofina. Biokh. zh. 11 no. 5 832-834 1966.

## CELLULAR PATHOLOGY see Pathology, Cellular

## CELLULOSE

(see also subdivision under Namangan)

Cellulose decomposition in sheep rumen as related to physiological conditions. V. A. Moiseev. Trudy Inst. fiziol. AN Kazakh SSR 10 13-16 1966.

Change of the supramolecular structure of cellulose during sulfate and sulfate cooking. L. D. Paiminov, V. I. Shukov. Bum. prom. no. 1 3-5 Ja 1967.

New discoveries on the chemical composition of the cellulose molecule. V. A. Moiseev and others. Izv. AN Kaz SSR no. 2 31-34 S-O 1966.

Relationship of cellulose decomposition in rumen and of sheep. N. U. Bazanova, V. A. Moiseev. Trudy Inst. fiziol. AN Kazakh SSR 10 5-12 1966.

Sawdust for the manufacture of high-yield hemicellulose and cellulose. F. Shvaytsheyn and others. Bum. prom. 37 no. 3 7-10 My 1962.

States of aggregation of high molecular weight compounds. Part 3. Effect of temperature on some cellulose films and hydrocellulose films. [With summary in English]. R. L. Feldman. Koll. zh. 23 no. 3 45-52 My 1961.

Studying the hydroxylability of cellulose after its swelling in concentrated sulfuric acid. I. P. Vyrtseva, V. I. Shukov. Shoi. trudy NIIS 11 152-160 1965.

## CELLULOSE—SOLUBILITY

Studying the effect of the modulus of concentrated sulfuric acid and the presence of sugars in it on the solubility of cellulose. L. P. Vyrtseva, V. I. Shukov. Shoi. trudy NIIS 11 161-165 1965.

## CELLULOSE ACETATES

Investigation of internal stresses existing in the formation of nitro- and acetyl cellulose films on glass supports. [With summary in English]. S. A. Shcheglov, I. I. Zubov, A. S. Arvan. Koll. zh. 23 no. 3 111-117 My-Je 1961.

## CEMENT

Glass reinforced cement is a structural material reinforced with nonmetallic fibrous. K. I. Buznikovich, I. U. IA, Buznikovich. Shoi. trudy NIIS 11 18-20 N 1961.

Kinetics of cement hydration in concrete at elevated temperatures. I. A. Shcheglov, N. V. Mikhailov, P. A. Reubinder. Dokl. AN SSSR 167 no. 2 391-394 Mr 1966.

Utilization of wastes. I. A. Molodtsov. Nauch. trudy Ros. 1 no. 1 20 Mr 1963.

## CEMENT—DENSITY

Device for measuring thickening of plugging slurries at high pressures and temperatures. V. S. Buzhenov. Mash. i elekt. obr. no. 11 15-19 1966.

## CEMENT—STANDARDS

Standardization of the methodology for evaluating the quality of types of cement. L. I. Rabinov. Bet. i zh. el. 11 no. 12 561-563 D 1961.

## CEMENT—TESTING

Chasing mechanisms for compacting specimens when testing cements and concretes. A. E. Desov. Trudy NIIZHB no. 10 111-123 1961.

## CEMENT CLINKERS

Process of assimilation of lime in the synthesis of clinker minerals and roasting of clinkers in presence of additions of CaO, MgO, P<sub>2</sub>O<sub>5</sub>, V<sub>2</sub>O<sub>5</sub>. Izv. vuz. tekhn. i. tekhn. 9 no. 5 802-808 1966.

## CEMENT INDUSTRIES

(see also subdivision under Sebyakov, Volgograd Province)

The reform in action. I. Babayeva, I. Gusev. Part. zhizn' no. 7 24-28 Ja 1967.

## CEMENT INDUSTRIES—EQUIPMENT AND SUPPLIES

New automated mortar unit. A. B. Topolianskii. Stroitel. arkhitekt. 28 no. 7 35 J1 1965.

## CEMENT INDUSTRIES—STATISTICS

Influence of the concentration of production on the use of industrial equipment, as exemplified by the cement industry. A. Lukantsev. Vest. stat. no. 1 24-25 1967.

## CEMENT PLANTS

Prospects for the development of equipment for the cement industry. L. I. Astantsev, O. A. Nevolzhskii. Stroitel. i dor. mash. 6 no. 12 14-17 D 1961.

## CEMENTATION (METALLURGY)

Kinetics of the process of cementation of noble metals from cyanide solutions. I. A. Kiselevskii, O. K. Shchepetkov. Izv. AN SSSR. Met. no. 1 76-78 Ja-I 1967.

## CENTAUREA

Chemical study of centaurea (Centauria brevicaulis Hymn). A. B. Kurma. Farmatsiya 1967 no. 10 41 1967.

## CENTRAL AMERICA—POLITICS

The Central American Defense Council. IG. Konstantinov. Mezhdunar. zhurn. 11 no. 2 158-160 1967.

## CENTRAL ASIA see Asia, Central

## CENTRAL ASIA, SOVIET see Soviet Central Asia

## CENTRAL CHERNOZEM ECONOMIC REGION—BUSINESS ENTERPRISES

(Production combines (finis), method and practice in organizing firms in the industry of the Central Chernozem Region) Proizvodstvennye ob'edineniya (firmy), metodika i opyt organizatsii firm v promyshlennosti Tsentral'no-Chernozemnogo oboz. Voronezh. Izd-vo Voronezhskogo univ. 1966 64 p.

## CENTRAL CHERNOZEM PRESERVE—HUMUS

Role of microorganisms in the decomposition of oak litter. O. I. Kurcheva. Pochvovedeniye no. 4 16-23 Ap 1966.

## CENTRAL CHERNOZEM REGION—RUNOFF

Modulus of runoff of suspended alluvium and distribution of it in Central Chernozem Region. L. K. Kovalev. Shoi. trudy po glizol. no. 6 111-119 1966.

## CENTRALIZED AUTOMATIC CONTROL SYSTEMS

For you, friend! I. A. Arsenko. Avtom. telemekhaniz. 10 no. 10 44-48 N 1966.

## CENTRALIZED AUTOMATIC CONTROL SYSTEMS—EXHIBITIONS

"Interorgtekhnik-66." Energ. i tekhn. no. 6 51-55 N-D 1966.

## CENTRALIZED AUTOMATIC CONTROL SYSTEMS—RELIABILITY

Reliability of control and signal systems in automated mine installations. L. A. Glimel'shtein, B. S. Nikishin. Izv. vuz. tekhn. i. tekhn. 8 no. 9 117-119 1965.

## CENTRIFUGAL FORCE

Testing the parameters of TsPO centrifugal drives. V. K. Tikhonov. Mash. i elekt. mekh. i avtomatiz. trudy prof. V. ugol. prom. no. 2 125-129 1965.

## CENTRIFUGAL PUMPS

Problem of hydraulic similitude in centrifugal pumps. K. N. Shestakov. Lop. mash. i stroit. app. no. 1 204-216 1966.

Relationship of the  $M$  coefficient of the reaction wheel of a centrifugal pump and its geometrical parameters and operating conditions. A. P. Chernik. Lop. mash. i stroit. app. no. 1 176-203 1966.

## CENTRIFUGES

Using centrifugation for removing ammonium salts of benzenesulfonic acids from alkylphenol. M. G. Mitrofanov and others. Nefteper. i neftekhim. no. 8 48-50 1966.

## CERAMIC MATERIALS

Dacite porphyries as high quality raw material for the manufacture of acid-resistant ceramic materials. L. D. Mukhin. Izv. vuz. tekhn. i. tekhn. 8 no. 3 201-217 D 1966.

## CERAMIC MATERIALS—STANDARDS

skva [Izd-vo Standartov, 1964] 16 p. (SSSR Gosudarstvennyi standart)

## CERAMIC METALS

Ceramic metal structural materials. I. D. Radomyskiy, V. N. Klimenko, A. F. Zhornitskiy. Porosh. met. 6 no. 12 27-36 D 1966.

Economic efficiency in the use of nickel-free ceramic metal materials for turbogenerator sealing. V. N. Miroshnikov, N. L. Moldavskii. Porosh. met. 6 no. 12 43-45 D 1966.

Manufacture of bronze-graphite strips by powder rolling. V. A. Spivov, G. A. Vinogradov. Porosh. met. 6 no. 12 9-14 D 1966.

Production of iron-base ceramic metal friction materials. I. A. V. Kolkpakov and others. Porosh. met. 6 no. 12 46-48 D 1966.

Samsanov, G. V. [Berillidy] Berillidy. Kiev, Naukova dumka, 1966, 107 p.

Sintering ceramic metal structural materials by high-frequency currents. N. V. Nikitina. Porosh. met. 6 no. 12 16-20 D 1966.

Titanium-base ceramic metal alloys. N. N. Timoshenko and others. TSvet. met. 33 no. 3 68-74 Mr 1966.

Using chemical and thermal treatment of ceramic materials. L. G. Erchenko, K. M. Khazankina. Avi. prom. 33 no. 1 45-48 Ja 1967.



## CHECHEN-INGUSH A.S.S.R.—PETROLEUM PRODUCTION

Comparative economic appraisal of new oil fields in Chechen-Ingush A.S.S.R. I. M. Usmayev. Izv. vuz. učeb. zap., 1967, 1, 1, 1-10, 95-99, 1967.  
First steps, work of Oil Field Administration of "Starogorodsk" under new conditions. V. B. Nazarov. Neftianik, 11 no. 10-12, 3 O '66.

## CHECHEN-INGUSH A.S.S.R.—PETROLEUM WORKERS

Beating the name October. G. I. Shov. Neftianik, 11 no. 10-12, 3 O '66.  
Such is his character. G. I. Shov. Neftianik, 11 no. 11-13, Ag '66.

## CHECHEN-INGUSH A.S.S.R.—PROSPECTING

Beating the name October. G. I. Shov. Neftianik, 11 no. 10-12, 3 O '66.

## CHEESE

Characteristics of the ripening of cheese produced from the milk of black and white and Jersey cows. G. A. Smirnova. Dokl. TskhA, no. 15, 125-129, '59.  
Feed factors influencing the quality of milk for cheese making. M. I. Kuznetsov. Dokl. Akad. sel'sk. nauk, no. 9, 24-29, S '66.

## CHEKHOV, ANTON PAVLOVICH, 1860-1904

Chkhov, Moskov, Izd-vo Akad. nauk SSSR, 1960, 909 p., illus., facsimile.  
(OO)

Chkhov's work on the story "The bride." V. Gal'diner, V. Khalizov. Vop. lit., 1 no. 9, 161-163, S '61.

## CHELATES

Extraction of inner complex compounds of elements with 1-phenyl-1,3-methyl-4-benzoyl-5-pyrazolone. Extraction of scandium, manganese, and strontium. I. U. A. Zolotarev, V. G. Lashchev. Radiokhimiya, no. 6, 627-632, '66.

## CHELATES—SPECTRA

Changes in electronic paramagnetic resonance spectra of polychelate compounds of copper as a result of their treatment. G. F. Gerasimova, V. F. Anisimov, N. P. Keler. Khim. listy, 7 no. 6, 1070-1080, N-D '66.

## CHEL'YABINSK—BUILDING INSPECTORS

Active aids of constructors. V. G. G. Na stol. Ros., 1 no. 9, 11-15, S '61.

## CHEL'YABINSK—EDUCATION—EXPERIMENTAL METHODS

Scientific organization of work in schools. G. Abramova. Na stol. no. 1, 81-85, Ja '61.

## CHEL'YABINSK—EXERCISE THERAPY

Experience in the organization of exercise therapy in the medical sanitary section of Chelyabinsk Metallurgical Plant. K. N. I. Vokosimov. Vop. nau. i tekhn. i lech. fiz. kul't., 31 no. 6, 563-564, '66.

## CHEL'YABINSK—MEDICINE, INDUSTRIAL

Experience in the organization of exercise therapy in the medical sanitary section of Chelyabinsk Metallurgical Plant. K. N. I. Vokosimov. Vop. nau. i tekhn. i lech. fiz. kul't., 31 no. 6, 563-564, '66.

## CHEL'YABINSK—MILITARY EDUCATION

At the Chel'abinsk Metallurgical Combine... V. Rad'ko, S. Rubchinskii. Voen. znani, 41 no. 1, 31 Ja '67.

## CHEL'YABINSK—ROAD MACHINERY INDUSTRY—MANAGEMENT

In the Chel'abinsk Road Machinery Plant. A. Nosikov, L. Kholitsa. Selsk. i prom., 12 no. 2, 30-43, F '67.

## CHEL'YABINSK BASIN—COAL MINES AND MINING—FIRES AND FIRE PREVENTION

Experience in prevention of spontaneous fires in Coal Mine No. 18-bis. A. N. Iuditsky, A. Z. Litvin, V. S. Makarenko. Bezop. truda v prom., 11 no. 1, 34-35, Ja '67.

## CHEL'YABINSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

[Pay attention to the individual; from practice of party mass work in the party organizations of Chelyabinsk Province] Vnimanie cheloveku, iz opyta partino-massovoi raboty v partorganizatsionkh Chel'abinskoi oblasti. [Chel'abinsk] Izuzhno-Ural'skoe knizhnoe izd-vo, 1966, 249 p.  
(CS-11)

## CHEL'YABINSK PROVINCE—GRANARIES

Practice of receiving grain directly from the harvesters at the granaries of the Pnza and Chelyabinsk Provinces. V. Blagirev. Muk. elev. prom., 26 no. 3, 7-8, Mr '60.

## CHEL'YABINSK PROVINCE—LIBRARIES AND READERS

We make some progress but... M. Lebedev. Bibliotekar', 44 no. 2, 24-26, F '67.

## CHEL'YABINSK PROVINCE—SOCIAL GROUP WORK

Courses for political lecturers. V. Zolotov. Agitator, 34 no. 4, 35, F '67.

## CHEL'YABINSK PROVINCE—WELLS

Improvement of a water-jet apparatus. I. A. Borodin, S. Nagdaev. Tekh. v sel'khoz., 27 no. 1, 78-79, '67.

## CHEMICAL BONDS

Bond energy of oxygen in the surface layer of cupric oxide as determined by means of adsorption calorimetry. V. L. Ostrovskii, N. N. Dobrovolskii. Dokl. AN SSSR, 172 no. 2, 640-650, Ja '67.

Effect of chemical bonding on K $\alpha$ -spectrum of sulfur. M. A. Blokhin, V. F. Demekhin, L. S. Gorbatenko. Izv. vuz. učeb. zap., 12 no. 6, 136-139, '66.

Effect of chemical bonding on the K $\beta$ -band of chlorine. V. F. Demekhin, M. A. Blokhin. Izv. vuz. učeb. zap., 12 no. 6, 154-155, '66.

Elementary acts of some polymerization processes. D. N. Shigin, V. A. Chupov, V. G. Plotnikov. Dokl. AN SSSR, 172 no. 1, 111-114, Ja '67.

Entropy of molecules as an additive value of bond entropy. M. P. Mullaeva, V. U. Shevelov. Dokl. AN SSSR, 171 no. 6, 1309-1312, D '66.

Existence of multiple bonds  $\text{Zr}=\text{O}$  and  $\text{Hf}=\text{O}$  in solutions of complex ethenyl and hafnium salts. L. P. Lipatova, F. I. Semanova. Izv. AN SSSR, Ser. Khim., no. 1, 6-9, Ja '67.

Role of chemical bond in reactions occurring between intermetallic compounds. I. L. Kornilov. Dokl. AN SSSR, 172 no. 1, 101-103, Ja '67.

Study of properties of Si-H bond in monosilanes by paramagnetic resonance method. V. O. Reikhsfel'd, L. N. Gubanov. Teoret. i eksper. khim., 2 no. 5, 629-634, S-O '66.

X-ray diffraction examination of bimetallic carbonyl derivatives and the length of metal-metal bonds in molecules. I. U. T. Struchkov and others. Dokl. AN SSSR, 172 no. 1, 107-110, Ja '67.

## CHEMICAL ELEMENTS

(see also subdivision under Yakutia)

Distribution of chemical elements in earth crust and quantity of mineral species. A. S. Potarennykh. Min. shor., 20 no. 2, 178-185, '66.

Thermodynamic equations of distribution of chemical elements in crystallization of magma. T. N. Eliseev. Min. shor., 20 no. 2, 166-177, '66.

## CHEMICAL INDUSTRIES

(see also subdivision under Armenia, Poland, Uzbekistan, White Russia)

A new upsurge in the chemical industry of the U.S.S.R. P. R. Garuchva. Trudy Tbil. GU, 12, 7-20, '65.

Ways of expanding the industry for the chemical processing of coal. S. G. Aronov, I. U. B. Tiumanov. Koks i khim., no. 5, 14-17, '62.

## CHEMICAL INDUSTRIES—FINANCE see subdivision under Vostresensk (Moscow Province)

## CHEMICAL INDUSTRIES—SAFETY MEASURES

Protecting workers' labor is a vital concern of trade unions. V. Alekseev. Neftianik, 11 no. 8, 18-19, Ag '66.

## CHEMICAL MACHINERY—DESIGN AND CONSTRUCTION see subdivision under Moscow

## CHEMICAL MACHINERY—MAINTENANCE AND REPAIR

Keep up strictly with the schedule of equipment repair. A. N. Lisovskii. Bezop. truda v prom., 11 no. 1, 28-29, Ja '67.

## CHEMICAL MODELS

Application of the theory of similitude to chemical processes. V. V. Kafarov, V. A. Reuski. Usp. khim., 30 no. 5, 679-700, My '61.

Certain problems involved in modeling the process of liquid-phase oxidation of paraffin hydrocarbons. V. V. Veselov, A. I. Ilin. Trudy NISZHMsa, no. 2, 13-19, '61.

Linear speed of air as a basic criterion in modeling the process of liquid-phase oxidation of paraffin hydrocarbons. V. V. Veselov, A. I. Ilin. Trudy NISZHMsa, no. 2, 10-25, '61.

Problems in the simulation of the characteristics of a biological catalysis. V. A. Afanas'ev and others. Izv. AN Kir. SSR, no. 2, 10-46, S-O '66.

## CHEMICAL PLANTS

Restoration and anticorrosion protection of an acid shop building. E. V. Makarov, E. A. Rubbakh. Prom. stroi, 30 no. 12, 26-29, '61.

## CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Kemerovo; Moscow; Omsk; Vostresensk, Moscow Province)

Determining optimal length of time for rebuilding shops. V. A. Bol'shakov. Prom. stroi, 44 no. 12, 17-19, '66.

Undisputable advantages. B. Sosylnikov, A. Uvaev. Na stol. Ros., 5 no. 3, 22-23, Mr '66.

A matter of state importance. S. Rovenakii, Na stol. Ros., 5 no. 3, 3-5, Mr '64.

Outdoor location of systems in production of contact sulfuric acid. G. F. Luk'yanov. Prom. stroi, 44 no. 12, 22-26, '66.

Produce excellent designs for buildings of the large-scale chemical industry. P. Molodin. Na stol. Ros., 4 no. 7, 22-23, Ji '63.

Protect efficiently outdoor installations. V. Rygalov, V. Sokolov. Na stol. Ros., 5 no. 3, 14-15, Mr '64.

Speed-up chemical construction projects. S. Izaylov. Prom. stroi, 9 no. 1, 23-27, Ja '67.

Time is first in the norm requires. N. Shopenko. Na stol. Ros., 1 no. 3, 4-5, Mr '63.

We are investigating new possibilities. B. Karpov. Na stol. Ros., 5 no. 3, 21-22, Mr '64.

## CHEMICAL PLANTS—EQUIPMENT AND SUPPLIES see subdivision under Nevinnomyssk (Stavropol Territory)

## CHEMICAL PLANTS—MODELS

Tikhonuk, I. O., and G. N. Shlygin. [Mock-up method of designing, experience in planning enterprises for the oxygen industries] Model'no-maketylny metód orokhtovaniia, opyt proektirovaniia predpriiatiia kislorodnoi promyshlennosti. Moskva, Stroiizdat, 1966, 145 p.

## CHEMICAL PLANTS—SAFETY MEASURES

Industrial toxicology is the basis of labor hygiene and safety in chemical plants. B. B. Shugayev. Bezop. truda v prom., 11 no. 1, 18-51, Ja '67.

## CHEMICAL REACTION, RATE OF

Decomposition of tetrachlorosilane in adiabatic compression. F. B. Vuzzei, L. S. Polak, V. S. Shchepachev. Khim. i tekhn. 7 no. 6, 1068-1071, N-D '66.

Determination of rate constants at reactions of ferrocene and its derivatives with peroxide radicals. L. M. Postnikov, E. M. Tochun, V. A. Shchapinetskii. Dokl. AN SSSR, 172 no. 3, 651-654, Ja '67.

Kinetics of cyclohexane dehydrogenation in a gradientless system. Part 3. A. A. Andreev, D. M. Shopov, S. L. Kipel'man. Khim. i tekhn. 7 no. 10, 1092-1091, N-D '66.

Kinetics of oxidation of iodide by hydrogen peroxide in presence of titanium (IV). V. A. Litvinenko. Upr. khim. zhur., 32 no. 11, 1160-1167, '66.

Kinetics of the reaction of n-butyl lithium with n-butyl bromide in presence of electron-donor additions. A. I. Shatenshtein, E. A. Kovriznykh, V. M. Basmanova. Khim. i tekhn. 7 no. 6, 853-860, N-D '66.

Mechanism of reaction termination in atomic oxygen flame of methane. V. I. A. Basychev, S. M. Gogoiu. Khim. i tekhn. 7 no. 6, 1065-1068, N-D '66.

New gradientless reactor and batchmeter for studying kinetics of gas phase reactions. I. I. Ioffe, V. S. Fedorov, V. I. Salenko. Khim. i tekhn. 7 no. 6, 1069-1100, N-D '66.

Radial distribution of radicals in diffusion flame with the allowance for quadratic recombination. B. V. Pavlov, L. I. Rusin. Khim. i tekhn. 7 no. 6, 981-986, N-D '66.

Rate constants and mechanism of reactions of oxygen atoms with ethyl alcohol and propionaldehyde. L. I. Avramenko, R. V. Kolesnikova, G. I. Savinova. Izv. AN SSSR, Ser. Khim., no. 1, 22-26, Ja '67.

Role of collective donor-acceptor interactions in fast low-temperature molecular reactions. Reactions of olefin halogenation. V. A. Lishnevskii. Dokl. AN SSSR, 172 no. 3, 641-641, Ja '67.

## CHEMICAL REDUCTION see Reduction, Chemical

## CHEMICAL RESEARCH see subdivision under Ukraine

## CHEMICAL TESTS AND REAGENTS

Determination of impurities in pure chromium using group reagents. P. V. Marchenko. Ukr. khim. zhur., 32 no. 11, 1216-1219, '66.

Fraishat, D. M. [Preparation of chemical reagents] Proizvodstvo khimicheskikh reaktivov. Moskva, Vysshala shkola, 1966, 117 p.

Obtaining reactive magnesium chloride from technical magnesium. S. I. Iavorskii, M. D. Tarakhina, A. K. Shishova. Trudy GIFKH, no. 47-49-62, '62.

Obtaining reactive magnesium oxides from natural brines deacidified with the sulfite method. B. A. Sholikhel, E. M. Karsak, A. I. Panteleeva. Trudy GIFKH, no. 17, 35-18, '62.

## CHEMICAL WARFARE

Radiation and chemical reconnaissance. V. Nesterov. Voen. vest., 41 no. 6, 102-105, Je '61.

## CHEMICAL WARFARE—SAFETY MEASURES

Lesions and their prevention. R. Korotkova. Voen. znani, 43 no. 1, 29, Ja '67.

## CHEMICALS—PHYSIOLOGICAL EFFECT

Inactivation of tobacco mosaic virus by some chemical substances and the factors influencing its reversibility. A. D. Bobyr, P. F. Baranova. Mikrobiol. zhur., 24 no. 5, 58-62, '62.

## CHEMISTRY—DICTIONARIES

Arbaev, S. A., K. S. Salimkulov, and K. Sh. Shatmurov. [Russian-Kirgiz dictionary of chemical terms] Khimicheskii terminologicheskii orushcha-kirgizcha sozdudu. Rusko-kirgizskii slovar' khimicheskikh terminov. Frunze, Ilim, 1966, 317 p.

[Concise chemical encyclopedia] Kratkai khimicheskai ensiklopediia. Red. kollegiia I. L. Kaunants i dr. Moskva, Sovetskaiia Ensiklopediia. [Entsiklopedii, slovari, spravochniki] Vol. 5. T-A. 1167, 1184 columns.

## CHEMISTRY—HISTORY

Philosophical problems in the history of chemistry. M. I. Shakhparonov. Nauch. dokl. vuz. shkoly: filoz. nauki, 4 no. 1, 163-174, '61.

## CHEMISTRY—LABORATORY MANUALS

**Miasoedova, T. G.** [Laboratory work in technical analysis, a manual for teachers] Prakticheskie zadaniya po tekhnicheskoy analizu, osobno dlya uchiteley Moskva, Prosveshcheniye, 1965 104 p.

## CHEMISTRY—STUDY AND TEACHING

(see also subdivision under Great Britain)  
Interrelation of chemistry and physics with the fundamentals of metallurgy. E. I. Litvinov, Vych. sred. shk. 9 no. 5:55-59 9-O '66.  
Need for the interrelation of subjects. V. I. Ralbov, Vych. sred. shk. 9 no. 5:16-18 9-O '66.

## CHEMISTRY, ANALYTICAL

Determination of cadmium and lead in germanium dioxide by means of amalgam polarography with storage. V. I. Kamenov, I. N. Vinogradova, V. N. Piguovskaya, Vest. Mosk. univ. Ser. 2: khim. 21 no. 6:113-115 N-D '66.

Kovalenko, P. N., and K. N. Bagdasaryan. [Physicochemical methods of analysis, practical textbook] Fiziko-khimicheskie metody analiza, prakticheskoe rukovodstvo 2. izd., 1 ispr., 1 dop. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1966. 383 p.

## CHEMISTRY, ANALYTICAL—PROBLEMS, EXERCISES, ETC.

**Iaroslavtsev, A. A.** [Collection of problems and exercises in analytical chemistry] Sbornik zadach i uprazhnenii po analiticheskoi khimii. Izd. 2, ispr., 1 dop. Moskva, Vysshaya shkola, 1966. 293 p.

## CHEMISTRY, ANALYTICAL—QUALITATIVE

Phenylstibinic acid and its derivatives in analytical chemistry. S. H. Plitin, Farmats. zhur. 18 no. 3:38-43 '67.

## CHEMISTRY, FORENSIC

Forensic chemical detection of tubazid. IA 2. P'lasov Sud.-med. ekspert. 9 no. 1:43-45 O-D '66.  
Isolation and detection of butyphos in forensic chemical examinations. O. A. Alimkhanov, Sud.-med. ekspert. 9 no. 1:41-43 O-D '66.

Microcrystalloscopic reactions for thecodine. V. T. Pozharikova, N. V. Bukanova, Farmats. zhur. 18 no. 3:65-68 '67.

Simplified method of contact chromatography using test-paper for detection of metals in area of gunshot wounds. L. M. Pudin, Sud.-med. ekspert. 9 no. 4:40-49 O-D '66.

## CHEMISTRY, INORGANIC—CONGRESSES see subdivision under Ukraine

## CHEMISTRY, PHYSICAL AND THEORETICAL

**Petrov, G. L., and A. S. Tumaev.** [Theory of welding processes; with fundamentals of physical chemistry] Teoriya svarochnykh protsessov, s osnovami fizicheskoi khimii. Moskva, Vysshaya shkola, 1967. 507 p.

## CHEMISTRY, PHYSICAL ORGANIC—CONGRESSES

2d All-Union Conference on Physical Methods of Research. V. A. Afanas'ev. Izv. AN Kir. SSR no. 2:96 9-O '66.

## CHEMISTRY, TECHNICAL see subdivision under Uzbekistan

## CHEMISTRY, TECHNICAL—ABSTRACTS

Annotations. Gid. olt. i lesokhm. prom. 15 no. 5:32 My '62.

## CHEMOTHERAPY

Characteristics of the course of osteoarticular tuberculosis in children during antibacterial therapy. K. M. Maskeev. Sov. med. 29 no. 10:122-128 O '66.

Chemoprophylaxis of dysentery in elderly and senile persons. A. F. Podveskii, Sh. N. Eidel'shtein, E. I. Kupina, Antibiotiki 12 no. 1:80-83 Ja '67.

Methodology of prolonged intra-arterial chemotherapy in malignant neoplasms of the breast. S. A. Gasparian, B. G. Gol'dman, Khirurgia 42 no. 12:97-100 D '66.

Use of auto- and allografts of bone marrow in conjunction with increased doses of chemopreparations in the treatment of lymphogranulomatosis and tumorous reticulosis. G. E. Khutishvili, Probl. gemat. i perel. krovi 12 no. 1:37-40 Ja '67.

## CHERDYN' DISTRICT—ARAGONITE

Verkhneberezhovskaya karst cave with aragonite. I. N. Shestov, Peshchery no. 2:35-39 '62.

## CHERDYN' DISTRICT—CAVES

Verkhneberezhovskaya karst cave with aragonite. I. N. Shestov, Peshchery no. 2:35-39 '62.

## CHERDYN' DISTRICT—KARST

Karst arch in the Berezhovaya Valley in Cherdyn' District. I. N. Shestov, Peshchery no. 2:61-62 '62.

## CHEREMKHOVO BASIN—COAL MINES AND MINING—MANAGEMENT

First results of operations based on new planning system and economic incentives. M. I. Sheladov, Ugol' 42 no. 1:40-52 Ja '67.

## CHERPOVETS (VOLOGDA PROVINCE)—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

One hundred houses assembled by the brigade. Nikolai Koroteev. Na stroi. Ros. 4 no. 8:4 Ag '63.

## CHERPOVETS (VOLOGDA PROVINCE)—CONSTRUCTION INDUSTRY—QUALITY CONTROL

Construction of the Cherpovets City. N. Vlasov. Na stroi. Ros. 4 no. 9:15-16 5 '63.

## CHERKASSY PROVINCE—PHARMACISTS

First results of the certification of pharmacists in Cherkassy Province. A. T. Shlykov, V. I. Prokopskii, Farmats. zhur. 18 no. 3:78-81 '67.

## CHERKASSY PROVINCE—PRODUCE TRADE—MANAGEMENT

Planning for state deliveries of consumer cooperatives should be conducted on a scientific basis. F. Makarenko, Zakup. sel'khoz. prod. no. 8:37-38 Ag '66.

## CHERNOV, IURII

Plastic images of Iurii Chernov. I. Kuptsov. Iskusstvo 29 no. 12:21-26 '66.

## CHERNOVTSY—AERONAUTICS, COMMERCIAL—STUDY AND TEACHING

Technical training in a flight unit. A. Zamulin. Grazhd. av. 12 no. 10:15-17 O '55.

## CHERNOVTSY PROVINCE—MINERALS

Minerals of heavy fraction of quartz sands in Lower Tortonian sediments of Chernovtsy Province. V. N. Morozov. Min. sbor. 20 no. 1:77-84 '66.

## CHERNOVTSY PROVINCE—QUARTZ

Minerals of heavy fraction of quartz sands in Lower Tortonian sediments of Chernovtsy Province. V. N. Morozov. Min. sbor. 20 no. 1:77-84 '66.

## CHERNOZEM SOILS

(see also subdivision under Kalmyk A. S. S. R.)

Regularities in the distribution of organic remains in a profile of Chernozem soils of northern Kazakhstan. E. V. Kulakov. Pochvovedenie no. 3:12-20 Mi '60.

Results of the conference on the problem "Scientific bases of the efficient use of soils in the Chernozem zone of the U.S.S.R. and ways for increasing their fertility." P. G. Adetkhin. Pochvovedenie no. 1:23-124 Ja '67.

## CHERNYYE ZEMLI—WELLS

Means of obtaining underground water the Chernyye Zemli. I. S. Nikolovskiy, T. V. Zubareva. Gid. i mel. 11 no. 5:48-57 My '62.

## CHERRY—FROST RESISTANCE

Biology of the development and winter hardiness of sour cherry leaf buds. E. P. Shubanova, G. A. Davlatov. Vest. AN BSSR, Ser. sel'khoz. nay. no. 1:33-37 '66.

## CHERTOMLYK REGION (UKRAINE)—HORNBLENDE—ANALYSIS

Variations in composition of hornblende from metabasite formation of Chertomlyk-Solnaya region. V. I. Hoiko. Min. sbor. 20 no. 2:17-25B '66.

## CHESS

"The knight takes Elena-5." Aleksandr Kotov. Mol. komm. no. 1:122-127 '66.

Let's talk seriously about chess. P. A. Kizhizhanovskii. Sred. spets. obs. 13 no. 7:13-14 JI '66.

## CHEST—CANCER

Mediastinectomy in the diagnosis of diseases of the chest. A. S. Likhov, V. L. Polurakov. Vop. onk. 13 no. 1:14-18 '67.

## CHEST—RADIOGRAPHY

Thymus gland as a normal component of the median shadow on roentgenograms of younger and older children. IU. A. Popov. Vest. ient. i rad. 11 no. 6:78-81 N-D '66.

## CHEST—SURGERY

Disorders of external respiration and acid-base equilibrium before and following intrathoracic operations. E. Grants. Gud. khir. 9 no. 1:10-15 Ja-F '67.

Experience in the practice of using a metal clamp (pallat) in fixation of the mediastinum and chest. S. I. Baldin. Gud. khir. 9 no. 1:18 Ja-F '67.

## CHEST—WOUNDS AND INJURIES

Heart lesions in closed trauma of the chest. S. A. Burov and others. Sud.-med. ekspert. 9 no. 4:11-14 O-D '66.

Penetrating gunshot wounds of the chest in peacetime. N. I. Trifol'nikov. Gud. khir. 9 no. 1:16-17 Ja-F '67.

## CHETVERUKHIN, NIKOLAI FEDOROVICH, 1891-

The 75th birthday of a scholar. Sov. pedag. 31 no. 1:158 Ja '67.

## CHEVKINITE see subdivision under Siberia

## CHICK PEA

Effect of ripening degree and solvents on proteins of chick-pea. V. G. Klimenko, G. B. Leonov. Dokl. AN SSSR 172 no. 1:218-221 Ja '67.

## CHICK PEA—DISEASES AND PESTS see subdivision under Caucasus, Northern

## CHIGGERS (MITES) see subdivision under Moldavia

## CHILD STUDY

Elements of human diversity. S. Lashberg. Sem'ia i shkola 22 no. 1:11-15 Ja '67.

**Slavina, L. S.** [Children with affective behavior] Psich. i afektivnyy povedeniye Moskva, Prosveshcheniye, 1966 148 p.

Some aspects of interrelation between learning and intellectual development. G. S. Kostub, Psich. i afektiv. 31 no. 1:21-27 Ja '67.

## CHILDREN see subdivision under Hungary

## CHILDREN—ANECDOTES AND SAYINGS

The children are saying. Sem'ia i shkola 21 no. 7:52 JI '66.  
A few miles. Sem'ia i shkola 21 no. 7:52 JI '66.

## CHILDREN—CARE AND HYGIENE

**Buritsva, M. E.** [Health days in school] Dni zdorov'ia v shkole Moskva, Prosveshcheniye, 1965 42 p.

Effect of the Chukharyud climate on the organism of children. A. Kh. Salakhov. Sbor. trud. Az. i S. S. S. R. Inst. nat. kuz. i tr., metod. lech. no. 6:68-69 '62.  
[Materials on the physical development of children and adolescents of the cities and rural areas of the U.S.S.R.] Materialy po fizicheskoy razvitiu detei i podrostkov gorodov i sel'skikh mestnostei SSSR. Pod red. A. I. A. Gol'dfeld, A. M. Merkova, A. G. Tselilina. [Tselinograd] Meditsina. No. 2. 1965. 605 p.

## CHILDREN—GROWTH

Age-related and individual differences in the functional state of the brain in young children according to electroencephalographic data. N. S. Mirzazade. Zh. nev. i d. 12 no. 6:1012-1014 N-D '67.

## CHILDREN—LAW

The interests of the child. E. Malykh, E. Harkovskaya. Sem'ia i shkola 21 no. 7:19-21 JI '66.

## CHILDREN—MANAGEMENT

Consultation center of "Sem'ia i shkola." Sem'ia i shkola 21 no. 7:11-15 JI '67.

Consultation center of "Sem'ia i shkola." Sem'ia i shkola 22 no. 1:22-23 Ja '67.

From the experience of two schools. Nar. obs. i osv. 1:16 F '67.

In a family a little boy grows up. N. Gekova. Sem'ia i shkola 21 no. 7:10-11 JI '66.

Letters on various themes. Sem'ia i shkola 21 no. 7:14-16 JI '66.

Letters to the editor. Sem'ia i shkola 22 no. 1:15 Ja '67.

**Matveeva, L. G.** [Do we always understand them?] Vozrast i li my ih ponimam? Moskva, Znaniye, 1966 11 p.

(Narodnyi universitet. Pedagogicheskiy fakul'tet, no. 12)

A need for the beautiful. I. Iakobson. Sem'ia i shkola 21 no. 7:17-18 JI '66.

Our reader's comments. Sem'ia i shkola 21 no. 7:17 JI '66.

**Postupalskaya, M. I.** [Discovery of the world] Otkrytiya mira. Moskva, Znaniye, 1967. 78 p. (Narodnyi universitet. Pedagogicheskiy fakul'tet, no. 1)

Twenty minutes. A. P. Lopopova. Sem'ia i shkola 21 no. 1:10-11 Ja '67.

## CHILDREN—SURGERY

Problems of diagnosis and surgical treatment of congenital heart defects in young children. IA, V. Volkova, O. Pukhlov, I. B. elcis. Gud. khir. 9 no. 1:10-11 Ja-F '67.

Supramalleolar osteotomy in children and adolescents. S. D. Dzhokhov, IU. V. Kurochkin. Ost. i travmat. protez. 27 no. 12:41-48 D '66.

Surgical treatment of constipation of the rectum in childhood. V. I. Frantsev and others. Gud. khir. 9 no. 1:7-9 Ja-F '67.

## CHILDREN AS ARTISTS

The world through the eyes of children. I. Uvarova. Iskusstvo 29 no. 12:47-51 '66.

## CHILDREN IN AGRICULTURE

(see also subdivision under Latvia)

Experience in the cultivation of castor-oil plants. V. I. Gromyko. Shkola i prozv. 10 no. 10:36 O '66.

Experience in the organization of the agricultural work of students. A. G. Gushchenko. Shkola i prozv. 10 no. 10:36-38 O '66.

Inculcate the habit of work. V. A. Shchodolevskiy. Shkola i prozv. 10 no. 10:36-37 O '66.

Practical work in the sowing of winter grain crops. V. I. Kutshevskii. Shkola i prozv. 10 no. 10:31-33 O '66.

## CHILDREN SEPARATED FROM THEIR FATHERS see Father-separated children

## CHILDREN'S ALMANACS see Almanacs, Children's

## CHILDREN'S FURNITURE—DESIGN AND CONSTRUCTION

New furniture for children's institutions. M. V. Zaitsev. Stroi i arkh. Len. 28 no. 7:20-31 JI '66.

When research is creatively carried on. D. G. Gashchuk. Stroi i arkh. Len. 28 no. 7:31 JI '66.

**CHILDREN'S ILLUSTRATED BOOKS** see Illustrated books, Children's

**CHILDREN'S LIBRARIES** see Libraries, Children's

## CHILDREN'S LITERATURE

A friend of children and youth, contemporary publishing of children's books in the U.S.S.R. K. P. Priskunov. Knizhnost' i deti 4 65-100 '61

## CHILDREN'S LITERATURE—HISTORY AND CRITICISM

Life, school, and book. V. Musatov. Mol. kom. n. 7 110-123 Ja '61.

[Sticky word; articles on literature for children and young people] Sudakotinis vards, raksti par bērnu un jauniešu literatūru. Rīga, Liesma, 1968 210 p. [in Latvian]

## CHILDREN'S PLAYS

[about theater; plays, scenes, and faces for school amateur theatricals] V. Mashev (theatre, play, scene), shukli (the school's model of the most) Moskva, Det'skaya lit-ra, 1968 175 p.

## CHILDREN'S POETRY

Verse published in "Muryll's." Vladimir Idrish. Oktabr' 13 no. 197-199 D '66

## CHILDREN'S STORIES

The older and the younger ones. L. Brumova, N. L'vokova. Nar. khaz. 19 no. 11-16 Ja '67

## CHILE—POLITICS AND GOVERNMENT

Veto of the Chilean Senate. N. Chigir' Nov. vrem. 25 no. 5, 20-21 Ja '67

## CHIMERA (BOTANY)

Inter-genetic chimerae and their significance for breeding. N. I. Malinadez. Genetika no. 11 69-82 '66.

## CHIMKENT—AUTOMOBILE INDUSTRY—PRODUCTION STANDARDS

Workers' review norms. I. A. Kostukov. Nar. khaz. 21 no. 11-16-17 N '66.

## CHIMKENT—CLOTHING INDUSTRY—PRODUCTION STANDARDS

Norms and production quality. N. Karloshcheva. Nar. khaz. Karakh. 21 no. 11-16-17 N '66

## CHIMKENT—CONSTRUCTION INDUSTRY—FINANCE

Business accounting in operation. G. Balaban. Nar. khaz. Karakh. 21 no. 11-16-17 N '66

## CHIMKENT—CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

Use potentialities more fully. V. Shekerbekov. Nar. khaz. Karakh. 24 no. 11-33-34 N '66

## CHIMKENT—FOOD INDUSTRY—MANAGEMENT

In action of the new. A. Zigel'baum, G. Belakovich. Sov. toig. 40 no. 12 21-26 D '66

## CHIMKENT—HOSIERY INDUSTRY—PRODUCTION STANDARDS

New equipment and norms. V. Volkovinskaya. Nar. khaz. Karakh. 24 no. 11-33-35 N '66.

## CHIMKENT—MACHINERY INDUSTRY—PRODUCTION STANDARDS

Establishing work norms in a workshop. V. F. Ustova. Nar. khaz. Karakh. 24 no. 11-10-11 N '66.

## CHIMKENT—POWER PRESSES

Work is organized in the new way. A. Amshannikov. Nar. khaz. Karakh. 24 no. 11-35-36 N '66

## CHIMKENT—PRODUCTION STANDARDS—CONGRESSES

This is our common, important business. M. Chernalev. Nar. khaz. Karakh. 24 no. 11-27-29 N '66.

## CHIMKENT—TEXTILE INDUSTRY—PRODUCTION STANDARDS

Every efficiency expert should have the knowledge of economics. V. Khuchimkov. Nar. khaz. Karakh. 24 no. 11 37-38 N '66.

## CHIMKENT—WAGES

Guard the wage fund. M. Lulovenko. Nar. khaz. Karakh. 21 no. 11-36-37 N '66.

## CHIMKENT—ZINC INDUSTRY—PRODUCTION STANDARDS

Establishing norms and plans for scientific labor organization. R. Khodnberginov. Nar. khaz. Karakh. 24 no. 11-38-40 N '66.

## CHIMPANZEEES

Physiological analysis of voluntary behavior of anthropoid monkeys (chimpanzees). A. I. Shashnyi. Dokl. AN SSSR 171 no. 6:1454-1457 D '66.

## CHINA—ECONOMIC CONDITIONS

People's China goes from victory to victory. I. Mangulova. Nar. khaz. Urb. 3 no. 2:82-86 F '61.

## CHINA—FOREIGN RELATIONS

Foreign policy of the Chinese People's Republic; plans and reality. L. Sergeev. Agitator 34 no. 3:53-55 F '67.

## CHINA—FOREIGN RELATIONS—RUSSIA

Anti-Soviet policy of Mao Tse-tung and his group. Nov. vrem. 25 no. 6 36-40 F '67  
Our comments. Nov. vrem. 25 no. 7 1-3 F '67  
The tragedy of China. A. Ter-Ghigorian. Nov. vrem. 29 no. 10 9-12 M '67.

## CHINA—HISTORY

"Character of the uprising at the end of the Yuan period and the role of Chinese landowners in this uprising" by Kuan Wen-fa. Abstract from "Wu hang ta hsieh yen wan k'ia hshieh hshieh piao" no. 8 1959 by S. I. Zaslavskaya. Sov. kit. lit. po obshchestv. naukam no. 12 16-52 '61

"Character of the wars between the Ch'iang people and the western Han Empire" by Chen K'ao-wei. Abstract from "Li shih chiao shieh" no. 7 1960 by V. I. Kudin. Sov. kit. lit. po obshchestv. naukam no. 12-79-83 '61

"Formation of Sun Yat-sen's revolutionary views and the foundation of the Society for the Renaissance of China" by Chin Chung-chi, Hung Sheng-yu. Abstract from "Li shih ven chiu" no. 5 1960 by R. N. Sikacheva. Sov. kit. lit. po obshchestv. naukam no. 12 25-26 '61

[Manchu rule in China] Manchzhun skoe vladchestvo v Kitae. Moskva, Nauka, 1968 385 p.

## CHINA—PEASANT UPRISINGS

"The role of revolutionary ideas in the peasant wars in China and their connection with religion" by Yang Kuang. Abstract from "Hsueh shu yieh k'ai" no. 7 1960 by V. I. Kudin. Sov. kit. lit. po obshchestv. naukam no. 42 80-96 '61.

## CHINA—POLITICS AND GOVERNMENT

Anti-Soviet policy of Mao Tse-tung and his group. Nov. vrem. 25 no. 9 36-40 F '67

The tragedy of China. A. Ter-Ghigorian. Nov. vrem. 25 no. 10 9-12 M '67

Why Mao Tse-tung has to "feel" power. L. Seigeev. Agitator 34 no. 1 56-52 F '67

## CHINA—SOCIETY, PRIMITIVE

"Some peculiarities features of the history of the late period of primitive society in China" by Tung Chu-ch'en. Abstract from "K'ao ku" no. 5 1960 by V. A. Rubin. Sov. kit. lit. po obshchestv. naukam no. 42 84-89 '61

## CHINA—WOOL—GRADING

Evaluation of raw, medium-coarse and coarse wool imported from China in 1962 and 1963. V. I. Khrushina, S. I. Perkhova. Nauch. 1961. trudy T'shil'skoi sh. no. 20 21-35 '65.

## CHINESE LITERATURE—HISTORY AND CRITICISM

"History of modern Chinese literature" Abstract from "Wen hshieh ping lun" no. 6 1959 by T. N. Kholmovskaya. Sov. kit. lit. po obshchestv. naukam no. 42-107-111 '61

"Periodization of the history of Chinese literature" by Tsao Tao-hung. Abstract from "Wen hshieh ping lun" no. 1 1960 by T. N. Kholmovskaya. Sov. kit. lit. po obshchestv. naukam no. 42-97-106 '61.

## CHITA—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Construction of apartment houses in Chita from reinforced precast concrete. S. Masluk. Na stol. Rev. 4 no. 8:26-27 S '63

## CHITA—CONSTRUCTION INDUSTRY

Shift quota performed in four and a half hours. Petr Zimin. Na stol. Ros. 1 no. 6 8 Ag '63.

## CHITA PROVINCE—ACCOUNTING

Methodological Council on the simplification of accounting. C. Korzakov. Budzh. uch. no. 12:32-36 D '66.

## CHIKALOV see Orenburg

## CHIKALOV PROVINCE see Orenburg Province

## CHLORAL

Reaction of chloral with some organophosphorus compounds. L. A. Antokhina, P. I. Alimov. Izv. AN SSSR, Ser. khim. no. 12:2135-2139 '66.

## CHLORAMINES

Effect of chloramine-B on ectoparasites of fish in aquariums. G. D. Goncharov. Trudy Inst. biol. vnutr. vod. no. 10:338-340 '62.

## CHLORANIL

Interaction of tetrachloroquinone with unsaturated rubbers. P. A. Vinogradov, K. E. Gavrilinova, N. G. Arsen'eva. Kauch. i rez. 25 no. 12:23-24 '66.

## CHLORIDES

Heats of formation of some coordination compounds formed in the systems  $TiCl_3 - NaCl$  and  $TiCl_3 - NaCl - B$ . N. Podzorov, I. V. Vasil'kova, R. A. Gandler. Zhur. neorg. khim. 12 no. 1 34-37 Ja '67.

Magnetochemical study of solid chlorine complexes of manganese, iron, cobalt, nickel, and copper. G. M. Barvinok, V. Vintruff. Vest. LGU 21 no. 22:111-114 '66.

Reaction of iron (II) chloride with chlorides of aluminum, niobium, tantalum, and iron (III). B. G. Korsunov, G. A. Lovetskaya, A. A. Palant. Zhur. neorg. khim. 12 no. 1:203-209 Ja '67.

## CHLORIDES IN THE BODY

Chloride and calcium changes in blood in patients operated under intravenous thioamyl-alcohol narcosis. M. I. Hofn. Vestn. AN BSSR, Ser. biol. nauch. no. 3 87-90 '66

Effect of Chukhurd hydrogen sulfide baths on chloride metabolism and the hydrophilic, or isonic, in infectious polyarthritides of obscure etiology. E. M. Kramil'. St. iz. stud. Arzch. nauch. 1961 inst. kn. fiz. metod. lech. no. 6 178-184 '62

## CHLORINATION

Comparative study of photochemical chlorination of ethylchloroformate and ethylchlorosulfate. M. A. Kadina, G. Ia. Zueva, A. G. Kuchina. Izv. AN SSSR, Ser. khim. no. 12 2215-2216 '66

Mechanism of chlorination of titanium dioxide with chlorine in the presence of carbon. G. V. Seleznev and others. Zhur. neorg. khim. 12 no. 1 8-11 Ja '67

Photochlorination of natural and petroleum refinery gases and transformations of chloro derivatives. Sh. B. Aliyev, V. L. Buntitskaya, I. I. Manasova. Stur. trud. A. V. NP no. 3 319-318 '58

## CHLORINE

(see also subdivision under Lovozero Tundra)

Methods for determining small quantities of chlorine in water. A. V. Stepanov, P. A. Gidman, T. V. Iofa. Inform. sbor. T'shil'sk. no. 166 '66 '66' ekapi. mor. flota no. 46 85-91 '66.

## CHLORINE—EFFECT ON PLANTS see Plants, Effect of chlorine on

## CHLORINE COMPOUNDS—SPECTRA

Effect of chemical bonding on the  $\lambda_{\text{max}}$  band of chlorine. V. F. Demekhin, M. A. Blokhin. Izv. vys. ucheb. zav. fiz. 9 no. 6:154-155 '66

## CHLORINE ORGANIC COMPOUNDS see Organochlorine compounds

## CHLOROMETHYLATION

Chloromethylation of 1-p-tolylaminonanthraquinone and 1,1-di-p-tolylaminonanthraquinone. V. F. Borodkin, R. A. Petrova, T. N. Nasonova. Izv. vys. ucheb. zav. khim. i fiz. 9 no. 5:811-818 '66.

## CHLOROPHOS

Changes in the resistances of *Pieris brassicae* L. and *Manestra brassicae* L. to chlorophos following pre-sowing mineral fertilization of cabbage. V. F. Samersov. Vestn. AN BSSR. Ser. biol. nauch. no. 3:119-122 '66

## CHLOROPHYLL

Chlorophyll metabolism in tobacco leaves as related to their arrangement levels. N. E. Zekarian. Biol. zhur. Arm. 19 no. 12:70-76 D '66

Comparison of photooxidation of bacterioviridin and bacteriochlorophyll in the reaction of photoproducts with reducing agents. A. A. Krasovskii, E. V. Farkhan, I. M. Sapozhnikova. Dokl. AN SSSR 172 no. 3:727-730 Ja '67.

Formation of free radical states following visible light effect on systems containing chlorophyll. G. T. Rikhteva and others. Biofizika 11 no. 5:766-801 '66

Role of phytohormone in chlorophyll metabolism of green plants. A. A. Shlyt and others. Dokl. AN SSSR 171 no. 6:1443-1446 D '66.

## CHLORPROMAZINE

Effect of aminazine and setpasi on the vegetative nervous system in schizophrenics. R. F. Kokanbaeva. Trudy Gos. nauch. -issl. inst. psikh. 26:137-146 '61.

Effect of aminazine on vascular reactions in schizophrenia. L. T. Viktorov. Trudy GIDU no. 4 227-233 '62.

Effect of aminazine on vascular unconditioned and conditioned reflexes in dogs. A. T. Pashonk, A. A. Gribanov. Zhur. vys. nerv. delat. 12 no. 6:1049-1054 N-D '62

Some data for the comparative evaluation of the results of treating schizophrenia with insulin and aminazine. Trudy Gos. nauch. -issl. inst. psikh. 26:83-86 '61.

Treatment of psychoses with aminazine. E. Ia. Shumilova. Trudy Gos. nauch. -issl. inst. psikh. 26 87-90 '61.

## CHLORPROMAZINE—PHYSIOLOGICAL EFFECT

Role of the reticular formation and anterior areas of the limbic cortex in the electrocorticographic picture of chemical changes in the internal environment. M. R. Vasilevskaya. Fiziol. zhur. 49 no. 3 293-298 M. '63.

## CHLORTETRACYCLINE

Fuel, water, and air consumption for the production of fodder biomycin. V. M. Semernia, N. F. Dikht. Spet. prom. 26 no. 3:40-42 '62

## CHOLESTEROL

Cholesterol and atherosclerosis. A. L. Milasnikov. Kardiologiya 3 no. 1:3-7 Jan. -F '63.

Cholesterol content in butter. S. Rotenberg. Vop. pit. 25 no. 6:78 N-D '66

Effect of prolonged consumption of butter and corn oil on total cholesterol content in rat blood serum. A. A. Velichko. Vop. pit. 25 no. 6:76-77 N-D '66.





## CHUKHURYURD (AZERBAIJAN)—BATHS, MEDICATED (Continued)

Indications and contraindications for treatment with climatic and balneological factors at the Chukhuryurd Health Resort. Sh. M. Gasanov, L. R. Guseinova, R. I. Guseinova. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 191-194 '62

State of the vegetative nervous system in infectious polyarthritis under the influence of Chukhuryurd sulfur baths. I. R. Kozmina. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 185-190 '62

Treatment of chronic infectious polyarthritis with Chukhuryurd hydrogen sulfide baths. E. M. Khamit. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 172-177 '62

## CHUKHURYURD (AZERBAIJAN)—CLIMATE

Brief analysis of some climatic elements of Chukhuryurd. Sh. M. Gasanov, Ch. Kh. Agayeva. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 93-96 '62

## CHUKHURYURD (AZERBAIJAN)—CLIMATOLOGY, MEDICAL

Brief results of a study of the effect of the Chukhuryurd climate on the cardiovascular system. Sh. M. Gasanov and others. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 63-65 '62

Clinical characteristics of functional disorders of the nervous system in relation to climatothrapy at Chukhuryurd. A. I. Gashimova. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 90-92 '62

Effect of the Chukhuryurd climate on the morphology of blood. A. I. Dulatova. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 21-31 '62

Effect of the Chukhuryurd climate on the organism of children. A. Kh. Salakhov. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 66-69 '62

Effect of the Chukhuryurd mountain climate on the functional state of the lungs. Sh. M. Gasanov. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 71-76 '62

Effect of the climate of Chukhuryurd on pain, tactile and temperature reception. A. I. Gashimova and others. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 79-89 '62

Effect of the climate of the Chukhuryurd Health Resort on hypertension. S. A. Ali-zade. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 70-72 '62

Effect of the climatic factors and hydrogen sulfide baths of Chukhuryurd on glutathione in human blood. Sh. M. Gasanov, A. Z. Nakhiev, I. L. Kavelev. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 112-121 '62

Effect of the climatic factors of Chukhuryurd on some aspects of carbohydrate metabolism in practically healthy people. R. A. Bagirova. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 51-62 '62

Effect of the climatic factors of Chukhuryurd on the nitrogen metabolism of practically healthy people. Report No. 1. Observation data of 1955-57. S. G. Ageeva. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 41-47 '62

Effect of the climatic factors of Chukhuryurd on the nitrogen metabolism of practically healthy people. Report No. 2. Observation data of 1958. S. G. Ageeva. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 48-50 '62

Indications and contraindications for treatment with climatic and balneological factors at the Chukhuryurd Health Resort. Sh. M. Gasanov, L. R. Guseinova, R. I. Guseinova. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 191-194 '62

## CHUKHURYURD (AZERBAIJAN)—HEALTH RESORTS, WATERING PLACES, ETC.

Analysis of research on the climatobalneological resources of Chukhuryurd. Sh. M. Gasanov. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 5-21 '62

Results of the scientific session at the Chukhuryurd Health Resort. A. G. Guseinov. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 214-216 '62

## CHUKHURYURD (AZERBAIJAN)—MINERAL WATERS

Results of the work of the Chukhuryurd Hydrogeological Detachment of the Azerbaijan Geological Administration, 1957-1959. I. S. Mahammadbekov, S. S. Mirzolan, I. N. Klymina. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 97-102 '62

## CHUKHURYURD (AZERBAIJAN)—MINERAL WATERS, SULFUR

Effect of Chukhuryurd hydrogen sulfide water on carbohydrate metabolism in chronic polyarthritis of varied etiology. R. A. Bagirova. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 139-155 '62

Effect of Chukhuryurd hydrogen sulfide water on the course of nitrogen metabolism in polyarthritis of varied etiology. Report No. 1. Observation data of 1955-57. S. G. Ageeva. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 122-133 '62

Effect of Chukhuryurd hydrogen sulfide water on the course of nitrogen metabolism in polyarthritis of varied etiology. Report No. 2. Observation data of 1958. S. G. Ageeva. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 134-138 '62

Regime of Chukhuryurd hydrogen sulfide mineral waters. A. M. Babayev. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 103-105 '62

## CHUKHURYURD REGION (AZERBAIJAN)—CLIMATOLOGY, MEDICAL

Effect of climate in the Chukhuryurd and Dzhangli Health Resorts on the catalase and peroxidase activity of the blood. Sh. M. Gasanov, A. Z. Babayev, I. L. Kravets. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 32-40 '62

## CHUKHURYURD REGION (AZERBAIJAN)—TOURISM

Importance of sports and the role of Chukhuryurd and adjacent regions in organizing tourist trips. Sh. M. Gasanov. Shor. tr. Azerb. nauch. -issl. inst. kur. i fiz. metod. lech. no. 6 195-200 '62

## CHUNSKIY DISTRICT—LUMBERING—LABOR PRODUCTIVITY

What highly organized production yields? V. Popov. Agitator no. 17 28-31 S '62

## CHURCH AND LABOR

The apologetics of capitalism under the banner of a clerical reform movement. I. Kichanova. Komm. Ukr. 36 no. 9:49-57 S '60

## CHURCH CALENDAR

[Old Believers' Church Calendar for 1963, dedicated to the 200th anniversary of the foundations of Leksa Community.] Shtabrodatcheskii (Tsekovyi) kalendariy na 1963 god, posvyashchenniy 200-letiyu osnovaniya Lekskogo obshchestva, Vilnius, Vysshii Shtabrodatcheskii Sovet v Litovskoi SSR [1963] 151 p.

## CHURCH HISTORY

Posuov, M. E. [History of the Christian church; to the separation of churches in 1054.] Istorika khristianskoi tserkvi: do razdeleniya tserkvei 1054 g. Brussels, Izd-vo "Zhizn" s Bogom, 1961. 614 p. (FTASU)

## CHURCH HISTORY—PRIMITIVE AND EARLY CHURCH

End of age of the Apostles. K. V. Somov. Brat. vest. no. 4 57-63 '60

## CHUVASHIA—COLLECTIVE FARMS

Andreev, M. A. [Organization of labor on the collective farms of Chuvashia.] Organizatsiya truda v kolhozakh Chuvashii. Cheboksary, Chuvashskoe knizhnoe izd-vo, 1965. 110 p. (INU)

## CHYMOTRYPSINOGEN

Purification of chymotrypsinogen by fractionated salting-out with the use of rheologic control. N. Fashovskaya, N. Chamin. Misa. ind. SSSR 58 no. 1:31-36 Ja '67

## CIMMERIAN BOSPORUS (KINGDOM)

Incorporation of Pontus sinicus into the Bosphorus Kingdom. V. A. Ustinova. Vest. chuv. ist. no. 4:126-136 '66

## CIMMERIAN BOSPORUS (KINGDOM)—INSCRIPTIONS

A few words apropos of the "Corpus of the Cimmerian Bosphorus" inscription. A. I. Holunova. Vest. chuv. ist. no. 4:230-232 '66

## CIRCULAR SAWS

Technology of the manufacture of saws for rolling mills. B. Ia. Borisov, G. D. Eshechenko. Tekh. mashinost. no. 1 6-15 '66

## CIRQUES (GEOLOGY) see subdivision under Kuchina Valley

## CITIES AND TOWNS

(see also subdivision under Azerbaijan)

Belov, I. L. [Raised from the ruins; historical essays on the restoration and development of the oldest cities of Russia, 1943-1963.] Podniatie iz ruin; istoricheskie ocherki vosstanovleniya i razvitiya starykh gorodov Rossi, 1943-1963 gg. Moskva, Stroizdat, 1965. 240 p.

[Geography of the population and populated places of the U.S.S.R.] Geografika naseleniya i naselennykh punktov SSSR. Leningrad, Nauka, 1967. 291 p.

Mayer, Harold Melvin, and Clyde F. Kohn, eds. [Readings in urban geography. Abridged translation from the English.] Geografika gorodov; sbornik statei. Vyednaia slat'ia i red. V. V. Pokititskogo. Moskva, Progress, 1965. 440 p. (OrCS)

Municipal-type villages and other populated places as a component supplementing the city network. B. S. Khovet. Izv. Vses. gos. obsh. nauch. no. 6 491-499 11-6 '66

## CITIES AND TOWNS—CIVIC IMPROVEMENT

Borisovskii, G. B. [Man as the measure of things]

Chelovek - mera veshelei. Moskva, Iskustvo, 1966. 110 p.

## CITRIC ACID

Hygroscopicity and drying of citric acid. L. O. Ostipov and others. Trudy VKNII no. 17 161-166 '66

Purification of technical citric acid solutions on a two-layer cation exchanger. R. Kuzmins, I. Ramina. Trud. VNI no. 17 159-161 '66

Utilization of by-products of citric acid production. I. Kravtchenko and others. Prom. Akm. 4 no. 11 45-47 '66

## CITRUS FRUITS—FERTILIZERS AND MANURES see subdivision under Georgia

## CITRUS FRUITS—GENETIC RESEARCH

Variation in citrus plants induced by chemical mutagens. I. G. Keakadze. Genetika no. 12 52-58 '66

## CITY PLANNING

(see also subdivision under Donetsk, Leningrad; Lissiansk, Ukraine; Lugansk Province; Moscow, Moscow Province; Scandinavia; Slavopolskiy, Kuybyshev Province, Tashkent; Ul'yanovsk)

Economic consequences of the modern development of capitalist cities. O. Pechelintsev. Vop. ekon. no. 1:91-99 Ja '67

Land valuation in city planning. M. Vitt. Plan. kho. no. 2 56-59 F '67

New method of designing and using isochronic maps to solve problems of population distribution in city planning. M. O. Khauke. Izv. ASIA no. 3 20-30 '61

The practice of experimental planning of cities varying in size. N. Ia. Kolia, V. N. Samoilov, I. P. Bocharov. Izv. ASIA no. 3 31-39 '61

Principles of planning recreation areas near cities for brief periods of rest. I. M. Smolov. Izv. ASIA no. 3 65-75 '61

## CITY TRAFFIC see subdivision under Moscow

## CIUCURENCU, ALEXANDRU, 1902-

Alexandru Ciucurencu. I. Melikson. Iskustvo 29 no. 12 77-82 '66

## CIVIL DEFENSE

In a unified defense system. L. Vanogradov. Voen. znan. 43 no. 1:16-17 Ja '67

In the anniversary year. V. I. Chulkov. Voen. znan. 43 no. 1 2-3 Ja '67

Ilyasov, V. A. [Self-help and mutual aid in face of mass lesions.] Samopomoshch' i vzaimopomoshch' v ocasekh masovogo porazheniya. Moskva, Meditsina, 1964. 44 p. (DNLM)

This is the way it was... N. Bogdanov. Voen. znan. 43 no. 1 24 Ja '67

We inform our readers on the defense of the civilian population. A. Konakh, V. Kalina. Bibliotekar' 44 no. 2 21-22 F '67

## CIVIL LAW

Bratus', S. N. [Civil laws of the Soviet Union and the Republics; for universities of Marxism-Leninism.] Grazhdanskoe zakonodatel'stvo SSSR i sovetnykh respublik dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966. 62 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

Gordon, M. V. [Soviet civil law.] Radiatsiye teyvil'no pravo. Kharkiv, Vyd-vo Kharkivskogo univ. Pt. 2. Vyd. 2. 1966. 314 p.

Interests in civil law. V. P. Gribanov. Sov. gos. i pravo no. 1:49-56 Ja '67

Rostovskii gosudarstvennyi universitet. [Soviet civil law; lectures for correspondence students.] Sovetskoe grazhdanskoe pravo, lektsii dlia studentov-zaochnikov, Rostov-na-Donu, 1963. 1 v. (CS-II)

## CIVIL RIGHTS

Lepeshkin, A. I. [Civil rights of Soviet peoples of Marxism-Leninism.] Prava sovetikh grazhdan, dlia universitetov nizm. Moskva, Mysl', 1966. 54 p. go gosudarstvennogo stroitel'stva i prava

## CIVIL RIGHTS—INTERNATIONAL LAW

New human rights charters. I. Iakovlo. Nov. vrem. 25 no. 9:9-10 F '67

## CLASS SIZE see subdivision under Mu

## CLASSICAL PHILOLOGY—CONGRESSES

The Second All-Union Conference of C. I. V. Shtal'. Nauch. dokl. vys. shkoly, no. 1:221-223 '62



## COAL MINES AND MINING

(see also subdivision under Aidan Plateau; Angren region, Uzbekistan; Bukhara region, Chita Province, Donets Basin; Lvov-Volyn' Basin; Moscow Basin)

Book about mining systems at great depth. V V Nidun Ugol' Ukr. 7 no. 145-16 Mi '63

Classification of systems of mining coal beds by the underground method. V V Bratko Ugol' Ukr. 6 no. 12-11-13 D '63

Coal mine of the future. A. P. Suboplatov and others, Ugol' 42 no. 11-17-11 '63

Coal mines of bookshelf. A K Borisov Ugol' Ukr. 7 no. 3-16-17 Mi '63

Concerning the book "Underground mining of coal beds," S. M. Garkavi, Ugol' Ukr. 7 no. 1-16 Mi '63

Data certificate for boring and blasting operations in coal mines. M. A. Marochanov, V. N. Dnyak Ugol' 37 no. 12-19-20 D '63

Data of blasting operations in haulage with electric locomotives in coal mines. I. D. Averbukh, Izv. vyz. uchob. zav., gor. zhur. 10 no. 1-105-110 '67

Efficient height of the level in mining double long walls to the face. N. P. Tkachenko Ugol' Ukr. 7 no. 1-10-13 Mi '63

Forms of labor organization at brigades and payment for final production in mine stopes. M. M. Rubin kn Ugol' Ukr. 7 no. 1-38-10 Mi '63

Maintenance of development workings depending on the method of their protection and depth. I. A. Funt Ugol' Ukr. 7 no. 1-13-11 Mi '63

Natural lighting of conveyor galleries in coal enterprises. A. A. Dabiblan, Prom. stroit. inzh. soob. 8 no. 6:5-6 N-D '66

Remote control in a mine. D. A. Dzonia, V. A. Kharutia, V. D. Mukhin, Ugol' Ukr. 6 no. 1-19-13 '62

Review of the book by A. P. Suboplatov and others "Mining coal deposits with short stops." A. I. Petrosian and others Ugol' 37 no. 12-13 D '62

Scientific conference on the expansion of hydraulic coal mining. M. M. Filizov, P. I. Finer Ugol' Ukr. 7 no. 1-18 Mi '63

Short pillar system of mining along the strike used in hydraulic coal mining. I. A. Galkin and others Ugol' Ukr. 8 no. 1-9-10 Mi '64

Some results of research carried out by the All-Union Central Design and Planning Institute for Mine Construction in the Coal Industry in light of the decisions of the 22nd Congress of the CPSU, U. K. Kuznetsov Ugol' 37 no. 12-7-10 D '63

Studying the process of methane diffusion in mines. R. N. Isayev, Izv. vyz. uchob. zav., gor. zhur. 8 no. 10:63-69 '65

Using the multiple correlation method for evaluating the efficiency of the intensification and concentration of mining operations. V. D. Sivst Ugol' 37 no. 12-13-43 D '62

COAL MINES AND MINING—ACCIDENTS see subdivision under Kizil Basin

COAL MINES AND MINING—BIBLIOGRAPHY see Bibliography—Coal mines and mining

## COAL MINES AND MINING—CONGRESSES

Brief news, Ugol' Ukr. 6 no. 1-16-48 D '62

In the Supreme Council of the Ukrainian S.S.R. Ugol' 37 no. 12:54 D '62

## COAL MINES AND MINING—COSTS

(see also subdivision under Donets Basin; Lvov-Volyn' Basin; Moscow Basin)

Determination of loads in stopes depending upon flow sheets of the operation and performance of coal cutter-loaders. S. M. Arutunian, M. D. Raitayn, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 366-382 '65

Economic efficiency of coal mining machinery. A. S. Astakhov, Ugol' 37 no. 12-18-53 D '62

COAL MINES AND MINING—EQUIPMENT AND SUPPLIES (see also subdivision under Donets Basin; Kuznetsk Basin)

Establishing standards for working capital in coal mining enterprises with use of mathematical statistical methods. A. P. Gikhal, Izv. vyz. uchob. zav., gor. zhur. 8 no. 9-45-60 '65

## COAL MINES AND MINING—EXPLOSIVES

(see also subdivision under Donets Basin; Europe)

Possible ways of preventing burning-out of explosives during blasting operations in coal mines. K. K. Andreov, V. G. Kholin, Vryv. delo no. 60/17:20-28 '66

## COAL MINES AND MINING—FINANCE

Important potentials for improving mining operations and increasing the efficiency of capital investments in coal industry. G. P. Egunov, Izv. vyz. uchob. zav., gor. zhur. 8 no. 10:52-57 '65

Shortcomings in lower echelon planning. M. A. Shvarts, Ugol' 37 no. 12-45-47 D '62

Sholkov, Sh. B., [Financing and extending credit in the coal industry] Finansirovanie i kreditovanie v ugol'noi promyshlennosti. [2., per. i dop. izd.] Moskva, Nedra, 1965, 132 p. (Int.)

## COAL MINES AND MINING—FIRES AND FIRE PREVENTION

(see also subdivision under Chelyabinsk Basin, Kuznetsk Basin, Moscow Basin)

Mechanism of reversing ventilating currents during underground fires. V. M. Subbotnikov, Dop. AN URSS no. 7-17-220 '62

Results of suppressing spontaneous heating of a fractured coal pillar with the help of a lime solution. I. U. M. Kozlov, I. S. Alibeev, A. V. Sukov, Ugol' 37 no. 12-35-36 D '62

## COAL MINES AND MINING—HYDRAULIC FRACTURING

Breakage of coal ledges by pressure. G. I. Zhabin, B. I. A. Ledovskii, Izv. vyz. uchob. zav., gor. zhur. 8 no. 10, 3-8 '65

## COAL MINES AND MINING—LABOR PRODUCTIVITY

(see also subdivision under Donets Basin, Lvov-Volyn' Basin, Ukraine)

Entering the year of the 50th anniversary. B. P. Bratko Ugol' 37 no. 1-3-7 Ja '67

Important potentials for improving mining operations and increasing the efficiency of capital investments in coal industry. G. P. Egunov, Izv. vyz. uchob. zav., gor. zhur. 8 no. 10:52-57 '65

Record speed for the mining of an inclined crosscut. K. F. Loshit, A. T. Shepelev, V. I. Kuz'minski Ugol' Ukr. 6 no. 12-26 D '62

Work practices in mining a drift at the rate of 558 meters in one month. A. Kustarev, Ugol' 37 no. 12-3-7 D '62

## COAL MINES AND MINING—MANAGEMENT

(see also subdivision under Cherekhovo Basin; Donets Basin, Moscow Basin; Rostov Province)

Determining the output of mine sections and the amount of total machine loading capacity in mines. D. M. Bolenski, Izv. vyz. uchob. zav., gor. zhur. 10 no. 1-11-20 '67

COAL MINES AND MINING—MECHANIZATION see subdivision under Moscow Basin

## COAL MINES AND MINING—MODELS

Measuring stresses in models made of equivalent materials. V. L. Popov, A. Sh. Katsnel'son, Sbor. nauch. trud. PNIUI no. 10:152-158 '66

## COAL MINES AND MINING—PRODUCTION STANDARDS

see subdivision under Moscow Basin

## COAL MINES AND MINING—RESEARCH see subdivision under Kuznetsk Basin

## COAL MINES AND MINING—SAFETY MEASURES

(see also subdivision under Donets Basin, Karaganda Basin, Kuznetsk Basin, Pechora Basin)

Obustroystvennyi maktevskii nauchno-issledovatel'skii institut po bezopasnosti rabot v gornoi promyshlennosti. [Guide to the use of sprinkling during coal stoping operations] Rukovodstvo po primeneniю orosheniia pri vyemke ugla v ochistnykh zabolakh. Moskva, Nedra, 1966, 40 p.

New suggestions for the control of methane in coal mines. N. A. Zaitsev, M. S. Androsov Ugol' 37 no. 12-35-43 D '62

Vostochnyi nauchno-issledovatel'skii institut po bezopasnosti rabot v gornoi promyshlennosti. [Instruction on dust control by methods of preliminary wetting of coal seams] Instruktia po bor'be s pyliu metodom predvaritel'nogo vlazhneniia ugol'nykh plastov. Moskva, Nedra, 1966, 75 p.

## COAL MINING MACHINERY

(see subdivision under Bokovo-Antiatst, Ukraine; Czechoslovakia, Donets Basin; Moscow Basin)

Analysis of the operation of mechanized longwalls on steeply pitching seams in the Donets Basin. E. V. Petrov, I. A. K. Gritsenko, V. G. Chernyshev, Ugol' Ukr. 6 no. 12-6-8 D '62

Determination of loads in stopes depending upon flow sheets of the operation and performance of coal cutter-loaders. S. M. Arutunian, M. D. Raitayn, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 366-382 '65

Economic efficiency of coal mining machinery. A. S. Astakhov, Ugol' 37 no. 12:48-53 D '62

Efficiency of using new machinery in coal mines of Moscow Basin. V. G. Popov, Sbor. nauch. trud. PNIUI no. 10:5-13 '66

Establishing standards for the number of workers to operate mechanized equipment complexes, taking into account the influence of mash factors in conditions of Moscow Basin. P. G. Korsh, Sbor. nauch. trud. PNIUI no. 10:66-77 '66

Meanless coal mining with the help of a wire line saw in Mine No. 160 of the Krasnyi Luch Trust. N. K. Grin'ko and others, Ugol' Ukr. 6 no. 12:8-11 D '62

Merkulov, N. I. A., I. I. Sokolov, and S. G. H. Inskii. [Operator of a stoping machine complex and coal-mining machine unit] Mashinist ochistnogo kompleksa i ugle-dobyvalushchego agregata. Moskva, Nedra, 1966, 278 p.

The PPM-4 rock loading machine used in mining inclines. V. B. Voloshin Ugol' Ukr. 7 no. 3-31-72 Mr '63

Reader's response to the article by T. I. Ivanova "Evaluation of sets of equipment with wide and narrow grab cutter-loaders," Ugol' Ukr. 1962, No. 2 1-5, Duda Ugol' 37 no. 12-53-51 D '62

Single-chamber, thermostatic methane indicator as measuring element of the automatic control system of coal mining machine performance according to the gas emanation factor. V. M. Tarasov, Dop. AN URSS no. 10-1302-1306 '66

Ways leading to profitability. V. A. Nesychachen, A. I. Solovov Ugol' 12 no. 1-32-33 Ja '67

## COAL MINING MACHINERY—DESIGN AND CONSTRUCTION

(see also subdivision under Donets Basin, Karaganda Basin, Moscow Basin)

Action of mining mechanism on KTY-2 cutter-loaders. L. A. Simonov, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 127-135 '65

Algorithms for controlling movements of track-laying coal cutter-loaders in vertical direction. V. A. Ushkin, Izv. vyz. uchob. zav., gor. zhur. 10 no. 1-152-156 '67

Analysis of certain problems in designing hydraulic powered supports. V. L. Brodetski, M. F. Zverev, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 59-68 '65

Analyzing the operation of gears in mining machines. I. N. Kalashnikov, G. I. Simakov, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 284-300 '65

Experimental study of factors influencing the performance of spiral gummies in coal cutter-loaders. E. G. Kolesnikov, V. I. Zevitnev, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 52-58 '65

In the Ministry of Coal Industry of the U.S.S.R. N. A. Sakharovskii, Shakhst. stroit. 10 no. 12-30-31 D '65

## COAL MINING MACHINERY—DYNAMICS

Methods of testing on electron models the dynamic processes in static coal mine plays. M. F. Fedotov, Izv. vyz. uchob. zav., gor. zhur. 8 no. 9-139-146 '65

## COAL MINING MACHINERY—ELECTRIC DRIVING

Reliability of electric equipment on coal cutter-loaders. B. Sh. Rubinshtein and others Ugol' 42 no. 1-45-46 Ja '67

## COAL MINING MACHINERY—MAINTENANCE AND REPAIR

Amount of wear and purpose of the optimum method of reconditioning aides of satellite planetary reduction gear of coal cutter-loaders. P. M. Shilov and others Izv. vyz. uchob. zav., gor. zhur. 8 no. 9-93-98 '65

Strut testing of small-size plate packings. V. A. Demchenko, V. M. Lukhtanov, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 308-312 '65

COAL MINING MACHINERY—PARTS see subdivision under Donets Basin

## COAL MINING MACHINERY—PATENTS

Certain problems in manufacturing mining machines not yet patented. V. L. Shetelnuk, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 197-201 '65

## COAL MINING MACHINERY—PNEUMATIC DRIVING

Protection against harmful effect of vibration in operating pneumatic hammers. L. M. Feigin, E. I. A. Sudnits, Shakhst. stroit. 10 no. 12-3-7 D '66

Ways of increasing technically possible performance of UKR-type cutter-loaders with pneumatic driving. I. U. N. Kiklovich, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 30-44 '65

## COAL MINING MACHINERY—RELIABILITY

(see also subdivision under Moscow Basin)

Reliability of electric equipment on coal cutter-loaders. B. Sh. Rubinshtein and others Ugol' 42 no. 1-45-46 Ja '67

Reliability of stoping equipment complexes depending on longwall length. B. I. Gritsaluk, V. G. Popov, B. A. Annenkov, Sbor. nauch. trud. PNIUI no. 10:87-91 '66

## COAL MINING MACHINERY—TESTING

(see also subdivision under Donets Basin; Kuznetsk Basin)

Analysis of the amount of labor required for mining operations and of the degree of mechanization in longwalls with powered equipment complexes in conditions of Moscow Basin. P. G. Korsh, Sbor. nauch. trud. PNIUI no. 10:105-111 '66

Increasing the efficiency of stoping complexes in Moscow Basin. A. A. Portnov, D. V. Lizunov, K. N. Belikov, Sbor. nauch. trud. PNIUI no. 10:14-27 '66

Operating conditions of cutter-loaders for steep coal seams. V. I. Zvertev, B. N. Morozovskii, Mash. i obor. dila mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2:15-29 '65

Results of testing working element of UKM-1 narrow-work stoping cutter-loaders. K. N. Belikov, Sbor. nauch. trud. PNIUI no. 10:92-104 '66











## COMMUNIST YOUTH LEAGUE (Continued)

We need what Vladimir Il'ich has taught us S. M. Kharin  
Mol. rev. no. 4 1-3 '66  
Your contemporaries I. Kulikov, V. Khalipov Sov. voyn  
41 no. 24 3-1 D '66

## COMMUNISTS

(see also subdivision under Vietnam, North)

[Aleksandr Chapaev and others] Aleksandr Chapiev i  
drugie. Izd. 2., ispr. i dop. Moskva, Politizdat, 1967.  
272 p.

A Communist who delivered 300 lectures Part zhizni  
no. 1 1-1 '67

"I do what I want!" M. Barmakin Part zhizni no. 1  
69 1-1 '67

[Lenin guards of our planet, stories about V. I. Lenin's  
companions in arms and contemporaries] Leninskaya  
gvaridiya planety, rasskazy o sovetskikh i sovremennikh  
kakh V. I. Lenina Moskva, Politizdat, 1967 502 p.  
"The whole world is getting ready for the 50th anniversary  
of the Great October Revolution Part zhizni no. 3-74-  
75 1-1 '67

COMMUNITY CENTERS see subdivision under Georgia

COMPARATIVE AND GENERAL GRAMMAR see  
Grammar, Comparative and general

## COMPASS

From the history of compasses in Russia V. P. Rachenko  
K. Sudostroyeniye 56 no. 12 56-58 D '66

Gukov, F. T. [Practice of correcting and determining the  
deviation] Praktika ispravleniya i opredeleniya  
deviatsii. Moskva, Transport, 1966. 199 p. (Biblioteka  
sudovoditelja morskogo flota)

## COMPETITION

Capitalist competition and wages E. Placnev Vneshe-  
torg. 48 no. 12 54-59 '66

## COMPETITION, INTERNATIONAL—CONGRESSES

Economic competition of the two world systems, Inter-  
university conference. I. Rudakova, I. Tashchik, M. Malina-  
rova. Nauch. dokl. vs. shkol, ekon. nauki 1 no. 1429-  
142 '61.

## COMPLEMENT FIXATION

New variation of antigen and the accelerated method of  
microreaction of complement fixation for the study of  
paratuberculosis A. K. Strogov. Nauch. soob. IAFAN  
SSSR no. 8 117-123 '62

## COMPLEX COMPOUNDS

Complex compounds of group IV metals with dialkyl-  
aminoethylenephosphonates, their sulfides and diphenyl  
disulfides A. D. Gerasimov and others Zhur. neorg.  
khim. 12 no. 1159-1162 Ja '67

Complex formation of amino derivatives of biphenyl,  
diphenyl sulfide, and diphenyl oxide B. V. Tronov and  
others Trudy TGU 185 3-5 '65

Complex-forming reactions between non-antimony chlorides  
and  $\alpha,\beta$ -unsaturated ketones O. F. Boprovov,  
I. M. Tolmashov, V. F. Lavushyn. Dop. AN URSS  
no. 10 1915-1917 '66

Disarrangement of the p<sup>+</sup>-conjugation in aromatic ethers  
during complex forming with aluminum bromide I. P.  
Romm, F. N. Gushanova. Dokl. AN SSSR 171 no. 4 877-  
879 D '66.

Porat-Koshits, M. A., and E. A. Gillskaya. [Crystal  
chemistry, advances in the crystal chemistry of com-  
plex compounds] Kristallografiya, aspekhi kristallogra-  
fiy i kompleksnykh soedinenii. Moskva, Akad. nauk  
SSSR, 1966. 211 p. (Vopr. nauki. Seriya Khimiya)

Preparation of mixed complex compounds of copper,  
cobalt, nickel chlorides with 2-chloro-1,3-butadiene,  
S. N. Avastian, R. A. Karapetian. Izv. vys. ucheb. zav.,  
khim. i khim. tekhn. 9 no. 5 686-690 '66.  
Preparation of some new aminocarbene complex compounds  
of cobalt, zinc and cadmium chlorides S. N. Avastian,  
Iz. vys. ucheb. zav., khim. i khim. tekhn. 9 no. 5 611  
'66

Synthesis and complex-forming properties of racemic  
2,3-dihydroxy-1,4-diaminobutanetracarboxylic acid  
N. M. Djalilova and others Dokl. AN SSSR 172 no. 1491-  
97 Ja '67

Ternary sulfate complex of iron and aluminum. I. V.  
Platinskii, L. M. Glushchenko. Ukr. khim. zhur. 32  
no. 11 1220-1221 '66.

Use of the molecular orbitals method with self-consistent  
in calculating aniline-nitrobenzene and nitrobenzene-  
phenol complexes V. I. Danilova, S. I. A. Belomytsev.  
Izv. vys. ucheb. zav., fiz. 9 no. 6 162-163 '66.

## COMPLEX COMPOUNDS—SPECTRA

Infrared absorption spectra of complex compounds of  
cobalt, nickel, and platinum with hydroxylamine,  
I. A. Kharitonov, M. A. Sarukhanov, I. B. Bajanovskii.  
Zhur. neorg. khim. 12 no. 1163-1173 Ja '67.

## COMPLEX COMPOUNDS—THERMODYNAMICS

Some features of complex formation in vapors at high  
temperatures G. I. Nevikov. Probl. sovr. khim. koord.  
soed. no. 1 28-77 '66.

## COMPLEX IONS

Interaction between components in ternary nitrate  
aqueous-salt systems M. A. Akimov. Probl. sovr.  
khim. koord. soed. no. 1 136-155 '66.

## COMPLEXONS

Complex formation in the system  $UO_2(NO_3)_2 \cdot H_2O_2$  -  
ethylendiaminetetracetic acid -  $H_2O$  L. P. Polozhenskii,  
L. F. Solntseva, A. M. Gulevich. Radiokhimiya no. 6 635-644 '66

## COMPLEXONS—THERAPEUTIC USE

Therapeutic effectiveness of complex ion in lead poisoning  
M. M. Abaeva. Sbornik nauch. trud. SOGMI no. 10 158-165  
'61

COMPLICATED LABOR see Labor, Complicated

COMPLICATIONS OF PREGNANCY see Pregnancy,  
Complications of

COMPOST see subdivision under Kaimin Province,  
Simonsen Province

COMPOUND E see Cortisone

## COMPRESSED AIR

Quality of compressed air for brake system feed A. I. A.  
Kiselev, O. P. Kopylov. Elek. i topl. energ. 10 no. 12 30-  
11 D '66.

COMPRESSED WOOD see Wood, Compressed

## COMPRESSORS

Calculation of the work hours of compressors under con-  
ditions of automatic operation V. A. Petushko, A. A.  
Chistakov. Khim. tekhn. 13 no. 1149 N '66.

Determination of the scale of the pressure oscillogram in  
indicating compressors with the use of variable pres-  
sure in the operating cavities I. M. Agayev, L. L.  
Vedovskii. Khim. tekhn. 13 no. 1125-1129 N '66

Device for automatic registering the operation of com-  
pressors in mechanized hump yards A. I. Koshachen-  
ko. Avtom. i tekm. i svyaz. 10 no. 12 37-38 D '66.

Effect of the dynamics of gas pipelines on the control of  
the productivity of compressor stations A. Z. Gry-  
shchenko, M. O. Zhyalkova. Prikl. inst. vyk. ga. v kom. hosp.  
t. prom. AN URSS 7 16-21 '66

Follow-up on unpublished letters. Khim. tekhn. 43 no. 10-  
33 D '66

K-5500-12-1 centrifugal compressor. I. A. Druzhinin.  
Energomashinostroyeniye 12 no. 11 12 N '66.

Study of the control of compressors with gas meters  
A. Z. Gryshchenko. Prikl. inst. vyk. ga. v kom. hosp.  
t. prom. AN URSS 7 30-47 '66

Wear and extension of the service life of the cylinders of  
immersion compressors V. Amburov. Mash. ind.  
SSSR 78 no. 126-128 Ja '67

## COMPRESSORS—AERODYNAMICS

Method of design and calculation of steam-jet compres-  
sors P. I. Stasov. Energomashinostroyeniye 6 no. 10  
48-14, 17 O '66

Performance of a centrifugal compressor stage under  
the conditions of flow vortex motion at the inlet. M. T.  
Stekharov. Energomashinostroyeniye 8 no. 9 15-18 S  
'66.

Using optical methods in studying the flow in blade rings  
of an axial flow compressor. I. A. Sushchenko, Lop-  
mash. i stroit. app. no. 1 115-119 '66.

Using the energy method in analyzing the stability of gas  
systems with compressors I. T. Oshchinnikov, P. A. Loksh-  
inova. Lop. mash. i stroit. app. no. 1 121-136 '66.

## COMPRESSORS—BLADES

Role of twisting restriction in calculating vibration  
frequencies of compressor blades S. M. Grinberg.  
Prikl. i din. av. dvig. 3 211-237 '66

## COMPRESSORS—NOISE

Study of the noise of hermetic compressors V. A.  
Tikhonov. Khim. tekhn. 13 no. 12 D '66

COMPRESSORS—TECHNOLOGICAL INNOVATIONS see  
subdivision under Erivan

## COMPTON EFFECT

Sum rule for the interaction constants of  $\pi^+$  and  $X^0$ -  
mesons V. I. A. Fainberg, L. V. Fil'kov. Pis'ma v red.  
Zhur. eksp. i teoret. fiz. 5 no. 2 64-67 Ja '67

## COMRADES COURTS

Give more attention and help to comrades courts! Sov.  
just. 31 no. 3 9-10 F '67.

CONCENTRATED FOOD see Food, Concentrated

## CONCRETE

(see also subdivision under White Russia)

Automatic control of the mobility of concrete. A. E. De-  
sov, N. I. Solodov. Trudy NIIZHB no. 10 14-33 '61

Kinetics of cement hydration in concrete at elevated  
temperatures L. A. Silchenko, N. V. Mikhailov, P. A.  
Rebinder. Dokl. AN SSSR 167 no. 2 391-394 Mi '66.

Technical and economic indices of the use of concrete  
pumps in the construction of hydraulic structures G. M.  
Vainshtein. Energ. stroit. no. 7 37-42 '66.

With minimum expenditures N. Dikermus. Na stroit. Ros.  
5 no. 3 20 Mr '64

## CONCRETE—CORROSION

Prolongation of the service life of building structures in  
enterprises of the leather industry. A. V. Chibrikov, N. I.  
Gysev. Kozh. obnov. prom. 8 no. 11 27-30 N '66.

## CONCRETE—FATIGUE

Effect of the inhomogeneity of the solid phase on the re-  
sistance of concrete to cracking under stress V. A.  
Pashkovskii, N. V. Mikhailov, P. A. Rebinder. Dokl. AN  
SSSR 171 no. 1 849-853 D '66

Research on fatigue strength of precast reinforced con-  
crete structures. A. P. Khilov. Trudy Gidroprom. 54  
no. 13 60-92 '66.

## CONCRETE—TESTING

Changes in the dynamic modulus of elasticity during heat  
and moisture treatment of "hot-dry" concrete G. S.  
Miron. Trudy NIIZHB no. 10 112-151 '61

Choosing mechanisms for compacting specimens when  
testing concrete and concrete A. E. Desov. Trudy  
NIIZHB no. 10 111-123 '61

Effect of chemical admixtures on the physicochemical  
properties of heavy concrete I. A. Arshinov. Trudy  
NIIZHB no. 10 155-168 '61

Experimental data from the results of tests of various  
means of determining the workability of a concrete  
mix A. E. Desov, E. V. Belikova. Trudy NIIZHB no. 10  
169-186 '61

Fast method of determining strength of concrete V. V.  
Volodin. Transp. stroit. 16 no. 4 50-51 Ap '66.

Some structural properties of concrete hardened in an  
autoclave I. A. Svetitskaya. Trudy NIIZHB no. 10 134  
141 '61.

Studying properties of sand and gravel concrete with  
various aggregates L. I. Babkin. Sbornik nauch. trud.  
PNIUI no. 10 235-253 '66

## CONCRETE—THERMAL PROPERTIES

Heat resistance of sand concrete L. K. Dolgikh, N. V.  
Mikhailov, P. A. Rebinder. Dokl. AN SSSR 172 no. 1  
115-140 Ja '67

## CONCRETE, EFFECT OF TEMPERATURE ON

Increasing the strength of concrete with prearranging of  
the heat treatment process A. T. Shkolnikov. Mash.  
nauch. trud. PNIUI no. 10 221-244 '66.

## CONCRETE BEAMS

(see also subdivision under Leningrad)

Determining bearing capacity of over-reinforced re-  
inforced concrete beams O. Danchenko. Prom. i stroit.  
mash. stroit. 6 no. 6 26-27 N-D '66.

Mechanizing fittings work on the Bataysk Bridge Rein-  
forced Concrete Structural Elements Plant V. S.  
Ivkin. Prom. i stroit. 16 no. 1 21-25 Mi '66.

Studying work of reinforced concrete beams with different  
reinforcement Trudy Gidroprom. 54 no. 13 12-21 '66.

CONCRETE BRIDGES see Bridges, Concrete

## CONCRETE COATING

Determining the adhesion of paint coatings to concrete  
surfaces V. S. Shchegoleva, I. V. Koshchikhin. Stroit.  
i mash. i khr. prom. no. 6 11-15 '66.

CONCRETE COLUMNS see Columns, Concrete

## CONCRETE CONSTRUCTION

(see also subdivision under Volga Hydroelectric Power  
Station (22d Congress of the CPSU))

Determining the ability of lining of precast concrete  
G. P. Rekiavskii. Prom. i stroit. 16 no. 2 18-19  
F '66.

Endurance and deformation of concrete under multiple  
repeated loading T. S. Karamitov, M. S. Volkov. Trudy  
Gidroprom. 54 no. 13 150-171 '66

Nauchno-issledovatel'skii institut po razrabotke i mekani-  
zatsii i tekhnicheskoi pomoshchi stroitel'stvu. [Concrete  
operations, collection of reports of efficiency projects]  
Belomysle raboty, sbornik opisaniy razrabotki i razskazov  
predlozhenii Moskva, Stroitel'dat, 1965. 44 p. (Novosti  
stroitel'stva i tekhniki SSSR)

[MICHOI ILM]

Pneumatic transportation of concrete in industrial con-  
struction V. V. Dufasov, S. Kh. Fridental. Prom. i stroit.  
30 no. 12 17-19 '61

Repairing damage to reinforced concrete products. Stroit.  
i mash. i khr. prom. 7 no. 12 20 D '66.

Switch booth from prefabricated space cellular concrete  
elements G. S. Noshchinskii and others. Transp. stroit.  
16 no. 2 10-20 F '66.

Use concrete rubble masonry in hydraulic structures V. A.  
Afanasov. Rech. i transp. 20 no. 7 53-54 Ji '61.

CONCRETE CONSTRUCTION—BIBLIOGRAPHY see  
Bibliography—Concrete construction

CONCRETE CONSTRUCTION—COLD WEATHER  
CONDITIONS

Include cold weather instructions in all plans V. V. A.  
Na stroit. Ros. 7 no. 12 21 D '66.

## CONCRETE CONSTRUCTION—CONGRESSES

Results of 5th Conference on Concrete and Reinforced Concrete. Bel. i zhe. bet. i zh. no. 11-12 N '66

## CONCRETE CONSTRUCTION—FORMWORK

(see also subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU))

Kozlov, N. E. [Machines for casting concrete and reinforced concrete pressure and low-pressure pipes] Stanok dlia formovaniia betonnykh i zhelezobetonnykh beznapornykh i malonapornykh trub. Moskva, NIImformmash stroitdormmash, 1965. 53 p. (Ser. 11.2. Oborudovanie dlia promyslovenosti stroitel'nykh i metallov)

Design of vertical wall form by the method of concreting without formwork. Tr. V. I. Zhukovskii i dr. 10 no. 12-13 D '66

A method worthy of great attention, insight and precise construction of buildings in a mobile form. M. S. Tuzov. Stroitel'nikh. Len. 28 no. 6-24-25 Ju '66

Russkii (U.S.S.R.) Gosudarstvennyi komitet po dolam stroitel'stva [Interpublic technical specifications; welded steel forms for manufacture of concrete and reinforced concrete products] Mezhd. respublikanskoe tekhnicheskoe uslovie, formy stal'nye svaynye dlia izgotovleniia betonnykh i zhelezobetonnykh izdelii MITU 7-15-66 Moskva, Stroizdat, 1966. 15 p.

Zemskii, A. A. [Add to the concrete caster, manual for increasing the skill of workers in the Housing Construction Combine] V pomoshch' betonschiku-fornovshchiku, posobie po povysheniiu masterstva rabochikh BSK. Izmagrad, Stroizdat, 1966. 80 p.

## CONCRETE CONSTRUCTION—JOINTS

How to make a safe joint between panels. N. Rozanov. Na stroitel'noe. 1 no. 1-1-12 Mr '63

Improved joints of panels of exterior walls. A. Yakovlev. Na stroitel'noe. 1 no. 9-10 S '63

Ryabinskii, G. B., and others. [Sealing the joints of precast reinforced concrete structural elements] Zadacha stykovo-nnykh zhelezobetonnykh konstruktiv. Moskva, Stroizdat, 1966. 304 p.

Notes of earthquake-proof buildings in series 1-16 IAS and 1-16 IAS-P. I. Gendelman. Na stroitel'noe. 1 no. 7-26-27 Ju '66

Methods of safe protection of panel joints. A. Tagirov, G. Akhmedov. Na stroitel'noe. 1 no. 4-25 S '63

Sealing joints of reinforced concrete structures with expanding watertight concretes and mortars. Prom. stroitel'zh. soor. 8 no. 6-10 N-D '66

## CONCRETE CONSTRUCTION—QUALITY CONTROL

Physical methods of production control in industrial buildings. A. Chudakov. Prom. stroitel'zh. soor. 3 no. 6-8-10 N-D '66

## CONCRETE CONSTRUCTION—SAFETY MEASURES

Mathevolich, A. T. [Safety manual for workers attending manual precast unit at a construction yard] Pamiatka po tekhnike bezopasnosti dlia rabochikh, obshchivshchikh raznoymye izly na stroitel'noi ploshchadke. Izd. 2. Moskva, Stroizdat, 1966. 26 p. (Tekhnika bezopasnosti v stroitel'stve)

## CONCRETE CONSTRUCTION—STANDARDS

Russkii (U.S.S.R.) Gosudarstvennyi komitet po dolam stroitel'stva [Interpublic technical specifications; welded steel forms for manufacture of concrete and reinforced concrete products] Mezhd. respublikanskoe tekhnicheskoe uslovie, formy stal'nye svaynye dlia izgotovleniia betonnykh i zhelezobetonnykh izdelii MITU 7-15-66 Moskva, Stroizdat, 1966. 15 p.

CONCRETE DAMS—DESIGN AND CONSTRUCTION see subdivision under Bratislav Hydroelectric Power Station

CONCRETE FLOORS see Floors, Concrete

## CONCRETE FOOTINGS

Concrete column foundations with support widening. L. I. Vasil'ev and others. Stroitel'nikh. Len. 28 no. 12-13 D '66

## CONCRETE MIXERS

Applying the theory of similitude to a study of paddle concrete mixer. L. K. Shaturov. Stroitel'noe. 6 no. 12-13-14 D '61

Something new in automation of concrete mixing shops. A. B. Minin, V. A. Fateev. Stroitel'nikh. Len. 28 no. 12-22-23 D '66

## CONCRETE PILING

How to raise the quality of pile driving operations. G. Rusanov. Na stroitel'noe. 7 no. 12-24 D '66

Mechanized stand for preparing prestressed reinforced concrete pile planks and piles. E. S. Kharov. Tramp. stroit. 10 no. 4-20-30 Ap '66

Method of improving pile driving with a diesel hammer. B. I. Markevich. Avi. doi. 24 no. 11-27 N '61

Results of testing medium diameter bored piles. A. V. Mudarev. Tramp. stroit. 10 no. 3-4-5 Mr '66

Some more on the use of insitu piles of the "Benolite" type. A. Chudakov. Stroitel'nikh. Mosk. 15 no. 7-25-26 Ju '66

Something new in manufacturing prestressed structural elements. V. F. Shariakov. Stroitel'nikh. Len. 28 no. 5-16-17 My '66

## CONCRETE PIPE see Pipe, Concrete

## CONCRETE PLANTS

(see also subdivision under Moscow Province, Volga Hydroelectric Power Station (22d Congress of the CPSU))

Controlling industrial noise in casting shops of plants producing reinforced concrete articles. IU. M. Elizarov. Prom. stroit. 39 no. 12-19-53 '61

## CONCRETE PLANTS—EQUIPMENT AND SUPPLIES

Modernization of the batch-weighing equipment of cyclic concrete plants. O. V. Monastyrskii. Stroitel'noe. 6 no. 12-19-23 D '61

## CONCRETE REINFORCEMENT

(see also subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU))

Change in properties of high-strength steel wire under continuous reinforcement. B. I. Skliar. Bet. i zhe. bet. 12 no. 11-28-31 N '66

Concerning the article by E. G. Raitis and S. I. U. Tsitsin. Prom. stroit. 39 no. 12-35-37 '61

Monolithic efficiency of continuous reinforcement method in prefabricating prestressed structural elements. V. G. Mikhailov, L. I. Sygankov. Bet. i zhe. bet. 12 no. 11-8-11 N '66

Hardening reinforcement using DG-170/120 hydraulic jacks. R. Chaynshev. Prom. stroitel'zh. soor. 8 no. 8-18-20 N-D '66

Improving technology of prestressed structural elements. Bet. i zhe. bet. 12 no. 11-2-2 N '66

Low alloy, 26G52 steel for concrete reinforcement. I. M. Lokin, V. N. Utkin, A. A. Roshchina. Stal'. 21 no. 11-10-10-12 N '61

Manufacturing prestressed panels with continuously twisted strand reinforcement. V. V. Moylev. Bet. i zhe. bet. 12 no. 11-11-13 N '66

Mechanizing fittings work of the Bataysk Bridge Reinforced Concrete Structural Elements Plant. V. S. Utkin. Tramp. stroit. 16 no. 3-23-25 Mr '66

On controlling tensioning of reinforcement. V. F. Shariakov. Stroitel'nikh. Len. 28 no. 12-15 D '66

Relieving tension on reinforcements during manufacture of prestressed structural elements. A. A. Markarov, I. A. Mekhtiev. Bet. i zhe. bet. 12 no. 11-22-27 N '66

Selection of symmetrical untensioned reinforcement in eccentrically compressed reinforced concrete structural elements of a tangential cross section. V. B. Karaman, B. B. Pafel'd. Bet. i zhe. bet. 12 no. 11-37-38 N '66

Strands and cables for prestressed reinforced concrete. L. A. Krasimirov, L. D. Mamaykin. Bet. i zhe. bet. 12 no. 12-55-55 D '61

Theory and methods of continuous reinforcement of prestressed reinforced concrete structural elements. A. V. Mikhailov. Bet. i zhe. bet. 12 no. 11-2-8 N '66

Using continuous reinforcement in manufacturing prestressed reinforced concrete structural elements for apartment houses and municipal buildings. P. G. Sokolov, I. A. Litvinov. Bet. i zhe. bet. 12 no. 11-14-17 N '66

Using high-strength cold drawn wire without low temperature tempering. A. A. Litvinov, R. I. Shumelko. Stal'. 21 no. 11-10-13-19-44 N '61

## CONCRETE REINFORCEMENT—EQUIPMENT AND SUPPLIES

Pichugin, A. I. [Mechanized assembly technology for manufacturing reinforcement elements and its efficiency] Potochno-mekhanizirovannaya tekhnologiya izgotovleniya armirovaniia i ee effektivnost'. Moskva, Stroizdat, 1965. 47 p.

[MICROFILM]

CONCRETE ROOFING see Roofing, Concrete

## CONCRETE SLABS

Carrying capacity of reinforced concrete slabs weakened by openings. R. V. Zinov'eva, S. M. Krylov. Stroitel'nikh. soor. 9 no. 1-28-30 '67

Treating the lower surface of combine-made floors. V. I. Ocharov. Bet. i zhe. bet. no. 12-55-56 D '61

## CONCRETE WALLS

Conveyor manufacture of wall panels. M. IU. Aramb, D. S. Levintov. Stroitel'nikh. Len. 28 no. 6-19-22 '66

Suspension walls. L. Balanovskii. Na stroitel'noe. 4 no. 7-28-29 Ju '63

CONCRECTIONS see subdivision under Donetsk Basin

## CONDENSATE OIL FIELDS

Development problems of condensate oil fields. IU. V. Zheltov, V. N. Matos. Neft. khoz. 44 no. 12-32-35 D '66

Retrospective condensate losses in a gas-condensate layer developed by the natural depletion method. M. A. Cherepakhin. Nauch.-tekhn. sbor. po dobn. nefi. no. 3: 61-70 '59

## CONDENSATION PRODUCTS (CHEMISTRY)

Some processes of lignin condensation in wood hydrolysis. M. I. Chudakov and others. Sbor. trud. NIIS 14:238-252 '65

Synthesis of 5,6-benzoquinoline derivatives. Synthesis of 2-phenyl-5,6-benzoquinoline-4-aldichide and study of its condensation with substances having mobile hydroxyl groups. N. S. Kozlov, V. V. Mischenkov. Uch. zap. Peim. ped. inst. 32-50-56 '63

## CONDENSERS (ELECTRICITY)

Golovko, V. G. [Semiconductor capacitors] Poluprovodnikovye emosti. Novosibirsk, Nauka, 1967. 49 p.

## CONDENSERS (STEAM)

Selection of productive capacity of condensing system in air pumps. I. D. Berman. Elek. zh. 37 no. 12-30-37 Ju '66

## CONDITIONED RESPONSE

Characteristics of the formation and functioning of temporary connections in early postnatal ontogenesis in puppies irradiated on the 20th day of embryogenesis. M. G. Arapchany. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-27-37 '62

Characteristics of the formation and functioning of temporary connections in early postnatal ontogenesis in puppies irradiated on the 15th day of embryogenesis. M. G. Arapchany. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-11-26 '62

Conditioned reflex activity in adult white rats exposed to the action of ionizing radiation during the organogenetic stage. M. B. Gol'dberg. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-58-70 '62

Conditioned reflexes to electric stimulus of the cerebral cortex in dogs following injection of thyroxine into organism. M. I. Rozin. Vestn. AN BSSR. Ser. biol. nav. no. 1-74-76 '67

Cortical regulation of response activity of the thalamic relay nucleus. S. P. Narkishvili, D. V. Kadzhaia. Fiziol. zhur. 10 no. 3-281-292 Mr '63

Disorder of the activity of the higher portions of the central nervous system in animals exposed to X-ray doses of 25 r during the fetal period of their antennal development. I. A. Kolomietseva. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-71-81 '62

Dynamics of conditioned reflex changes in the electroencephalogram due to multiple combinations of sound with rhythmic light stimuli. G. N. Buldyreva, V. S. Ruzhkov. Zhur. vys. nerv. deiat. 12 no. 6-1011-1020 N-D '62

Effect of large and small doses of analgesics on conditioned reflexes. A. V. Val'dman. Zhur. vys. nerv. deiat. 12 no. 6-1065-1072 N-D '62

Effect of thyroxine on motility of nervous processes and bioelectric activity of brain. U. A. Adimovich-Erman. Vestn. AN BSSR. Ser. biol. nav. no. 4-97-102 '66

Experimental research in the realm of a methodological study of fundamental nervous processes in rats. V. N. Semagin. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-177-186 '62

Higher nervous activity in middle-aged rats exposed once to ionizing radiation during the fetal period of their antennal development. I. A. Piontovskii, I. A. Kolomietseva. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-82-89 '62

Higher nervous activity of sexually mature rats of middle age exposed to repeated ionizing irradiation during the period of their antennal development. I. A. Piontovskii, V. N. Semagin. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-99-101 '62

Limit of differentiated inhibition in puppies. M. S. Katsenik, K. V. Vasilovskaya. Vestn. AN BSSR. Ser. biol. nav. no. 4-68-74 '66

Phenomenon of the cumulation of stimuli in the primary sensory areas of the cerebral cortex. M. Steklade, M. Demetrescu. Fiziol. zhur. 49 no. 3-298-305 Mr '63

Rate of the formation of conditioned inhibition in ontogenesis. L. N. Kozlova. Zhur. vys. nerv. deiat. 12 no. 6-1073-1078 N-D '62

Relation of the motility of cortical processes under normal conditions and in schizophrenia patients. N. G. Mirolubov, IU. S. Nikolaev. Zhur. nevrol. psikh. 62 no. 11-1696-1700 '62

Results of statistical studies of motor conditioned reflexes in rats. V. N. Semagin. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-156-176 '62

Semilabomatic installation for the study of higher nervous activity in rats. M. B. Gol'dberg and others. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-187-198 '62

Some characteristics of the formation and development of the functions of the higher portions of the central nervous system in rabbits exposed to ionizing irradiation during the period of their intruterine development. R. I. Kruglikov. Trudy Inst. vys. nerv. deiat. Ser. patofiziol. 10-38-57 '62

X-ray study of the process of filling and the concentration capacity of the gallbladder. P. K. Klimov. Fiziol. zhur. 49 no. 3-353-358 Mr '63

## CONDUCT OF LIFE

Authority is won this way! F. Potrenko. Part. zhizn'. no. 4-68 F '67



## CONDUCT OF LIFE (Continued)

- Lkhodev, L. I. [The price of being noted] T'sena uni-  
lenia [Moskva] Molodai guardia, 1967 198 p.  
Readers continue their conversations Mol komm no. 1  
60-62, 93 '66  
Symposium from the editor's notebook V Pavlik Agi-  
tator 34 no 3 10-39 F '67  
Volkov, K. P. [A mouthful of water] Glotok vody  
Tashkent, Fsh gvardia, 1966 56 p. (Tvoi tovarishchii)  
Zhurakhovych, S. M. [Who is your friend?] Kto kto  
drug, Moskva, Politizdat, 1967, 173 p. (Vremia i  
ludi)

## CONDUCTOMETRIC ANALYSIS

- Conductometric studies of structure of crude complex  
in carbamide degrading process T. A. Chugodov,  
M. I. Mazurek, B. V. Klementov Izv vuz ucheb. zav.  
nch' gaz 9 no 8 51-53 '66  
Rapid chronoconductometric method of determining acids  
T. A. Khudakov, A. P. Kreshkov Izv vuz ucheb. zav.  
khim. i khim. tekhn. 9 no 5 713-716 '66  
Use of methylene blue for amperometric determination  
of tin and titanium. N. N. Kuz'mina, T. A. Nikulina,  
M. G. Litvinov, Izv vuz ucheb. zav. khim. i khim. tekhn.  
9 no 5 709-712 '66.

## CONFECTIONERY

- Developing a new technology of continuous heating under  
pressure in the production of "Zephyr" candies Z. I.  
Surgucheva Trudy VNIH no 17 63-71 '66  
Mechanical line for the production of cast candy M. D.  
Smotankina Trudy VNIH no 17 13-32 '66  
Reducing the standing time of dragees with unseparable  
coatings L. I. Mitichenko, A. I. Sybul'skii, I. A.  
Kochetova Trudy VNIH no 17 85-88 '66  
Study of the structural and mechanical properties of the  
candy mass before pouring it into porous rubber mold,  
R. G. Zolova, V. N. Nikiforova Trudy VNIH no 17  
88-99 '66

## CONFECTIONERY—PRODUCTION STANDARDS see subdivision under White Russia

## CONFECTIONERY—STORAGE

- Prolonged storage of hard caramels M. I. Soboleva,  
S. V. Pantukhina Khleb i kond. prom 10 no 12 18-  
20 D '66.

## CONFECTIONERY INDUSTRY

- (see also subdivision under Leningrad Province;  
Moscow)  
Quality improvement and assortment increase of goods.  
M. S. Dinaburg Khleb i kond. prom 10 no 12 30-32  
D '66

## CONFECTIONERY INDUSTRY—COSTS see subdivision under Ukraine

## CONFECTIONERY INDUSTRY—EQUIPMENT AND SUPPLIES

- Automatic estimation of caramel production V. S. Orlov,  
Khleb i kond. prom 11 no 142 Ja '67.  
Continuous lines for the baking and confectionery indus-  
tries of socialist countries N. C. Morev Khleb i  
kond. prom 10 no 12 10-42 D '66  
New design of the paste mixing machine. A. V. Zubchenko,  
I. G. Samoilin Khleb i kond. prom 11 no 12 23-25 Ja  
'67  
Confectionery industry—management  
(see also subdivision under Moscow)  
Some problems of the transition to a new system of  
planning and economic incentives in the confectionery  
industry A. E. Fedorenko Khleb i kond. prom 10  
no 12 27-29 D '66.

## CONFECTIONERY INDUSTRY—PERIODICALS

- The periodical "Khlepopokarnia i konditerskaia promy-  
shlennost'" is 10 years old. V. Zolova, Khleb i kond.  
prom 11 no 12 Ja '67.

## CONFORMAL MAPPING

- Closed state of some classes of mappings with respect  
to uniform convergence. M. V. Baklanov, G. D. Suvorov,  
Trudy TGU 182 3-14 '65.  
Conformal mapping of circular regions. B. G. Balbarin,  
Dokl. AN SSSR 172 no 3 511-513 Ja '67  
Distortion of relative distances within closed regions of  
topological class BL (4) mappings in conformal invari-  
ant metrics. M. V. Baklanov, G. D. Suvorov, Trudy  
TGU 182 15-26 '65  
The general coefficient theorem. P. M. Tamrazov Mat.  
sboi. 72 no 1 59-71 Ja '67.  
Generalized Blaschke's product in regions of arbitrary  
connectivity. P. M. Tamrazov, Dop. AN URSS no 7  
853-856 '62  
How abundant is the class of quasi-conformal mappings  
of regions in three-dimensional Euclidean space. A. P.  
Kopylov, Dokl. AN SSSR 172 no 3 527-528 Ja '67.  
Mappings of Euclidean spaces which generalize conformal  
mappings. V. V. Ryzhikov, Trudy TGU 181 15-18 '65.  
Metric characteristics of class BL<sub>2</sub> mappings. I. S.  
Ovchinnikov, Trudy TGU 182 32-45 '65.  
Metric properties of plane univalent mappings of closed  
regions. G. D. Suvorov, Trudy TGU 182 48-58 '65.

- One form of the extremum metrics method. P. M.  
Tamrazov Ukr. mat. zhur. 19 no 1 121-128 '67  
Some properties of level curves in univalent conformal  
mappings O. V. Stepanova Mat. sbor. 72 no 1 72-96  
Ja '67  
Theory of extremum problems for quasi-conformal map-  
pings of closed Riemannian surfaces S. L. Kishkhal  
Dokl. AN SSSR 171 no 1 1781-1787 D '66.

## CONGLOMERATE

- (see also subdivision under Carpathian Mountain  
region; Crimean Mountains; Neleget Valley)  
Fossil desiccation fissures in Tertiary conglomerates.  
M. M. Kaitov Geol. zhurn. 21 no 2 108-109 '61

## CONGO (BRAZZAVILLE)—LAWYERS

- Lawyers of the Congo (Brazzaville) have visited the So-  
viet Union Sots. zakon no 2 92 F '67

## CONGO (KINSHASA)—COPPER MINES AND MINING

- An epitaph for Union Miniere. I. U. Bochkarev. Nov vrem  
25 no 7 8-10 F '67  
Union Miniere suffers a defeat. A. Zakharov, Mezhdunar.  
zhurn. 11 no 2 131-135 '67.

## CONGO (KINSHASA)—POLITICS AND GOVERNMENT

- Events in the Republic of the Congo Sov. zhurn. no 2 3-8  
Mi-Apr '61

## CONGOLESE VISITORS see Visitors, Congolese

## CONGRESSES AND CONVENTIONS

- [Bulletin of international scientific meetings, conferences,  
and congresses] Biul. mezhdunar. nauch. s'ezd., konf. i  
kongr. no 11 '66.

## CONGRUENCES (GEOMETRY)

- Centrosphere stratifiability of pairs of congruences.  
L. I. Magazinnikov Trudy TGU 181 13-56 '65.  
Centrosphere stratifiability of pairs of line congruences.  
N. M. Onitschuk. Trudy TGU 181 57-67 '65.  
Normal congruences of central conics. V. R. Riutun.  
Trudy TGU 181 97-103 '65.  
Some submanifolds of a congruence of screw lines.  
L. A. Zernyshkina. Trudy TGU 181 90-96 '65.

## CONFIERAE

- Some data on the physical and mechanical characteristics  
of conifer woods in connection with the selection of the  
most efficient method for their cleaning and sorting.  
A. K. Korobakhi Sbor. nauch. i sp. rab. po les. khoz.  
no 6 318-320 '63.

## CONJUGATION (CHEMISTRY)

- International problem. L. P. Zalkaev and others. Dokl.  
AN SSSR 172 no 3 594-596 Ja '67.  
Conjugation in systems with phosphorus tetrahedral atom.  
Substituted benzoyl phenylphosphomethylthylene. T. A.  
Mastrikova and others. Dokl. AN SSSR 172 no 3  
611-611 Ja '67.

- One algorithm of the computation of conjugate systems by  
SSP MO (LCAO) method taking into account configura-  
tion interaction. G. I. Kagan, L. N. Fundylov, G. M. Kagan.  
Teoret. i eksper. khim. 2 no 1 550-558 S-O '66

- Pre-conjugation energy in atomic orbitals and heats of  
formation of complexes with aluminum bromide I. P.  
Romm and others. Dokl. AN SSSR 172 no 3 618-621  
Ja '67

- Polymers with a conjugation system Report No 58;  
Polymerization of phenoxycetylene and properties of  
polymers based on it. A. A. Beilun, M. I. Cherkashin,  
I. P. Chernysheva. Izv. AN SSSR, Ser. khim. no 1 55-61  
Ja '67.

## CONNEXES

- Conjugated nets and axial systems of curves on a surface  
with projective connectivity. V. V. Navel, I. Klypka.  
Trudy TGU 181 34-42 '65.

## CONSERVATION OF NATURAL RESOURCES

- Protection of nature and geography. N. A. Gladkov,  
Vest. Mosk. un. Ser. 5, Geog. 16 no 1 23-30 Ja-F '61.

## CONSERVATION OF NATURAL RESOURCES—CON- GRESSES

- General assembly on nature protection. A. P. Fedorenko  
Dop. AN URSS no 12 1622-1624 '66.

## CONSTITUTIONAL HISTORY

- Strakhov, N. N. [Origin of state and law; summary of  
lectures] Voznikoveniye gosudarstva i prava; konspekt  
lektsei. Khark'kov, Khark'kovskii lurid. in-t, 1935. 44 p.  
(Na pravnykh rukopisakh)  
(CSU-H)

## CONSTRUCTION EQUIPMENT

- (see also subdivision under France, Leningrad;  
Stavropol, Volga Hydroelectric Power Station  
(22d Congress of the CPSU))  
Eliminate deficiencies in supplying complete sets of  
equipment to projects in their final stages of construc-  
tion S. Sokolov. Mat. i tekhn. snobzh. 1 no 4 57-62  
O '66.  
Establishing an index of building and road machines.  
A. Ia Gurevich, Stroitel. dor. mash. 6 no 12 23-25  
D '61.

- A matter of state importance S. Rovenchik. Na stroi-  
tel. Ros. 5 no 1 1-5 Mi '61

- New machines at the Exhibition of Achievements of the  
National Economy of the U.S.S.R. A. S. Sitenchuk  
Stroitel. dor. mash. 6 no 12 29-31 D '61.

- Sokolov, K. A., ed. [Manual for operators of machines,  
engaged in transport construction] Spravochnik mekha-  
nika i transportnogo stroitel'stva. Izd. 2., pererab. dop.  
Moskva, Transport, 1960, 639 p.

- Vorob'ev, D. A., and V. M. Sakharov. [Ruberoide machi-  
nery, a survey] Ruberoidnye agregaty; obzor. Moskva,  
NII Informatsii stroitel'stva i kommun. inzh. 62 p.  
(Seriya 2. Obnovleniye dlia promyshlennosti stroi-  
tel'nykh mater'ialov)

- What efficiency promoters show and tell. Inform. biul.  
VDNKH no 1 38-40 Ja '67.

## CONSTRUCTION EQUIPMENT—BIBLIOGRAPHY see Bibliography—Construction equipment

## CONSTRUCTION EQUIPMENT—CLEANING

- Cleaning and polishing of mold units. P. Makhmina, Na  
stroitel. 1 no 1 26 Mi '61.

## CONSTRUCTION EQUIPMENT—HYDRAULIC DRIVING

- Winter oil for hydraulic drive construction machinery.  
V. A. Veremeev, M. L. Gubanov, S. E. Rovkakh. Trudy  
stroitel. 1 no 3 50-51 Mi '66.

## CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR

- (see also subdivision under Kataganda Province)  
Give special attention to operation of construction ma-  
chinery and mechanisms. V. S. Shumakov. Prom. p-  
stroi. 16 no 1 31 Mi '66.  
Reconditioning of worn parts by cast-iron powder.  
P. Makhmina. Na stroitel. 1 no 7 10-11 Ji '61.

## CONSTRUCTION INDUSTRY

- (see also subdivision under Chita; Leningrad; Moscow,  
Rudnyy, Kazakhstan, Soviet Far East; Tashkent;  
Ulyanovsk; Uzbekistan; Volzhskiy, Volgograd Province,  
White Russia, Yoshkar-Ola)  
Brief news. Transp. stroi. 16 no 1 62-61 Mi '66  
Brief news. Transp. stroi. 16 no 1 62-63 Ap '66.  
Determining economic efficiency of specialization of  
plants producing structural elements. B. I. Belikov  
Prom. stroi. 11 no 12 5-9 '66.  
Development of the international scientific ties of the  
Academy planned for 1967 P. M. Korotchenko. Izv. Vuz  
no 3 136 '61  
Great 50th anniversary. S. Andrianov. Stroitel. i arkht.  
15 no 1 1-4 Ja '67

- Highly important construction projects are the destruction  
of the members of the Komsomol. Mol. komm. no 10,  
16-19 '66

- Honored innovator of the Georgian S. S. N. R. E. Zin'chuk.  
Transp. stroi. 16 no 4 33 Ap '66.

- In the Executive Committee of the Leningrad Soviet.  
Stroitel. i arkht. 16 no 1 36 Ji '66.

- In the Ministry of Construction of the R. S. F. S. R. Na  
stroitel. 7 no 12 29 D '66.

- In the Presidium of the Academy. I. I. Gamze. Izv.  
ASIA no 3 124-126 '61.

- In the State Committee on Construction of the R. S. F. S. R.  
Na stroitel. 1 no 3 10 Mi '61

- In the State Committee on Construction of the R. S. F. S. R.  
Na stroitel. 4 no 7 31 Ji '63

- In the State Committee on Construction of the R. S. F. S. R.  
Na stroitel. 1 no 8 31 Ap '63.

- In the State Committee on Construction of the R. S. F. S. R.  
Na stroitel. 1 no 8 31 Ap '63.

- In the State Committee on Construction of the R. S. F. S. R.  
Na stroitel. 5 no 1 31 Mi '61

- In the State Committee on Construction of the R. S. F. S. R.  
Na stroitel. 7 no 12 28 D '66.

- In the State Committee on Municipal Construction and  
Architecture attached to the State Committee on Con-  
struction of the Council of Ministers of the U.S.S.R. i  
Arkht. SSSR no 1 62 '67

- Increasing the effectiveness of capital investments is the  
most important problem for workers in industrial  
construction Prom. stroi. 19 no 12 2-4 '61.

- Institute of higher learning proposes to builders.  
Inform. biul. VDNKH no 12 37-38 D '66.

- Institute of the Organization, Mechanization, and Techni-  
cal Assistance for Construction organization of large-  
panel construction methods for a residential block in  
Riga R. N. Avstushtatn. Izv. ASIA no 3 128-130  
'61

- Our information department. Transp. stroi. 16 no 1,  
61 Mi '66.

- Our information department. Transp. stroi. 16 no 1 61  
Ap '66.

- Searching for better solutions. Dmitrii Mikhlov. Na  
stroitel. 4 no 8 10 Ag '63

## CONSTRUCTION INDUSTRY—ACCOUNTING

- (see also subdivision under Stavropol)  
In the Methodological Council. Bakhg. ucheb. no 12 68-  
63 D '66.

## CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

(see also subdivision under Kiev)

Tasks of the departmental financial control. A. Mityukov. *Stroitel'stvo* no. 12-9-11 D '66

## CONSTRUCTION INDUSTRY—BIBLIOGRAPHY see Bibliography—Construction Industry

## CONSTRUCTION INDUSTRY—CONGRESSES

High quality of fully-precast apartment houses to highest level. *Stroitel'stvo* no. 28 no. 12-11 D '66

## CONSTRUCTION INDUSTRY—COSTS see subdivision under Kazakhstan

## CONSTRUCTION INDUSTRY—EQUIPMENT AND SUPPLIES

Economic use of materials in construction. D. Bukhtin, I. Zhukovskii. *Mat.-tekh. snabzhenie* no. 1 no. 1-60-70 D '66

New exhibits. I. I. Zolotareva. *Mekh. stroit.* no. 23 no. 12-21 D '66

These should be introduced. *Prom. stroit. i inzh. sci.* no. 8 no. 6-7-10 N-D '66

What hindered procurement service and the making of complete sets of supplies needed by construction. I. Dvorygin. *Ekonom. stroit.* no. 9 no. 1-5-7-9 Ja '67

## CONSTRUCTION INDUSTRY—FINANCE

(see also subdivision under Chikmagi; Moscow; Sverdlovsk)

Determining production capacities of general building units. B. A. Balakun. *Transp. stroit.* no. 16 no. 4-33-37 Ap '66

Expenses in financing construction by stages on the basis of network schedule graphs. V. M. Gusev, A. S. Pukhalskaya. *Stroitel'stvo* no. 28 no. 12-14 D '66

For economizing materials and monetary funds. I. N. Gromov. *Transp. stroit.* no. 16 no. 3-1-2 M '66

Guidelines for problems of comparing estimated costs and for calculations of completed construction and assembly operations. *Na stroit. Ros.* no. 12-12 D '66

Kaplan, L. M. [Economics of construction organizations under the conditions of paying for the construction project as a whole]. *Ekonomika stroitel'nykh organizatsii v usloviyakh ischisleniya za ob'ekt v isloim*. Moskva, Stroizdat, 1967, 174 p.

Let's use capital investments efficiently. *Bel. i zhel.-bet.* no. 12-520-530 D '61

A new concept of the products of construction. V. Gusev. *Fin. SSSR* no. 10 no. 12-15-16 D '66

Real and apparent costs in construction. L. S. Ralova. *Stroitel'stvo* no. 28 no. 11-18-19 Ja '67

Shchekova, T. A. [Financing and issuing credit for capital investments, a collection of problems]. *Finansirovaniye kreditovaniye kapital'nykh vlozhenii, shchitki zadach*. Moskva, Finansy, 1968, 133 p.

## CONSTRUCTION INDUSTRY—LABOR PRODUCTIVITY

Scientific organization of labor is an important reserve for raising labor productivity. L. A. Gankhev. *Mekh. stroit.* no. 23 no. 12-1-1 D '66

## CONSTRUCTION INDUSTRY—LAW AND LEGISLATION

Regulation on economic services. *Ekonom. stroit.* no. 9 no. 67-71 Ja '67

## CONSTRUCTION INDUSTRY—MANAGEMENT

(see also subdivision under Armenia; Donetsk Basin; Kazakhstan; Khabarovsk; Leningrad; Orel Province; Riga; Sverdlovsk; Ukraine; Ulyanovsk)

According to new system of planning and economic incentive. I. E. Mamontov. *Stroitel'stvo* no. 29 no. 1-15-17 Ja '67

Annual survey year plan. *Ekonom. stroit.* no. 9 no. 1-2-11 Ja '67

Continuous construction methods in building housing complexes. Ch. I. I. I. *Na stroit. Ros.* no. 12-116-17 D '66

Demonstrative results. I. Feldman, V. Pokina. *Na stroit. Ros.* no. 12-10-11 D '66

Determining optimal length of time for rebuilding shops. V. A. Bolshakov. *Prom. stroit.* no. 44 no. 12-17-19 '66

Dispatching service of a trust. S. V. Voshchuk. *Ekonom. stroit.* no. 9 no. 1-29-30 Ja '67

Economic experiments as a method of scientific study. *Ekonom. stroit.* no. 9 no. 1-55-59 Ja '67

Economic grounds for reducing the number of standard steel structural elements. A. M. Likhtarnikov. *Prom. stroit.* no. 44 no. 12-10-12 '66

Effect of economic work. *Na stroit. Ros.* no. 12-22 D '66

Efficient reorganization, careful preparation and a businesslike approach. K. Sholkovskii. *Sots. trud.* no. 12 no. 2-9-93 P '67

Experience gained from the work of mobile task forces. I. A. Sukhachov. *Mekh. stroit.* no. 23 no. 12-6-8 D '66

Experience in using norm methods of planning and accounting. M. D. Kotzishinski. *Transp. stroit.* no. 16 no. 3-35-37 M '66

Experience of advanced integrated brigades. A. Korbut-Smirnov. *Na stroit. Ros.* no. 4 no. 8-11-13 Ag '63

Gurevich, D. E. [Organization of subunit (preparatory) operations using completely mechanized sectors, experience of the "Mosfundamentstroi" trusts Nos. 1 and 3 of the Glavmossstroia]. *Organizatsiya i kontrolirovaniye (nuzhno) tsikh sluzhby kompleksno-mekhanizirovannykh uchastkov, opyt trusts "Mosfundamentstroi"*. No. 113 Glavmossstroia Moskva, Stroizdat, 1965, 27 p.

## [MICROFILM]

Organize labor in construction on a scientific basis. I. A. Novikov. *Stroitel'stvo* no. 28 no. 7-1-3 D '66

Raise quality of construction. *Na stroit. Ros.* no. 12-1 D '66

Resources and network schedule graph. G. Korotkovskii. *Na stroit. Ros.* no. 12-3-4 D '66

System of management and material incentives in lower echelons of construction organizations. I. U. Foktorevich and others. *Na stroit. Ros.* no. 12-7-8 D '66

Ways of improving and mechanizing administrative operations. P. Bulycheva. *Na stroit. Ros.* no. 12-11-12 D '66

Ways of lowering labor expenditure in construction. B. Zharkov, D. Gurevich. *Stroitel'stvo* no. 13 no. 7-10-12 M '66

Zenkov, I. S., and M. I. A. Rusakov. [Economics of construction]. *Ekonomika stroitel'stva*. Moskva, Vysshaya shkola, 1967, 358 p.

## CONSTRUCTION INDUSTRY—PRODUCTION METHODS

Introduction of new technology in the duty of all construction. N. Kurek. *Na stroit. Ros.* no. 5 no. 3-1-2 M '61

## CONSTRUCTION INDUSTRY—PRODUCTION STANDARDS

(see also subdivision under Chikmagi)

Public inspectors of the quality of construction. *Na stroit. Ros.* no. 5 no. 3-32 M '64

## CONSTRUCTION INDUSTRY—QUALITY CONTROL see subdivision under Cherepovets (Vologda Province)

## CONSTRUCTION INDUSTRY—SCHEDULING

(see also subdivision under Ukraine)

Consolidated network schedule graph at the planning work stage. M. S. Mogilevskii, M. G. Bakhtmetova. *Stroitel'stvo* no. 7 no. 12-10-15 D '66

Instruction in use of network schedule graphs in construction management. Lesson 7. Constructing network schedule graphs in time coordinates. *Na stroit. Ros.* no. 12-23 D '66

Kiselev, R. P., and M. B. Egorov. [Using the system of network planning and management in construction, methodological instructions]. *Primeneniye sistem setevogo planirovaniya i upravleniya v stroitel'stve, metodicheskie ukazaniya*. Moskva, Ekonomika no. 2 1966 28 p. chart (insert)

Preparing graphic models for optimal planning of work schedules. I. U. V. *Na stroit. Ros.* no. 12-5-8 D '66

Standardized network schedule graph for building grain elevator complexes. I. U. Gusev, S. Klimov, A. Kormishov. *Na stroit. Ros.* no. 12-2-3 D '66

Use of network schedule graphs in planning. E. A. Gorodskikh, V. I. Sorokin. *Stroitel'stvo* no. 7 no. 12-15-17 D '66

## CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see also subdivision under Latvia)

Technological progress in construction. P. Bakuma. *Ekonom. stroit.* no. 9 no. 1-12-15 Ja '67

## CONSTRUCTION WORKERS

(see also subdivision under Bashkiriya; Ufa)

Bukharov, M. S. [Aleksel Anokhin and his comrades]. *Aleksel Anokhin i ego tovaristvi*. Ufa, Bashkirskoe knizhnoye izd-vo, 1962, 67 p.

It is your duty, constructor. *Na stroit. Ros.* no. 4 no. 8-1 Ag '63

Polakov, A. V. [Proud dynasty]. *Goroda dinstii*. Frunze, Kirgizgostzdat, 1962, 58 p. (Chelovek slaven svoim trudom)

## CONSUMERS' PREFERENCES see subdivision under Kainaganda Province

## CONSUMPTION (ECONOMICS)

(see also subdivision under Kazakhstan)

Social and organizational forms of consumption and the sources of their development. L. A. Daltonak. *Vestnik AN BSSR, Ser. hum. nav.* no. 4 25-30 '66

Strides of the five-year plans; production and sale of goods. R. Pan'ashin. *Sov. tovg.* no. 12-32-36 D '66

## CONTAINERS

Closed metal vessel for storing, transporting and the induction heating of tar and other viscous materials. T. N. Levin. *Sbor. izobr. v ryb. prom.* za 1961 g., 109

Dismountable container. F. E. Kostinok, G. V. Larikov. *Sbor. izobr. v ryb. prom.* za 1961 g., 103-04

Golikhov, E. N., and E. A. Razvarin. [Special-purpose containers and their use]. *Spetsial'nye konteynery i ikh primeneniye*. Leningrad, 1966, 36 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Prolivodstvennyi opyt. Seriya: Mekhanizatsiya i avtomatizatsiya transportnykh i skladekikh rabot v promyshlennosti)

Unit for cleaning and washing barrels, tubs and other similar containers. D. M. Poltakov. *Sbor. izobr. v ryb. prom.* za 1961 g., 61-66

## CONTINENTS

How many continents are there on the earth? P. S. Vozdnyy. *Iz. Vuz. prom. obshch. nauch. i tekhn. sci.* no. 6 50-51 D '66

## CONTINUOUS CASTING

(see also subdivision under Bezhtsa, Bryansk Province)

Diagram for synchronizing the speed of steel casting and rolling. A. I. Kuznetsov, A. I. Karlov. *Sbor. trud. TSNIICHI* no. 41 154-158 '66

Using 80-ton electric furnaces in the making and continuous casting of tin and steel. G. M. Itskovich and others. *Stal'* no. 22 no. 5 420-425 M '62

## CONTINUOUS CASTING—EQUIPMENT AND SUPPLIES

Measures for increasing the shifting of half-melt molds on machines of continuous casting. M. N. Shchegolev, A. I. Nikov. *Sbor. trud. TSNIICHI* no. 41 159-166 '66

## CONTINUOUS FUNCTIONS see Functions, Continuous

## CONTRACTS

Iakovleva, E. M. [Development of contractual relations in the state industry of the U.S.S.R. for supply and delivery, 1917-1937]. *Razvitie dogovornykh svyazey gosudarstvennoi promyshlennosti SSSR po snabzheniyu i sbytu, 1917-1937 g.*. Dushanbe, Ifron, 1963, 445 p. (CSI-II)

## CONTRACTS, AGRICULTURAL

The contractual agreement is a yardstick of mutual relations. *Zakup. sel'khoz. prod.* no. 8 1-17 Ag '66

Figures must be practical. I. Kondratov. *Zakup. sel'khoz. prod.* no. 12-9-10 D '66

## CONTRACTUAL PENALTIES see Penalties, Contractual

## CONTRAST MEDIA

Branchographic method using aqueous solutions of contrast media. A. I. Gerasimov. *Zhur. ush. i gor. del.* no. 19 no. 4 68-70 J1-Ag '59

## CONTROLLERSHIP, COMMUNIST see Auditing and Inspection

## CONVERGENCE

Overconvergence of a sequence of polynomials of best approximation. R. A. Litvin. *Ukr. mat. zhurn.* no. 19 no. 1 98-102 '67

Rate of convergence of orthogonal series. V. A. Andrienko. *Vest. Mosk. un. Sci. i Mat., mekh.* no. 22 no. 1-17-24 Ja-P '67

## CONVERTERS

Kudrina, A. P., and G. F. Gul'ev. [Refractories for oxygen-blown converters]. *Ogneupory dlya kislorodnykh konvertirov*. Moskva, Metallurgiya, 1966, 143 p.

## CONVEX SURFACES

Uniqueness theorem on closed convex analytic surfaces of n-dimensional space. A. H. Medvedev. *Dop. AN USSR* no. 12 1527-1530 '66

## CONVEYING MACHINERY

(see also subdivision under Caucasus, Northern)

Advantage of part conveying on a vibratory chute having an elliptic principle of vibration. A. T. Mikhov, N. I. Makarov. *Vest. mashinost.* no. 47 no. 1 40-41 Ja '67

Attaching conveyor belts to reinforced concrete gallery floors. A. Kazai. *Prom. stroit. i inzh. soor.* no. 6 7-8 N-D '66

Determining optimal step for conveying parts of a re-adjusted automatic line. O. C. Bursov, V. S. Lyachenko. *Tekhn. mashinost.* no. 1 116-123 '66

Device for conveying cylindrical articles, mainly glass cans. U. A. Mermlov. *Sbor. izobr. v ryb. prom.* za 1961 g., 86-87

Device for removing glass cans from a forked transporter and transferring them to the transporter of a processing machine. G. I. Klimenko. *Sbor. izobr. v ryb. prom.* za 1961 g., 80-81

Overhead rope conveyor. A. V. Zhoiner. *Blut. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* no. 11 66-67 N '66

Quality of stacking logs in collectors. A. P. Mazurenko. *Izv. vys. ucheb. zav. i les. zhurn.* no. 9 no. 6 67-72 '66

Screw-conveyor production methods. I. K. Pavlov, A. T. Shirokov, V. S. Starovolt. *Stroitel'stvo mashin* no. 12-26-27 D '61

Self-regulating roller supports. V. N. Kazakov. *Koks i khim* no. 7 51-52 '62

Studying the speed systems of the conveyors of automated bucking installations. N. A. Gutselluk, P. V. Lastochkin. *Les. bum. i der. prom.* no. 3 134-138 '66

Studying unsteady dynamic processes in conveyors with two-speed drive. N. A. Gutselluk, P. V. Lastochkin. *Les. bum. i der. prom.* no. 3 138-145 '66

Unit for lifting, turning, and conveying parts. N. P. Blankov. *Avi. prom.* no. 32 no. 12-14 D '66

## CONVEYING MACHINERY (Continued)

Using overhead type conveyors L. V. Berg. *Buil'tekhn. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 11:67-84 '66

Vertical vibrating conveyor lifts. V. K. Dzhel'dov. *Tsvet. met.* 33 no. 3:15-19 '66

## CONVEYING MACHINERY—DESIGN AND CONSTRUCTION

Calculating the performance of accept, pitching and vertical high speed screw conveyors transporting loose materials. V. P. Zheltov, V. M. Gerasimov. *Izv. vuz. ucheb.-zav. gos. znan.* 8 no. 10:116-120 '66

Determining the intake of resonant vibration conveyors with motor drive. S. I. Liskhovitskiy, I. I. Vichukov. *Gos. elektromekhn. i avtom.* no. 18:2-86 '65

## COOKERY (CEREALS)

Buckwheat. M. Gurevich. *Zhup. sel'khoz. prod.* no. 8:50-51 '66

## COOKIES

New method of preparing emulsions for sugar cookies. M. L. Antokolskaya, M. M. Istomina, L. I. Iokhalev. *Trudy VNIIE* no. 17:1-62 '66

Universal line for the production of cookies. V. D. Gnatukh. *Khleb i kond. prod.* no. 12:38-39 '66

## COOLING TOWERS

Consideration of temperature conditions in the design of hyperbolic reinforced concrete cooling towers. A. A. Bulatov, I. D. Sukhov. *Engng. str.* no. 7:80-84 '66

## COOLING TOWERS—DESIGN AND CONSTRUCTION

Increasing the durability of structures of concrete cooling towers. S. Simkhovich. *Nat. st. Ros.* 4 no. 7:15-16 '66

## COOPERATIVE AGRICULTURE see Agriculture, Cooperative

## COOPERATIVE EDUCATION see Education, Cooperative

## COOPERATIVE SOCIETIES

Izbitskiy, L. M. [Auditing and control in consumer cooperatives] *Réviszia i kontrol' v potrebiteľ'skoi kooperatsii*. Moskva, Ekonomika, 1966. 311 p. (MI-L)

Problems for the development of cooperative baking. G. V. Suvorov. *Khleb i kond. prod.* no. 12:6-9 '66

Reorganization in the consumer's cooperatives of the USSR. V. M. Zharovskiy. *Khleb i kond. prod.* no. 12:1-6 '66

## COOPERATIVE SOCIETIES—FINANCE

Vardieva, K. I. [Problem book on the financing and crediting of Soviet consumer cooperatives] *Zadachnik po finansirovaniyu kreditovaniyu sovetskoi potrebitel'skoi kooperatsii*. Moskva, Izd-vo TsSU i oslozha, 1962. 118 p. (InU)

## COOPERATIVE SOCIETIES—LAW

Practice in supervising the observance of laws by consumer's cooperatives. M. V. Vasinov. *Sots. zakon*, no. 2:56-57 '66

## COOPERS AND COOPERAGE see subdivision under Riga

## COORDINATION COMPOUNDS

Formation of coordination compounds in binary systems of all metal halide -  $\alpha$ -element halide. D. V. Korotkov, A. I. Efimov. *Probl. sov. khim. kond. soed.* no. 1:215-217 '66

Heats of formation of some coordination compounds formed in the systems  $PtCl_2 - NiCl_2$  and  $TiCl_2 - NaCl$ . B. N. Podgorov, I. V. Vasil'kov, R. A. Sandler. *Zhurn. neorg. khim.* 12 no. 1:4-37 '67

Kinetics of aquation of trans-dichlorodithylenediamine. I. U. Bulatshko, I. U. P. Nazarenko, 32 no. 11:1154-1159 '66, on the light of concepts of the role of chemistry of elements of main sub-nucleic system. S. A. Shechukayev, *Kond. soed.* no. 1:5-27 '66.

## MBER

Effects of weak electrolytes as dependent  $H_2O$  solvent. M. A. Styrikovich, O. L. Mingutina. *Dokl. AN SSSR* 171 no. 4

division under Degtyarskoye

Impurity on the surface and structure in the electrolysis of sulfuric acid. Znamenskiy, V. V. *Kardashevskiy, ur. prikl. khim.* 34 no. 6:1298-1305

on the corrosion rate of anodized aluminum and the concentration. Ios. T. V. Matveyeva, M. N. Tlukina, *ur. prikl. khim.* 33 no. 6:1365-1367

## S

determination of copper and iron in. Ja. V. K. Chebotarev, T. M. Kozlova, *l.-zhil. prom.* 33 no. 1:38-39

## COPPER—METALLOGRAPHY

Calculating the rate of diffusion growth of a precipitate. V. I. Lashov, V. A. Solov'yev. *Gra. met. i metallogr.* 22 no. 6:865-870 '66

## COPPER—METALLURGY

Cyclone smelting of copper sulfide concentrates. V. V. Tikhonov and others. *Tsvet. met.* 33 no. 3:20-28 '66

## COPPER—PHYSIOLOGICAL EFFECT

Effect of copper on absorptive ability of small intestine in sheep. R. S. Anupya. *Trudy Inst. fiziol. AN Kazakh SSR* 10:119-122 '66

## COPPER—SPECTRA

Studying some characteristics of excitation of copper spectral lines in hollow-cathode discharge. P. P. Ostromenko. *Zhurn. prikl. spekt.* 5 no. 5:581-585 '66

## COPPER ALLOYS—ELECTRIC PROPERTIES

Heat resistant copper alloys low in addition elements with high electric conductivity. A. M. Korotkov, E. V. Bezus, L. M. Gurevich. *Izv. AN SSSR Met.* no. 1:150-155 '66

## COPPER ALLOYS—THERMOELECTRIC PROPERTIES

Effect of copper on the thermoelectric efficiency parameter. G. V. Rafin. *Izv. vuz. ucheb. zav. fiz.* no. 6:28-35 '66

## COPPER ALUMINATE CRYSTALS—DEFECTS

Anomalous increase of the diffuse background in  $\alpha$ -CuAl. A. A. Katsnel'son, G. P. Revyevich. *Vest. Mosk. un. Ser. 3: Fiz. i astr.* 21 no. 6:106-107 '66

## COPPER CATALYSTS

Catalytic oxidation of cyclohexylhydrazine in presence of complex compounds of divalent copper. N. B. Shitova, K. I. Matveyev, M. M. Dantlova. *Kin. i kat.* 7 no. 6:295-298 '66

## COPPER COMPOUNDS

Changes in electron paramagnetic resonance spectra of polychelate compounds of copper as a result of thermal treatment. G. T. Gerasimova, V. F. Amurinskaya, N. P. Keiser. *Kin. i kat.* 7 no. 6:1078-1080 '66

Structure of anhydrous copper nitrate. A. V. Ablov, I. U. Simonov, T. I. Matinovskiy. *Dokl. AN SSSR* 171 no. 1:54-55 '67

## COPPER COMPOUNDS—SPECTRA

Calculation of ultraviolet and visible spectra of copper acetylacetonate. V. I. Andreev, I. I. Zakharenko. *Tsvet. i eksp. khim.* 2 no. 5:50-55 '66

## COPPER FERROCYANIDE

Effect of solution concentration and anions on cation exchange of copper ferrocyanide. I. V. Kizhikov, I. I. Kabanov. *Vest. LGU* 21 no. 2:141-145 '66

## COPPER-IRON ALLOYS see Iron-copper alloys

## COPPER MINES AND MINING see subdivision under Congo (Kinshasa)

## COPPER-NICKEL-COBALT ALLOYS—METALLOGRAPHY

Deformation of single crystals of aging Cu-Ni-Co alloys with various structural configurations. G. L. Nosova, N. T. Travina. *Izv. AN SSSR, Met.* no. 1:191-206 '66

## COPPER-NICKEL-ZINC ALLOYS—METALLOGRAPHY

Studying ordering in ternary system alloys. B. G. Lavitskiy, L. P. Chupratova, A. S. Lukov. *Izv. vuz. ucheb. zav., tekhn. met.* 10 no. 1:123-127 '67

## COPPER ORES

(see also subdivision under Dzherkazgan region, Kazakhstan)

Use of QIR-3 diffractometer for morphological studies of crystals. K. P. Ivanov, L. A. Khosolova. *Zap. Vses. min. ob-va* 95 no. 6:755-757 '66

## COPPER OXIDES

Bond energy of oxygen in the surface layer of cupric oxide as determined by means of adsorption calorimetry. V. E. Ostrovskiy, N. N. Dobrovolskiy. *Dokl. AN SSSR* 172 no. 3:610-610 '67

## COPPER PLATING

Rozovskiy, G. I., and A. I. Vashchitskiy. [Electrodeless copper plating] *Khimicheskoe medienje*, Red. A. I. Prokopenko, Vilnius, In-t khimii i khimicheskoi tekhnologii Akad. nauk Litovskoi SSR, 1966. 56 p.

## COPPER PLATING—EQUIPMENT AND SUPPLIES

Improving acid electrolyte for copper plating. M. I. Termer, A. N. Shuvalova, M. S. Alab'eva. *Tekhn. i org. prom.* no. 6:65-66 '66

## COPPER-TIN ALLOY PLATING

Selection of surface-active additions for copper-tin alloy electroplating. I. U. E. Getenrot, A. P. Fichis. *Ukr. khim. zhurn.* 32 no. 11:1243-1249 '66

## COPPER-ZINC ALLOYS—METALLOGRAPHY

Structural examination of reactive diffusion in the copper-zinc system. V. I. Arkhov, V. A. Kartina, A. V. Sazonov. *Izv. met. i metallogr.* 22 no. 1:50-59 '66

## COPTIC LANGUAGE—CLAUSES

Characteristics of the subordinate clauses of the Coptic language. A. I. Iankala. *Palest. stud.* no. 15:28-34 '66

## COPYING PROCESSES

Nikol'skiy, I. U. V. [Irrigation construction: drawing up and duplicating planning and estimates records] *Irrigatsionnoe stroitel'stvo, oformlenie i razmnozhenie proektno-smeknoi dokumentatsii*, Moskva, Gosstatkhizdat, 1965. 130 p.

## COR PULMONALE

Cor pulmonale in adiposity (Pickvickian syndrome). U. U. Kogan, I. G. Danilov, P. M. Zhecheval. *Izv. vuz. med.* no. 10:81-86 '66

Morphological data on the problem of cor pulmonale in tuberculosis. A. A. Birkun. *Probl. tub.* 11 no. 1:1-11 '66

## CORALS, FOSSIL see subdivision under Donetz Basin, Novaya Zemlya, Taymyr Peninsula

## CORE DRILLING

Harmful effect of clay mud in core drilling for water. I. S. Rusanov. *Ra. vid. i tekhn. med.* 26 no. 8:14-21 '66

New method of recovering a full core of loose rocks. N. P. Gligorova. *Ra. vid. i tekhn. med.* 26 no. 8:22-23 '66

## CORES (ELECTRICITY)

Mokhele, L. L., and N. N. Smirnova. [Static and dynamic parameters of small cores from 79NM alloy steel with a thickness of 20] *Staticheskie i dinamicheskie parametry malolozhnykh serdchukov iz spetsial'nykh splyavov 79NM tolshechin 20 mk.* Moskva, 1965. 23 p.

## CORIANDEER

Effectiveness of accelerated renovation of coriander stands. A. N. Dorozhkin, T. G. Pyshtikova. *Med. i zh. prom.* 49 no. 10:32-33 '66

For improved production of coriander seed. I. A. Savchenko. *Med. i zh. prom.* 49 no. 11:41-42 '66

## CORMORANTS see subdivision under Kamchatka

## CORN (MAIZE)

(see also subdivision under Altai Territory; Chukotka Province; Khabarovsk Krai; Krasnodar Krai; Kurgan Province; Orenburg Province; Simferopol')

The key in abundance of livestock products. V. D. Loshakov. *Mol. korm.* no. 6:92-97 '66

Results of the commercial testing of processing varieties of corn seeds with Cyl-37 gamma rays. M. M. Bezrukov, I. I. Korneeva, R. R. Ritz-Zad. *Radi. i biol.* 2 no. 1:13-19 '66

Use of VP-1 and VP-2M moisture meters for measuring the moisture content in grain and soil. P. D. Khim. *Mek. i elev. prom.* 26 no. 3:20-21 '66

White grain dist. corn as valuable raw material for food industry. G. I. Shumakov, D. M. Akol, *Med. i zh. prom.* no. 11:15-19 '66

## CORN (MAIZE)—DISEASE AND PEST RESISTANCE

Immunization of corn against common smut. L. A. Gerasheva. *Trudy KISKIM* 50:66-69 '66

## CORN (MAIZE)—DISEASES AND PESTS

Controlling click beetle and wireworms in corn fields. P. M. Mamon. *Trudy KISKIM* 55:47-52 '66

## CORN (MAIZE)—DRYING

Mobile machine for drying corn on the cob. S. S. Kiselev. *Mek. i elev. prom.* 26 no. 3:22 '66

System for automatic control of burners at the drying plant for the treatment of hybrid and certified corn seed. D. Murzin. *Mek. i elev. prom.* 26 no. 1:21-22 '66

## CORN (MAIZE)—FERTILIZERS AND MANURES see subdivision under Kuban

## CORN (MAIZE)—GENETIC RESEARCH see subdivision under White Russia

## CORN (MAIZE)—IRRIGATION

(see also subdivision under Kazakhstan; Volga Valley) Productive varieties and hybrid corn for irrigated lands. G. I. Shumakov, S. V. Kuznetsov. *Vest. sel'khoz. nauch. i zh. prom.* 49 no. 12:27-32 '66

## CORN (MAIZE)—STORAGE

Methods for accountings in corn threshing operations should be changed. I. Bernshteyn. *Mek. i elev. prom.* 26 no. 3:21-22 '66

## CORN (MAIZE)—VARIETIES

(see also subdivision under Baku Province)

**Golodkovskii, V. L.** [Systematics of corn, Zea mays L., origin, geographical distribution, classification, and description of varieties]. *Sistematika kukuryzy, Zea mays L., prirokozheniye, geografiyecheskoy raspredeleniye, sistematika i opisanie sortov*. Tashkent, Fan, 1966, 189 p. (DNL1)

## CORN AS FEED

Effect of corn silage on physiological state and digestion during dry cow period. B. N. Nikitin. *Trudy Inst. biol. AN Kazakh SSR* 10: 3-13 '66

## CORN OIL

Effect of prolonged consumption of butter and corn oil on lipid cholesterol content in rat blood serum. A. A. Verbitskii. *Vopr. pit.* 29: no. 6: 76-77 N-D '66

## CORN PRODUCTS

Alcohol treatment on the manufacture of canned and concentrated corn products. P. G. Gornik. *Kons. i k. prom.* 17: no. 3: 13-15 Mar '67

Changes in the physical and chemical properties of heated and dried corn grains during conditioning. L. F. Kozlov. *Kons. i k. prom.* 99: no. 1: 15-17 Jan '67

## CORNCOBS

Hydrolysis of corn cobs by means of percolation with diluting flows. R. I. Ushakovskii, L. I. Kozlovskii. *Shch. trudy. NIIS* 11: 10-11 '65

## CORONARY HEART DISEASE

Changes in plasma albumin reserve and true urinary excretion in chronic coronary insufficiency during various stages. A. D. Khatamov. *Shch. trudy. NIIS* 11: 10-11 '65

Changes in the vector cardiogram in coronary insufficiency. V. S. Gerasimov. *Kardiologiya* 3: no. 1: 30-38 Jan '67

Comparative evaluation of therapeutic methods in coronary disease. A. I. Kuznetsov. *Trudy I.P.M.* 37: 124-129 '65

High cholesterol test and C-reactive protein in the diagnosis of coronary disease. O. D. Gilevskaya. *Trudy I.P.M.* 37: 72-76 '65

Effect of "depression" on coronary flow volume, oxygen metabolism by myocardium and E-wave of electrocardiogram. M. I. Kozhukhova. *Shch. AN Gruz. SSR* 43: no. 3: 785-789 D '66

On objections to the surgical treatment of chronic coronary insufficiency by bilateral ligation of the lateral thoracic arteries. P. N. Mikhailov and others. *Kardiologiya* 1: no. 1: 77-89 Jan '67

Silver syndrome in the clinical aspects of coronary insufficiency. V. D. Leonov. *Sov. med.* 29: no. 10: 89-93 Oct '66

Some hemodynamic indices in patients with coronary insufficiency. V. A. Malashov. *Kardiologiya* 1: no. 1: 20-24 Jan '67

Treatment of coronary insufficiency with retrosternal block of a paravertebral effect. I. I. Nersisyan, M. B. Fornell. *Shch. trudy* 29: no. 1: 61-65 N '66

Use of nitroglycerin in the treatment of coronary atherosclerosis. V. S. Zolotarevskii. *Sov. med.* 30: no. 1: 77-81 Jan '67

## CORONARY VESSELS—DISEASES

Combination of lesions of the carotid and coronary arteries. P. Z. Ustinova, P. I. Dugo. *Zh. nev. i psikh.* 62: no. 11: 1615-1617 '62

## CORONARY VESSELS—INNERVATION

Neural regulation of the tone of coronary vessels. M. A. Komaritsky, M. M. Pozharov. *Izvestiya Akad. med. 63: no. 1: 3-6 Jan '67*

## COMPULSION

Cor pulmonale in adiposity (Pickwickian syndrome). B. D. Kogan, L. G. Danilchik, P. M. Zolotarevskii. *Sov. med.* 29: no. 10: 81-86 Oct '66

## CORRELATION (STATISTICS)

Correlation method in the analysis of the factors of labor expenditure and means of agricultural production. A. A. Bagdasarian, N. T. Lyubchenko. *Vest. sel'khoz. nauk* 11: no. 12: 112-118 D '66

Correlation study of the effectiveness of specialization in a particular type of goods in the footwear industry. V. A. Afanas'ev, T. A. Gilyazova. *Izv. vys. ucheb. zav., tekhn. k. prom.* no. 6: 10-17 '66

Statistical indices and indices in traumatism. A. G. Fridman. *Bezp. truda v prom.* 11: no. 1: 10-21 Jan '67

Use of correlation analysis data in a linear programming problem. I. A. Buzilevich. *Ekon. i mat. metod.* 3: no. 1: 81-87 Jan '67

Use of the correlation method in determining the profitability level of lumbering enterprises. N. I. Kokarov. *Les. bui. i der. prom.* no. 3: 103-108 '66

Using the multiple correlation method for evaluating the efficiency of the intensification and concentration of mining operations. V. B. Sivyl, Ugol' 37: no. 12: 43-45 D '62

## CORRESPONDENCE SCHOOLS AND COURSES

(see also subdivision under Sverdlovsk)

Elements of physics in an algebra course in the 7th-8th grades of correspondence schools. - I. P. Avdeyev. *Vest. sel. shkoly* 4: no. 5: 51-53 S-O '66

Elementary reading in correspondence schools. V. M. Nonglik. *Vest. sel. shkoly* 9: no. 5: 76-79 S-O '66

Highly qualified specialists are trained here. B. Almazov. *Med. spets. obr.* 13: no. 7: 23-25 JI '66

## CORROSION AND ANTICORROSIVES

(see also subdivision under Ordzhonikidze region, Azerbaijan)

Anticorrosive properties of chromium coatings obtained in a cold tetrachlorate electrolyte. B. Sh. Shenberg. *Zh. prikl. khim.* 41: no. 6: 1769-1771 Ju '67

Corrosion inhibitors in the systems hydrocarbons - aqueous solutions. V. P. Negreyev, I. A. Mamadov, G. M. Abdullayev, Trud. Inst. khim. AN Azerb. SSR 20: 36-50 '61

Corrosion prevention by inhibited air. V. T. Nelsoba. *Mashinostroitel'* no. 12: 20-29 Ju '67

Determination of effectiveness of inhibitors in acid corrosion of steel. A. S. Afanas'ev. *Upr. khim. zhur.* 32: no. 11: 1224-1231 '66

Studying corrosion of underground equipment of wells. E. M. Tomshev, P. I. Kulakov, I. A. G. Spichakov. *Neft. khoz.* 41: no. 11: 11-14 N '66

Passivation and descaling the passive state of metals. T. P. Khoch. *Zashch. met.* 3: no. 12: 20-33 Ju '67

Protecting metals from corrosion. N. Gudov, S. Stamenov. *Nauch. Res.* 7: no. 12: 26 D '66

Restoration and anticorrosion protection of an acid shop building. E. V. Makarov, E. A. Rubbakh. *Prom. stroit.* 39: no. 12: 26-29 '61

Soluble wood tar as corrosion inhibitor for ferrous metals. B. V. Zhelutskii, G. I. Zhelutskii. *Shch. trudy. NIIS* 11: 10-11 '65

Study of the mechanism of action of some organic corrosion inhibitors in cooling water media. V. T. Negreyev and others. *Trud. Inst. khim. AN Azerb. SSR* 20: 23-35 '61

Studying corrosion inhibitors of aluminum alloys in alkaline solutions and clay suspensions. V. I. Negreyev, A. M. Kuznetsov, Z. M. Salamatova. *Izv. vys. ucheb. zav., tekhn. k. prom.* 9: no. 8: 111-113 '66

Studying the problem of heavy corrosion of the equipment of the acid unit due to the use of technical sulfuric acid in hydrolysis. E. A. Adamovich, V. A. Pimenov, M. M. Isacova. *Shch. trudy. NIIS* 11: 10-11 '65

Synthesis of aliphatic amines and their derivatives, and testing them as anticorrosive additives to sulfur-bearing diesel fuels. V. A. Maslennikov, M. M. Rafiev. *Shch. trudy. NIIS* 11: 10-11 '65

## CORROSION AND ANTICORROSIVES—CONGRESSES

Problems of corrosion, passivation and electrodeposition of metals at the 17th Congress of the International Committee on Electrochemical Thermodynamics and Kinetics held in Japan. I. A. M. Kolotyrkin. *Zashch. met.* 3: no. 1: 122-123 Ju '67

14th International Congress on the Corrosion of Metals. V. V. Chibrikovskii. *Lakot. i mas. i kh. prim.* no. 6: 89-90 '66

## CORROSION AND ANTICORROSIVES—TESTING

(see also subdivision under Czechoslovakia)

## CORROSION RESISTANT MATERIALS

Basic principles in developing corrosion resistant alloys. N. D. Tomashev. *Zashch. met.* 3: no. 12: 19 Ju '67

Corrosion resistance of certain metallic materials in molten aluminum. I. B. Selezneva and others. *Zashch. met.* 3: no. 12: 18-21 Ju '67

Testing corrosion resistant materials in the media of furfural-containing vapors and condensates. E. A. Adamovich and others. *Shch. trudy. NIIS* 11: 10-11 '65

## CORTICOSTEROIDS

Analogs of corticosteroids. Report No. 14: Behavior of secondary acetoxy group in the acetylclohexanediol series. A. A. Akhrem, A. M. Moiseenko. *Izv. AN SSSR, Ser. khim.* no. 12: 2156-2161 '66

Analogs of corticosteroids. Report No. 15: Interaction of 1-bromo-1-acetyl-2-cyclohexanol and its acetate with hydrazine-carboxylic ester. A. A. Akhrem, A. M. Moiseenko. *Izv. AN SSSR, Ser. khim.* no. 12: 2161-2167 '66

Analogs of corticosteroids. Report No. 16: Mutual transformations of isomeric 2-methyl-1-acetyl-1,2-cyclohexanediols. A. A. Akhrem, A. M. Moiseenko. *Izv. AN SSSR, Ser. khim.* no. 12: 2167-2171 '67

Analogs of corticosteroids. Report No. 17: Reaction of 2-methyl-1-acetyl-1-cyclohexene oxide with hydrazine-carboxylic ester. A. A. Akhrem and others. *Izv. AN SSSR, Ser. khim.* no. 1: 109-114 Ju '67

Determination of corticosteroid secretion in dogs by using thin-layer chromatography. M. G. Kolpakov and others. *Dokl. AN SSSR* 172: no. 1: 233-235 Ju '67

Some pharmacological and clinical data on effect of glucocorticoids and VCIII on organism. N. A. Litvinenko and others. *Vest. AN BSSR, Ser. biol. nauk* 4: 80-86 '66

## CORTICOSTEROIDS—THERAPEUTIC USE

Corticosteroid therapy in glomerulonephritis. M. A. Raiter and others. *Sov. med.* 30: no. 12: 43 Ju '67

Treatment of gastric and duodenal ulcer with decortin-cortisone acetate. S. G. Vainshtein. *Sov. med.* 29: no. 11: 66-69 N '66

## CORTISONE

Cortisone therapy in the compound treatment of agranulocytosis. E. G. Afanas'ev. *Shch. trudy. NIIS* 11: 10-11 '65

## CORUNDUM—SPECTRA

Resonance absorption of  $V^{3+}$  ion in corundum. At wavelength  $\lambda = 1.21 \mu m$ . P. A. Vinogradov and others. *Phys. v. red. Zhur. eksper. i teoret. fiz.* 4: no. 9: 373-376 N '66

## CORUNDUM CRYSTALS

Scattering of light at small angles in ruby and leucosapphire single crystals. A. I. Koshulin, L. E. Agreva, L. P. Mufikova. *Fiz. tsvet. i opt.* 8: no. 11: 3251-3259 N '66

## CORUNDUM CRYSTALS—DEFECTS

Dislocation structure of  $\alpha-Al_2O_3$  crystals. M. A. Ilushchenkov, K. V. Savitskii. *Izv. v. s. ucheb. zav., fiz.* 9: no. 6: 24-25 '66

## COSMIC RADIATIONS, RADIO-FREQUENCY

Coherent amplification of radio-frequency radiation in outer space. D. A. Vashalovich. *Phys. v. red. Zhur. eksper. i teoret. fiz.* 1: no. 5: 180-182 S '66

Dependence of radio emission from heated galaxies on the shape of their central parts. G. M. Tsvetashvili. *Astron. zh.* 2: no. 4: 410-420 D '66

Theory of coherent synchrotron radiation from cosmic radio sources. S. A. Kaplin. *Astron. zh.* 2: no. 4: 409-418 D '66

## COSMIC RAYS—SPECTRA

Upper boundary of cosmic ray spectrum. G. T. Zaitsepin, V. A. Kuznetsov. *Phys. v. red. Zhur. eksper. i teoret. fiz.* 4: no. 3: 111-117 Ag '66

## COSMOGRAPHY

[The earth and the universe]. Zemlja i Vselennaya. Moskva, Znanie, 1966. 285 p.

## COSMOLOGY

Charge asymmetry and entropy of hot universe. I. A. Zel'dovich, I. D. Novikov. *Phys. v. red. Zhur. eksper. i teoret. fiz.* 4: no. 3: 117-120 Ag '66

New mineralogical hypothesis of the formation of the earth. A. S. Uklonskii. *Nauch. trudy TashGU* no. 231. Goul. no. 20: 7-21 '64

Rest mass of a muon neutrino and cosmology. S. S. Gurevich, I. A. Zel'dovich. *Phys. v. red. Zhur. eksper. i teoret. fiz.* 4: no. 5: 174-177 S '66

## COST

On the two forms of necessary product and two kinds of cost. M. A. Moiseenko, M. D. Pincus. *Vest. LGU* 21: no. 23: 5-11 '66

## COST AND STANDARD OF LIVING

Essential differences between the city and village and fundamental problems in overcoming them. S. Sdobnov. *Ekon. sel'khoz.* 12: no. 1: 26-12 '67

Fominykh, V. N. [The value of "invisible" income, public consumption funds and the growth of the material well-being of the people]. *Tsena "nevidimyykh" dokhodov, obshchestvennye fondy potrebleniya i rosn material'nogo blagostoystaniya naroda*. [Sverdlovsk] Sverdlovskoe knizhnoe izd-vo, 1963. 50 p. (CS-11)

## COSTA RICA—COMMUNIST PARTY

For a radical socioeconomic reform, for democracy. Oskar Vargas. *Part. zhizn'* no. 2: 71-74 Ju '67

## COTTAGE CHEESE—PACKAGING

Automatic unit for the packaging and wrapping of cottage cheese. Inform. biul. VDNKH no. 12: 12 D '66

## COTTON

Effect of ionizing radiation on the variability of cotton. L. G. Arutunova, D. A. Musayev. *Nauch. trudy TashGU* no. 210: 43-68 '62

## COTTON—DISEASES AND PESTS

(see also subdivision under Kirghizistan; Tajikistan) Tactics in controlling cotton bollworm. V. Tanskii. *Zashch. rast.* 12: no. 1: 23-24 '67

## COTTON—FERTILIZERS AND MANURES

(see also subdivision under Golemdarya Steppe) Effect of naphthenic acids on some metabolism aspects and yield of fine-fiber cotton cultivated under different conditions of fertilization. T. B. Bazanova, K. M. Akopova. *Izv. AN Turk. SSR, Ser. biol. nauk* no. 5: 53-58 '66

## COTTON—KIRGIZIA

Rady, B. G., and A. V. Vaitanants. [Mechanized pinching back of cotton.] *Mekhanizatsiya chetvika khlopchannika*. Tashkent, "Uzbekiston," 1966. 51 p. (DNAL)

## COTTON—TESTING

Technological evaluation of machine-harvested fine-fiber cotton. I. I. Smirnov, F. I. Ibragimova, N. K. Lomina. Nauch.-issl. trudy TSNIKHI za 1963 g. 3-23

## COTTON FABRICS

Method of determining the indices of the physical and mechanical properties of unfinished cotton fabrics on the basis of loading calculations. N. S. Eremina. Nauch.-issl. trudy TSNIKHI za 1963 g. 270-308

COTTON GINS AND GINNING see subdivision under Uzbekistan

COTTON GROWING see subdivision under Tashkent Province, Uzbekistan

COTTON GROWING—LABOR PRODUCTIVITY see subdivision under Vakhsh Valley

## COTTON MACHINERY

(see also subdivision under Pskhtakoi region, Uzbekistan)

Technological testing of an automatic cotton picking and picking unit. V. S. Badalova, M. V. Shabanova, M. I. Borisova. Nauch.-issl. trudy TSNIKHI za 1963 g. 23-32

COTTON MANUFACTURE see subdivision under Cheboksary

COTTON-PICKING MACHINERY see subdivision under Uzbekistan

COTTON TRADE see subdivision under Azerbaijan; Turkmenistan

## COTTON YARN

Using starch substitutes in the sizing of cotton yarn. M. I. Gorkina, A. V. Bogorodskaya. Nauch.-issl. trudy TSNIKHI za 1963 g. 308-320

## COTTONSEED

Transformations of phosphorus compounds in germinating and ripening seeds of cotton. M. Kh. Ibragimov. Nauch. trudy TashGU no. 210 75-81 '62

## COTTONSEED OIL

Detecting traces of anabasine in cottonseed oil by gas-liquid chromatography. I. R. Lange, L. N. Lisitsyanova, M. I. Gorlaev. Masl.-zhir. prom. 32 no. 11 34-37 N '66

Effect of cottonseed oil and lamb fat, subjected to thermal processing, on polyunsaturated fatty acid level in blood and liver of laboratory animals. M. G. Popova, I. R. Los'eva, M. N. Ismailov. Vop. pit. 25 no. 6 44-47 N-D '66

## COUMARINS—DRYING

Drying coumarin in a fluidized bed. A. E. Ogarev, N. I. Grigor'eva. Masl.-zhir. prom. 32 no. 11 35-38 N '66

COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE see Mutual Economic Assistance Council

## COUNTING DEVICES

Korot'kov, A. M., and V. D. Mochalov. [Pulse counters using transistors.] *Schetchniye impul'sov na diodorakh*. Moskva, Energiya, 1966. 103 p. (Biblioteka po avtomatike, no. 211)

## COUPLING REACTIONS

Effect of sulfo group in azo coupling reactions of phenols. A. A. Smirnov, I. M. Golovinskiy. Khim. vol. 10 no. 1 1-4 '66

## COWS

Effect of the system of summer maintenance of cows on their productivity and some physiological indices. V. A. Mitashkov. Dokl. TSKhA no. 15 167-162 '59

## COWS—FEEDING AND FEEDS

Effect of corn silage rations for cows on the quality of dried milk. I. A. Radayev. Dokl. TSKhA no. 15 167-162 '59

Effect of trace element supplements on the state of cows before delivery and the quality of offspring. D. I. Almazov. Dokl. TSKhA no. 45 79-85 '59

Passage of strontium-90 in the milk and skeleton of cows absorbed with various feeds. N. A. Koznecov, A. K. Sirotkin, N. I. Buray. Dokl. Akad. sci. SSSR, Nauch. no. 9 37-39 '5 '66

Physiological conditions of cows fed silage rations with various sugar contents. B. P. Herasimovich, L. I. Herasimovich. Vsesoi. zh. BSSR, Ser. sel'sk. hosp. nov. no. 1 59-61 '66

## COWS—PHYSIOLOGY

Effect of partial bile removal and pancreatic juice on milk production. K. I. Tashenov, B. N. Nikitin. Trudy Inst. fiziol. AN Kazakh SSR 10 75-80 '66

## COYPU

Sexual dimorphism and seasonal changes in the peripheral blood of the nutria (*Myocastor coypus*) O. H. Reznosentov, L. O. Salhan'skaya. Dop. AN URSS no. 7 958-961 '62

## CRACKING PROCESS

(see also subdivision under Azerbaijan)

Acid platinum-zeolite catalyst for second step of hydrocracking. A. I. Pashina and others. Neftep. i neftekhim. no. 12 17-20 '66

Algorithm of gradient method in controlling catalytic reforming. B. A. Bol'skov. Neftep. i neftekhim. no. 12 10-12 '66

Catalytic cracking of heavy distillates as a source of petrochemical gaseous feed. V. S. Alev, V. S. Gulyayev, Sh. K. Kazimov. Shor. trudy AN URSS no. 3 282-295 '58

Effect of unsaturated hydrocarbons on tendency of diesel fuels to form precipitates on needles of atomizers. B. A. Englin, F. G. Kurnetsov. Neft. i naftokhim. no. 10 7-10 '66

Experience in desulfurization of gasoline of thermal cracking. E. A. Bugai and others. Neftep. i neftekhim. no. 12 7-11 '66

Obtaining higher mono-olefin hydrocarbons by thermal cracking of solid paraffins. E. V. Lebedev, I. L. Babin. Naft. i gaz. prom. no. 5 11-15 S-O '66

Possibility of using the products of the second recycle stock as raw materials for pyrolysis. A. B. Ter-tulian and others. Shor. trudy AN URSS no. 3 126-143 '58

Study of conversions of cyclohexane and cyclohexene in the process of reforming in the case of poisoning of catalysts by thiophene. G. V. Isagulianta, M. A. Rashedentseva. Dokl. AN SSSR 172 no. 3 597-599 Ja '67

Studying composition of propane-propylene fraction. V. P. Zaslavskikh, V. Z. Zolotarevskii. Neftep. i neftekhim. no. 8 41-46 '66

CRANBERRIES see subdivision under Leningrad Province

CRANE FLIES see subdivision under Carpathian Mountains

## CRANES, DERRICKS, ETC.

(see also subdivisions under Krasnoyarsk Hydroelectric Power Station region)

Assembly of bridge cranes with use of building's structural parts. M. Gurevich, G. Kogan, P. M. Shol. 1 inzh. soor. 8 no. 6 31-35 N-D '68

Crane for D-2501 crane (D-2508). M. Dymshits. 1 inzh. soor. 8 no. 6 35 N-D '66

Electric excavator-crane. V. I. Pantukhin. Mash. 6 no. 12 5-7 D '61

Z-600 truck cranes. L. A. Loshak, N. K. A. T. Bel'ym. Mekh. stroit. 21 no. 12

Truck cranes. A. I. Gorbachev. Mekh. stroit. 21 no. 12 '66

Truck cranes. L. A. Simstov, G. A. Iamshkevich. 1 no. 142 Ja '67

[Selecting efficient parameters of the changes of tower cranes, a survey] *nykh parametrov sistemy izmeneniya dzhennoy, obzor*. Moskva, NIIkhrommash, 1965. 30 p. (Seriya 1. rozhnye mashiny)

Of the design of the electrical drive of M. M. Perel'muter. Elektrichestvo 167

Stability of double-branched columns using 1 computers. A. Dykhovichnyi, 1 rum stroit. 1 inzh. soor. 8 no. 6 23-25

Of builders. Inform. blud. VDNKH no. 12 14-16 D '66

Stability on the ground. A. Al'perovich, NKH no. 12 14-16 D '66

Using a railroad crane in assembling a mine hoist. B. I. Negutskii. Shkhit. stroit. 5 no. 11 25-27 N '61

## CRANES, DERRICKS, ETC.—BRAKES

Elimination of failures in operating the brakes of a crane handling mechanisms. I. A. Ivanov. Mash. 12 no. 1 31-32 Ja '67

## CRANES, DERRICKS, ETC.—PARTS

Calculating the loads of the rope of a crane handling mechanism. R. P. Gerasimuk. Vest. mashin. 11 no. 1 37-39 Ja '67

## CRANES, DERRICKS, ETC.—RADIO CONTROL

Standard equipment for radio control of cranes. N. A. Kalumulin, I. S. Mikhel'povich. Bulet. tekhn. inform. Gos. nauch.-issl. inst. mash. i tekhn. inform. 10 no. 12 43 D '66

## CRANES, DERRICKS, ETC.—SAFETY MEASURES

Al'perovich, A. I. [Safety manual for erection of construction tower cranes.] *Pamiatka po tekhnike bezopasnosti dlya montazhnikov stroitel'nykh bashennyykh kranov*. Izd. 3., pererab. dop. Moskva, Stroitelizdat, 1966. 45 p. (Tekhnika bezopasnosti v stroitel'stve)

Boloban, N. A. [Safety manual for the operator of a tower crane.] *Pamiatka po tekhnike bezopasnosti dlya mashinistov bashennogo kрана*. Izd. 3. Moskva, Stroitelizdat, 1968. 73 p. (Tekhnika bezopasnosti v stroitel'stve)

Increase the safety of operating steam boiler and lifting holding cranes. Bezop. truda v prom. 11 no. 1 62-63 Ja '67

## CRANES, DERRICKS, ETC.—TECHNOLOGICAL INNOVATIONS

The clean efficiency problem. A. Molva. Tekhn. nov. 20 no. 7 22-23 d. '61

## CRANIOLOGY

Some aspects of the somatic transformation of the cranium. G. P. Dobrynin. Sov. etn. no. 2 9-11 M-Ap '61

## CRANKS AND CRANKSHAFTS

Device for loosening crank of UH-3 mud pump. A. G. Gilmov, N. Pankinova. Neft. i naftokhim. no. 10 11 '66

Technology of the installation of crankshafts. I. A. Stetsenko, K. I. Terebchenko. Tekhn. i tekhn. 10 no. 12 23-24 D '66

Use of heat crankshafts. I. Deryanov. Tekhn. i tekhn. 26 no. 12 63-64 D '66

## CRASH INJURIES

Prophylaxis and method of determining the movement of a person in a truck forming object based on the relief of lesions on the body and clothing. A. V. Kuznetsov. Sud. med. ekspert. 9 no. 1 11-16 D '66

## CRAWLER TRACTORS

Determining the coefficient of friction of metal tracks on soil. M. G. Prigodina. Dokl. TSKhA no. 11 11-12 '59

## CRAYFISH

Crayfish and utilization of its stock. S. I. Buzdakov. Ryb. khoz. 44 no. 126-127 '67

## CREATION (LITERARY, ARTISTIC, ETC.)

Remarks on creativity. Karel Capek. Vop. lit. 5 no. 136-166 S '61

## CREDIT

Darkovskii, N. D., and K. S. Kaitashova. [Credit plan in the U.S.S.R.] *Kreditnoe planirovaniye v SSSR*. Moskva, Finansy, 1966. 242 p.

Lavruskin, O. I. [Credit and industry.] *Kredit i promyshlennost'*. Moskva, Finansy, 1967. 86 p.

## CREEP OF ALUMINUM

X-ray examination of aluminum substructure during creep. V. A. Pavlov, V. I. Shalunov, V. I. Shalunov. Fiz. metal. i metalloved. 22 no. 1 59-65 O '61

## CREEP OF COPPER

Creep of nickel, copper, and their alloys at high temperatures. I. I. Ivanov, I. N. Bystrav. Izv. AN SSSR Met. no. 1 120-133 Ja-F '67

## CREEP OF MATERIALS

Calculating elastically creeping girder plates supported by an elastically creeping foundation. Fiz. i matemat. izv. AN URSS Ser. tekhn. nauk 10 no. 6 118-121 '64

Extension of Maxwell's equation to theoretical analysis of experiments on transient direct and reversed creep of fibreglass reinforced plastics. P. M. Ogibakov. Fiz. Tsvetn. Vest. Mosk.-un.-Sci. i Mat. nauk. 41 no. 6 121-125 N-D '66

Rabotnov, Yu. N. [Creep of structural components.] *Polzuchest' elementov konstruktsii*. Moskva, Mash. 1966. 752 p.

Topography of the distribution of unbalanced vacancy concentration in the mutual diffusion of two components in creep. M. A. Kishin, V. I. Strel'nikov. Dokl. AN SSSR 172 no. 3 976-979 Ja '67



## CREEP OF NICKEL

Creep of nickel, copper, and their alloys at high temperatures. I. I. Ponomarev, I. N. Bystrykh. Izv. AN SSSR Met. no. 129-131. 1967.

## CREEP OF SILVER

Localization of deformations in the process of high-temperature creep. K. K. Zhil'berg. Fiz. met. i metalloved. 22 no. 6:911-915 D '68.

## CRESOL

Alkylation of phenols by bifunctional compounds. Report No. 15. Alkylation of *m*- and *p*-cresols with alkyl alcohol in a flow system and catalytic isomerization of alkyl phenols. P. A. Vukobratovic and others. Izv. AN SSSR, Ser. Khim., no. 11:2193-2197 '66.

Cyclic compounds of p-cresol with noble gases. Part 2. p-Cresol compounds with krypton and xenon. A. M. Gerasimov, I. I. K. K. Kuznetsov. Radiokhimiya no. 6:720-723 '66.

Physicochemical analysis of the triple system carbamide-methylacrylamide. I. M. Bol'shikh, V. G. Gerasimov. Izv. vuzov khim. i tekhn. no. 6:122-128 '66.

## CRIME AND CRIMINALS

(see also subdivision under Great Britain; Paris Province; United States)

Against the biological theories of the sources of crime. Study 1. A. A. Gertsenzon. Vop. prikl. prest. no. 1:3-14 '66.

A "corporation of statisticians" (to be continued). G. Sotnik. Mol. kum. no. 10:100-105 '66.

Criminal responsibility for unjust enrichment and prohibited business operations. V. I. Kiselev. Sots. zakon. 38 no. 7:50-51 JI '61.

Organization and methods of the criminological inspection of administrative districts. A. I. Mikhailov. Vop. prikl. prest. no. 1:17-21 '66.

The use of local statistics in studying the factors which lead to the commission of crime. A. A. Gerasimov, V. A. Gerasimov, M. M. Babayev. Vop. prikl. prest. no. 1:54-67 '66.

Ways to strengthen socialist law and order. A. A. Plonitskiy. Sov. gos. i pravo no. 1:12-14 Ja '67.

We shouldn't be lenient to incorrigible criminals. A. Kruglov. Sots. zakon. 38 no. 7:17-18 JI '61.

## CRIME PREVENTION

(see also subdivision under Kullnigrad Province; Kochova District)

A conference on crime prevention. F. Gorliak, G. Matusevich. Sots. zakon. no. 2:81-84 F '61.

Coordinated efforts of public prosecutors, courts, and agencies for the enforcement of law and order in the sphere of crime prevention. V. K. Zvirbul'. Vop. prikl. prest. no. 1:66-68 '66.

Organization and methods of the criminological inspection of administrative districts. A. I. Mikhailov. Vop. prikl. prest. no. 1:17-21 '66.

Some problems concerning the activity of the local soviets of workers' deputies and public-service organizations in the sphere of crime prevention. I. V. Kuznetsova. Vop. prikl. prest. no. 1:110-123 '66.

Work practice of notarial agencies in crime prevention. Sov. iust. 30 no. 7:13-14 D '66.

## CRIME—ASH (TREE)

Geographical distribution of mountain ash varieties in the Crimea. R. P. Popov. Izv. Krym. old. Geog. ob-va no. 6:115-120 '61.

## CRIME—BIRNES

Obtaining reactive magnesium oxide from natural birnes obtained with the sulfate method. B. A. Sholikh, P. M. Gerasimov, A. I. Panteleeva. Trudy GIPK no. 47:8-16 '62.

Using the soda method for obtaining burnt magnesite for rubber compounds from natural birnes. S. I. Javovskii, M. M. Gerasimov. Trudy GIPK no. 17:19-20 '62.

## CRIME—BROILERS (POULTRY)

The girls of the first plant. S. Makarov. Agitator 31 no. 1:30-31 F '67.

## CRIME—ECONOMIC POLICY

Developing the productive forces of the Crimea during the years of the five-year plan, 1959-1965. I. I. Zverev, V. A. Rabin. Izv. Krym. old. Geog. ob-va no. 6:155-167 '61.

## CRIME—FERTILIZERS AND MANURES—PRESERVATION AND STORAGE

Characteristics of manure storage in the south. A. S. Tutin, A. A. Serbin. Zemlebel. 8 no. 4:31-30 Ap '60.

## CRIME—FORAMINIFERA, FOSSIL

Some species of Jurassic Foraminifera in the southeastern Crimea. O. A. Hofmann. Geol. zhur. 21 no. 2:97-102 '61.

## CRIME—FRUIT BREEDING

Contributions of science to industry. K. V. Petrukhin. Koms. i sov. prom. 21 no. 12:21-22 D '66.

## CRIME—GUIDEBOOKS

Shyela, V. N. [On the roads of the Crimea; guidebook for motorizing tourists] Dorogami Kryma; spulnik avtomobilistov. Simferopol', Krym, 1967, 143 p.

## CRIME—HISTORY

Population of the northwestern Crimea in the ancient period. A. N. Shcheglov. Vest. ch. v. 1st no. 1:146-157 '66.

## CRIME—INDUSTRIES

From the history of industrial development in the Crimea during the first half of the 19th century. S. A. Gerasimov. Izv. Krym. old. Geog. ob-va no. 6:169-181 '61.

Organizing the management of the economy in the Crimea during the first years of the Soviet regime, 1917-1920. A. I. Nedelin. Izv. Krym. old. Geog. ob-va no. 6:185-193 '61.

## CRIME—LOGGING (GEOLOGY)

Time of recovery of rock temperature fields disturbed by boring. V. V. Gerasimov. Geofiz. zhur. no. 17:91-96 '66.

## CRIME—MINERAL WATERS

Mineral waters of the Crimea. S. V. Al'bov. Izv. Krym. old. Geog. ob-va no. 6:21-20 '61.

## CRIME—PALEOGEOGRAPHY

Findings of early Quaternary vertebrates on the Tarkhankut Peninsula and its significance for the paleogeography of the Crimea. P. B. Podgornitskiy. Izv. Krym. old. Geog. ob-va no. 6:31-41 '61.

## CRIME—RAIN AND RAINFALL

Intensive rains in the Crimea. D. A. Burtsev. Izv. Krym. old. Geog. ob-va no. 6:20-205 '61.

## CRIME—REVOLUTION, 1917-1921

Organizing the management of the economy in the Crimea during the first years of the Soviet regime, 1917-1920. A. I. Nedelin. Izv. Krym. old. Geog. ob-va no. 6:185-194 '61.

## CRIME—RURAL CONDITIONS

We must master economic methods in guidance. N. Kuznetsov. Part. zhurnal no. 3:22-25 I '67.

## CRIME—RUNOFF

Generalization of data of maximum discharge of rain floods in Crimean steppes according to marks of high level waters. E. V. Khlebnaya. Shor. rab. po gidrol. no. 6:32-36 '66.

## CRIME—SALINE WATERS—COMPOSITION

Distribution and accumulation of strontium in Quaternary sediments and saline water basins of Crimean steppes. V. A. Suprychev, A. M. Ponomarev, G. A. Kal'yan. Dokl. AN SSSR 172 no. 3:692-695 Ja '67.

## CRIME—SOILS—JODINE CONTENT

Iodine in some soils of the Russian Plain and Crimea. N. G. Zvirbul'. Kh. imad. Agroklimat. no. 1:100-116 Ja '67.

## CRIME—STONE AGE

Statement. M. V. Muratov. Trudy Kom. chety. per. 18:109-203 '61.

## CRIME—STRONTIUM

Distribution and accumulation of strontium in Quaternary sediments and saline water basins of Crimean steppes. V. A. Suprychev, A. M. Ponomarev, G. A. Kal'yan. Dokl. AN SSSR 172 no. 3:692-695 Ja '67.

## CRIME—TUBERCULOSIS—HOSPITALS AND SANATORIUMS

Results of treating destructive forms of tuberculosis under the conditions of the southern coast of the Crimea. S. M. Lebedeva. Probl. tub. 44 no. 1:44-48 '66.

## CRIME—VEGETABLE BREEDING

Contributions of science to industry. K. V. Petrukhin. Koms. i sov. prom. 21 no. 12:21-22 D '66.

## CRIME—WORLD WAR, 1939-1945—LANDING OPERATIONS

A landing operation in the Kerch-Feodosiya region. I. Markov. Voenn. ist. zhur. 9 no. 1:121-124 Ja '67.

## CRIME—WORLD WAR, 1939-1945—UNDERGROUND MOVEMENTS

Collecting and studying the documentary materials of underground movements. I. P. Kondiano. Sov. arkh. no. 5:71-74 '66.

## CRIMEAN MOUNTAINS

Orographic scheme of the Crimea. V. G. Ena, I. A. D. Kozin. Izv. Krym. old. Geog. ob-va no. 6:5-20 '61.

## CRIMEAN MOUNTAINS—CONGLOMERATE

Hajdovlan-Barremian conglomerates in the eastern Crimea. T. I. Dubovolska, I. B. Saltman. Geol. zhur. 21 no. 1:68-74 '61.

## CRIMEAN MOUNTAINS—GEOLOGY, STRUCTURAL

Physical properties and composition of magmatic formations of the central part of Crimean Mountains. T. S. Lebedev, I. P. Orovetskii. Geofiz. zhur. no. 17:62-80 '66.

Pressure inside satellite magma chambers; on example of the Cape Ptak intrusion, Crimean Mountains. I. P. Orovetskii. Geofiz. zhur. no. 17:86-90 '66.

## CRIMEAN MOUNTAINS—HORNBLENDE

Hornblende from Lower Cretaceous pyroclasts of Crimean Mountains. A. G. Gerasimov. Min. shur. 20 no. 1:11-124 '66.

## CRIMEAN MOUNTAINS—MINERALS

First find of accessory niobate and brookite in igneous rocks of Crimean Mountains. N. N. Makarov, V. A. Suprychev. Izv. AN URSS no. 12:166-168 '66.

## CRIMEAN MOUNTAINS—NAMES, GEOGRAPHICAL

Naming the ridges of the Crimean Mountains. I. I. Kostin. Izv. Krym. old. Geog. ob-va no. 6:147 '61.

## CRIMEAN MOUNTAINS—NUMMULITES

Age of nummulite limestones in the southwestern part of the Crimean Mountains. V. I. Kulichenko. Geol. zhur. 19 no. 6:84-88 '53.

Remarks concerning V. G. Kulichenko's article "Age of nummulite limestone in the southwest in Crimea Mountains." B. F. Zernitskiy, H. I. Hienkov. Geol. zhur. 21 no. 2:114-115 '61.

## CRIMINAL ANTHROPOLOGY

Against the biological theories of the sources of crime. Study 1. A. A. Gertsenzon. Vop. prikl. prest. no. 1:3-14 '66.

## CRIMINAL INVESTIGATION

Content and motivation of rulings on sending court cases back for additional investigation. G. Omel'ianenko. Sots. zakon. no. 2:25-27 F '67.

If a footprint has disappeared. V. Kuteinikov. Sots. zakon. no. 2:68-72 F '67.

An interuniversity conference on the problems of criminal investigation. Z. Simoshina. Sots. zakon. 38 no. 7:73 JI '61.

New equipment in the service of criminal investigation. A. Kozlov. Sots. zakon. no. 2:65-67 F '67.

Observation and watchfulness in the work of criminal investigators. A. R. Ratnikov. Vop. prikl. prest. no. 1:153-166 '66.

Procedural problems in the pretrial investigation of disorderly conduct cases. I. Perlov. Sov. iust. 30 no. 24:19-20 D '66.

Why our courts often send murder cases back for additional investigation. G. Kochaev, F. Kucherskiy. Sots. zakon. no. 2:22-24 I '67.

## CRIMINAL INVESTIGATION—STUDY AND TEACHING

Raising the qualifications of public prosecutors and criminal investigators. K. Pavlishchev, V. P. Ponomarev. Sots. zakon. 38 no. 7:46-49 JI '61.

## CRIMINAL JUSTICE, ADMINISTRATION OF

(see also subdivision under Stavropol Territory)

Coordinated efforts of public prosecutors, courts, and agencies for the enforcement of law and order in the sphere of crime prevention. V. K. Zvirbul'. Vop. prikl. prest. no. 1:68-68 '66.

Decision no. 8 of the plenary session of the Supreme Court of the U.S.S.R. Sov. iust. 31 no. 3:28-29 F '67.

How public prosecutors supervise the observance of laws in the judicial examination of criminal cases. I. Supozhnikov. Sots. zakon. 38 no. 7:54-58 JI '61.

In the Supreme Court of the U.S.S.R. Sots. zakon. 38 no. 7:19 JI '61.

In the Supreme Court of the U.S.S.R. Sots. zakon. no. 2:73-76 I '67.

Let's intensify our struggle against various criminal offenses. Sots. zakon. 38 no. 7:3-6 JI '61.

Ways to strengthen socialist law and order. A. A. Plonitskiy. Sov. gos. i pravo no. 1:32-41 Ja '67.

We shouldn't be lenient to incorrigible criminals. A. Kruglov. Sots. zakon. 38 no. 7:17-18 JI '61.

## CRIMINAL LAW

(see also subdivision under Georgia; Ukraine)

The concept of "injured persons" in Soviet criminal law. A. M. Kishlev. Izv. AN Azerb. SSR. Ser. iur., filos. i pravo no. 3:109-115 '66.

Early history of Soviet criminal law. V. Ivanov. Sov. iust. 31 no. 3:11-13 F '67.

More about the "mixed" form of guilt. G. Kriger. Sov. iust. 31 no. 3:5-7 F '67.

The retroactivity of "intermediate" criminal laws. I. I. Solodkin. Vest. LGU. 21 no. 23:152-154 '66.

Russia (R.S.F.S.R.) Laws, statutes, etc. [Criminal code of the R.S.F.S.R. Official text with amendments as of September 16, 1966, and supplementary materials on the articles] Ugolovnyi kodeks RSFSR, Otsial'nyi tekst s izmeneniyami na 16 sentyabrya 1966 g. s prilozheniem postateino-sistematizirovannykh materialov. Moskva, Iurid. lit.-ra, 1966, 251 p.

## CRIMINAL PROCEDURE

(see also subdivision under Ukraine)

Content and motivation of rulings on sending court cases back for additional investigation. G. Omel'ianenko. Sots. zakon. no. 2:25-27 F '67.

A court case was sent back for additional examination. V. Kuteinikov. Sov. iust. 30 no. 24:26-27 D '66.

Democratic characteristics of Soviet criminal procedure and protection of the injured persons' rights. G. A. Matevosian. Vest. obshchestv. nauk AN Arm. SSR no. 4:81-72 Ap '66.

- CRIMINAL PROCEDURE (Continued)**  
Khai'koshin na iudicheskii institut. Kafedra ugolovnogo prava i professiya. [Indictment in Soviet criminal procedure, abstracts of a lecture course.] Pridanie sudu v sovetskoi munitsipalnoi prosvetse, konspekt lektsii. Khark'ov, 1965. 34 p.  
(CSt-II)
- Pravovye i sotsialno-representativnye aspekty pri razreshenii sudov. Soz. inst. 30 no. 2: 17-18 D '66.  
Pravovye i sotsialno-representativnye aspekty pri razreshenii sudov. Soz. inst. 30 no. 2: 17-18 D '66.
- CRIMINAL PSYCHOLOGY**  
The personal characteristics of criminals influence the preparation of criminal offenses. I. S. Likhachev, Sov. zh. zh. 104-105. 1967.
- CRIMINAL STATISTICS**  
Analyzing the statistical statistics of criminal offenses. V. A. Koshitskiy. Vop. prav. 104-105. 1967.  
The use of local statistics in studying the factors which have contributed to preparation of criminal offenses. V. A. Koshitskiy, V. A. Serbatskaya, M. M. Babayev. Vop. prav. 104-105. 1967.
- CRIMINOLOGISTS** see subdivisions under Czechoslovakia, Great Britain
- CRITICAL PATH ANALYSIS**  
Some problems of optimization of networks. V. M. Belov, I. N. Belo, B. I. Pohnak. Vych. met. i prog. 5: 115-123 '66.
- CRITICAL POINT**  
Boundary curve liquid-gas for sulfur hexafluoride near the critical point. L. A. Mikhlin, F. S. Sokolova. Fiz. i khim. Zh. 104-105. 1967.
- CRITICISM**  
Further criticism and the appreciation of art as a form of "living sculpture." B. A. Kislak. Izv. Lit. inst. 104-105. 1967.
- CROP YIELDS**  
(see also subdivisions under Dukhovnitskoy District)  
Effect of the grading of seed on the yield and quality of harvested grain. N. V. Alekhin. Dokl. TSKhV. 104-105. 1967.
- CROTONE ACID**  
Bromination rate as dependent on the structure of crotone acid derivatives. K. M. Akov, S. N. Ushakov. Izv. AN SSSR Ser. Khim. 104-105. 1967.
- CROUP**  
Clinical aspects and urgent treatment of influenza group. S. I. Likhachev, I. A. Blumental, G. A. Chernushin. Sov. med. 104-105. 1967.
- CRUELTY TO CHILDREN**  
A letter which was not published. Semia i shkola. 31 no. 7: 47. 1967.
- CRUSH SYNDROME**  
Rietherapy in cancer of the lungs complicated with compression syndrome. L. A. Poleslugin, A. I. Barkhamov. Vop. onk. 13 no. 1: 23-29 '67.
- CRUSHING MACHINERY**  
Housing for dust-forming equipment. V. E. Lopushanskiy. Otkryt. 31 no. 12: 50-51 D '66.  
Mobile crushing unit. V. P. Alekshin. Vych. met. i prog. 32 no. 12: 37-38 D '66.  
Regulating the overflow density of rod mills. E. V. Pokofev, V. V. Stritsky. Izv. vys. uch. zav., gor. zh. 10 no. 1: 47-51 '67.  
VDG-10 roller-type crusher and sifter. A. P. Likhachev. Enrgomashinost. 12 no. 1: 43-41 N '66.
- CRUSHING MACHINERY—DESIGN AND CONSTRUCTION**  
Planetary crushers with multiple-mode operation. L. P. Bushmev. Izv. vys. uch. zav., gor. zh. 8 no. 10: 148-154 '66.
- CRUSTACEA**  
(see also subdivision under Kayrakum Reservoir)  
Effect of sympathomimetic amines on the neuromuscular apparatus of the crab and crayfish. M. I. A. Kintsova. Fiziol. zhur. 49 no. 3: 370-374. 1963.
- CRYSTAT**  
A simple crystal for studying the electromechanical properties of crystals. A. V. Khalsakhanov, L. A. Shvachov. Izv. vys. uch. zav., fiz. 8 no. 6: 115-118 '66.
- CRYSTAL CHEMISTRY**  
Constitution of minerals with intermediate ionic-covalent bonding. V. V. Zuev, Izv. vys. uch. zav., geol. i razv. 10 no. 1: 53-59. 1967.  
Porai-Koshitskiy, M. A., and E. A. Gillskaya. [Crystal chemistry, advances in the crystal chemistry of complex compounds] Kristallokhimiya, aspekty kristallokhimii kompleksnykh soedinenii. Moskva, Akad. nauk SSSR, 1966. 211 p. (Itogi nauki i Seriya Khimiya)
- CRYSTAL LATTICES**  
Calculating the rate of diffusion growth of a porosity under applied stress. B. I. A. Likhachev, V. A. Solov'ev. Fiz. met. i metall. 22 no. 6: 865-870 D '66.
- Calculation of the energy of stabilization with crystalline nuclei in the earth's lithosphere taking into account spin-orbital interaction. K. B. I. A. Koshitskiy, N. A. Koshitskiy. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Continuation of crystalline field effect to oxygen energy bonding in oxides with spinel structure. N. N. Bulgakov, R. A. Borisov. Khim. 7 no. 6: 1007-1011. N-D '66.  
Coordination lattices of oxides of elements of additional subgroups and their enthalpy of formation. S. M. A. I. A. Prokhorov, I. A. Koshitskiy, Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Correlation between the physical and mechanical properties of diffusion coatings and their electron structure. Porosh. met. 6 no. 12: 92-91 D '66.  
Crystal structure of Mo-Ni and analogous compounds. I. U. B. Likhachev, P. I. Likhachev, R. V. Shkolovskiy. Dokl. AN URSSR. 104-105. 1967.  
Crystal structure of the rhombohedral modification of the V<sub>2</sub>O<sub>5</sub> compound. I. I. Zaitsevskiy and others. Dokl. AN URSSR. 104-105. 1967.  
Deformation of single crystals of aging Cu-Ni-Co alloys with various structural constitutions. G. I. Novosilov, N. I. Trifonov. Izv. AN SSSR Met. 104-105. 1967.  
Effect of cyclic contact stressing on certain characteristics of the crystal structure in Shklovskiy steel. I. P. Golovinskiy. Dokl. AN URSSR. 104-105. 1967.  
Formation of brittle cracks in steel during welding. R. G. Aronov. Fiz. met. i metall. 22 no. 1: 617-618 O '66.  
Josephson's effect during twinning with Zr-1. I. U. B. Likhachev, A. V. Solov'ev, Fiz. met. i metall. 22 no. 1: 619-621 O '66.  
Nonlinear properties of crystal lattices. G. M. Genkin, V. M. Fain, L. G. I. Shkolovskiy. Fiz. met. i metall. 22 no. 1: 3310-3319 N '66.  
Paininskii, K. [Dynamics of torsional vibrations of molecular groups in the crystal lattice] Dinamika torsionnykh kolebaniy molekulyarnykh grupp v kristallicheskoi reshetke. Dubna, 1967. 28 p.  
Relation between microhardness and microstructure of high melting compounds and their electron structure. Porosh. met. 6 no. 12: 95-99 D '66.  
Role of the formation of stable electron configurations, in forming properties of chemical elements and compounds. G. V. Samsonov. Porosh. met. 6 no. 12: 10-60 D '66.  
Stable electron configuration of atoms with incomplete d-, f-shells and physical properties of transition metals. I. F. Pridko. Porosh. met. 6 no. 12: 61-67 D '66.  
Stability of electron configurations. L. R. Koroleva, V. N. Gurin, A. P. Obukhov. Porosh. met. 6 no. 12: 68-71 D '66.  
Structure sensitive plasticity of iron. A. S. Drachinskii, V. N. Trifonov. Fiz. met. i metall. 22 no. 6: 911-915 D '66.  
Studying ordering in ternary system alloys. B. G. Likhachev, L. P. Chuplueva, A. S. Likhachev. Izv. vys. uch. zav., khim. 10 no. 1: 123-127 '67.  
Studying the crystal structure of the IUNDO35T5 alloy in a state with optimum magnetic properties. B. G. Likhachev, L. A. Likhachev. Fiz. met. i metall. 22 no. 1: 627-629 O '66.  
Studying the mechanism of elastic twin propagation in metals. V. P. Soldatov. Fiz. met. i metall. 22 no. 6: 924-930 D '66.  
Theory of elasticity with spatial dispersion. Three-dimensional complex structure. A. I. Beldichevskii, Prikl. mat. i mekh. 30 no. 6: 1071-1080. N-D '66.  
Theory of strain hardening of metals with a face-centered cubic lattice. A. L. Rodband. Fiz. met. i metall. 22 no. 6: 945-947 D '66.  
Theory of the effect of transfer in crystals with pores. Electron and phonon scattering on pores. B. N. Gornov, Teplofiz. vys. temp. 4 no. 6: 875-877. N-D '66.
- CRYSTAL LATTICES—DEFECTS**  
Formation of packing defects in tungsten crystals fixed by an electron beam. G. V. Dudko, A. P. Dostanov, O. V. Mitomov. Fiz. met. i metall. 22 no. 1: 33-31 '66.  
[Studying defects in the crystal structure of metals and alloys] Izhivlenie defektov kristallicheskogo stroeniya metallov i sployov. Kiev, Naukova dumka, 1966. 143 p. (Respublikanskiy nauchno-issledovatel'skiy sbornik. Seriya: Metallurgiya)
- CRYSTAL OPTICS**  
Effect of constant electric and magnetic fields on the optical properties of monocrystals in which excitons are generated. I. U. A. T. S. I. A. Koshitskiy, Ukr. fiz. zh. 1 no. 5: 651-663. S-O '66.
- CRYSTAL OSCILLATORS** see Oscillators, Crystal
- CRYSTAL STRUCTURE**  
Secondary stresses during structural transformations. S. D. Volkov, A. A. Vainshteyn, M. L. Komissarova. Fiz. met. i metall. 22 no. 6: 823-827 D '66.
- CRYSTALLINE LENS**  
Antiradiographic study of DNA synthesis in epithelial cells of frog crystalline lens. N. I. U. Sakharova, K. G. Gazarov, V. V. Popov. Arkh. anat., gist. i embri. 51 no. 10: 103-108 O '66.
- CRYSTALLIZATION**  
Applying Blois's variational method in solving Stefan's problem. I. U. A. Samoilovich, Teplofiz. vys. temp. 4 no. 6: 832-837. N-D '66.
- Crystallization of an impure polymer. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Crystallization of binary ammonium sulfate. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Effect of hydrogen phase on primary recrystallization of Ti-11173 alloy. S. S. Gornik, P. I. Likhachev, I. U. B. Likhachev. Izv. vys. uch. zav., khim. 10 no. 1: 123-127 '67.  
Garkavenko, N. I., and N. I. Likhachev. [Methods for studying crystallization of barium in contact with sugar] Sposoby izucheniya kristallizatsii bariya s sugrom. Sposoby izucheniya kristallizatsii bariya s sugrom. Moskva, Izdat. Pishcheprom, 1965. 23 p.  
[MICROFILM]
- Microscopic study of crystallization processes in the solid state of low temperature. G. A. Korolev, A. I. Teodorovich. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
New design of the tape mixing machine. A. V. Likhachev, I. U. B. Likhachev, Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Rotation of isomorphism in solutions and the mechanism of deposition action. M. I. Shkolovskiy, Dokl. AN SSSR. 22 no. 5: 833-838. 1966.  
Separation of crystalline glucose as a double salt with sodium chloride from sulfuric acid solutions. A. V. Likhachev, M. N. Likhachev, A. A. Bonch-Bruyevich, NIGS. 11: 205-215 '66.  
Study in the field of the crystallization of polyethylene. O. V. Romanovskiy, A. V. Likhachev, I. U. B. Likhachev, Izv. vys. uch. zav., khim. 10 no. 1: 123-127 '67.  
Working out a method for the crystallization of ethylene salt from sulfuric acid solutions, preparation of a sample for crystallization. A. V. Likhachev and others. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.
- CRYSTALLOGRAPHY**  
Angular dependence of the magnetic resonance frequency in a single crystal of a solid crystal. I. U. B. Likhachev, I. U. B. Likhachev. Fiz. met. i metall. 22 no. 1: 3310-3319 N '66.  
Calculation of crystallization coefficients of rare earth metals from potassium minimum in peroxide. I. U. B. Likhachev, Geokhimiya. 10 no. 9: 946-948. 1966.  
Conditions of formation and some properties of a rare earth decahydrate. A. A. Likhachev, I. U. B. Likhachev, M. P. Gornik. Zh. neorg. khim. 12 no. 1: 10-11. 1967.  
Dispersion laws for crystals with hexagonal symmetry. N. V. Koshitskiy, V. I. Solov'ev. Izv. vys. uch. zav., fiz. 8 no. 6: 115-118 '66.  
Effect of the initial crystallographic orientation on the crystallization temperature of a wire produced from molybdenum single crystals. I. U. B. Likhachev, Dokl. AN SSSR. 22 no. 5: 833-838. 1966.  
Electro-optical properties of potassium dihydrophosphate and deuterated potassium dihydrophosphate in the region of their phase transitions. A. S. Vainshteyn, A. V. Likhachev, I. U. B. Likhachev. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Paracrystalline Foklorov groups. N. V. Likhachev, I. U. B. Likhachev. Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Photophotometric study of crystal structure. V. I. Solov'ev, M. N. Likhachev, 20 no. 4: 566-568. 1966.  
Morphology of twin crystals. I. U. B. Likhachev, Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Regular point systems of three-dimensional groups as combination of plane nets. N. I. Likhachev, I. U. B. Likhachev, Vest. Mosk. univ. Ser. Fiziol. 21 no. 4: 41-43. 1966.  
Some characteristics of the formation process of a crystalline phase according to data on the crystallization of metals in mineral and rock. M. M. Likhachev, V. I. Solov'ev, Geokhimiya. 10 no. 9: 946-948. 1966.  
Space groups of similitude symmetry. A. M. Zaitsev, Dokl. AN SSSR. 22 no. 5: 833-838. 1966.  
Structure of anhydrous copper alkoxide. A. V. Likhachev, I. U. B. Likhachev, Dokl. AN SSSR. 22 no. 4: 454-457 D '67.  
Studying distribution of the molecular current in the region of anisotropic single crystals. I. I. Likhachev, Dokl. Akad. Nauk SSSR. 22 no. 5: 833-838. 1966.  
Synthesis and crystal structure of SrWO<sub>4</sub>. I. U. B. Likhachev and others. Vest. Mosk. univ. Ser. Fiziol. 21 no. 4: 41-43. 1966.
- CRYSTALLOGRAPHY—CONGRESSES**  
Fifth International Congress of Crystallography. I. U. B. Likhachev, B. B. Zaitsev, Zap. Vses. nauch. konf. 90 no. 1: 121-123. 1961.  
International Fendrov session on crystallography. I. U. B. Likhachev, Dokl. zhur. 10 no. 6: 110-120. 1967.  
Seventh International Congress of Crystallography. I. U. B. Likhachev, Dokl. zhur. 10 no. 6: 110-120. 1967.

Analogs of corticosteroids. Report No. 13: Interaction of 1-bromo-1-acetyl-2-cyclohexanol and its acetate with hydrazinecarboxylic ester, A. A. Akhrem, A. M. Moiseenko, *Izv. AN SSSR, Ser. khim.*, no. 12:2161-2167 '68.

## CYCLOHEXENE

Hydrogenation of cyclohexene and alkyl alcohol on platinum-silica gels. N. I. Dinit'skaya, V. S. Boronin, O. M. Poltorak. Vest. Mosk. un. Ser. 2 Khim. 21 no. 6 106-107 N-D '66.

## CYCLOHEXENEDICARBOXYLIC ACID

Stereochemistry of cyclic compounds. Report No. 68. Stereochemistry of bromination of cis-3-methylcyclohexene-1,2-dicarboxylic acid. V. S. Onishchenko, A. L. Shabanov, V. K. Kuchinov. Izv. AN SSSR Ser. Khim. no. 1 127-132 Ja '67.

## CYCLOHEXENOL

Isomerization of 2,4-dimethyl-2-hepten-6-yn-4-ol and (R,R,5S)-trimethyl-5'-cyclohexen-6'-yl)-3-methyl-1-hexen-5-yn-3-ol. K. A. Anisimov, M. E. Kolobova, O. K. Magomedov. Izv. AN SSSR Ser. Khim. no. 1 212-214 Ja '67.

## CYLONES

Intrusions of cold air in Azerbaijan within the system of central and slow-moving cyclones. I. I. Ismailov. Trudy Azerb. geog. ob-va. 3 71-78 '66.

## CYCLOPENTADIENE

Dipole moments of some adducts of hexachlorocyclopentadiene and their derivatives. B. A. Aibuzov, A. N. Voroshchagin, E. S. Batyeva. Izv. AN SSSR Ser. Khim. no. 12 2080-2086 '66.

Hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl manganese trialkyls in acid media. A. N. Nesmetanov and others. Izv. AN SSSR Ser. Khim. no. 1 30-33 Ja '67.

Kinetics of structural isomerization of the adduct of reaction of 5-methylcyclopentadiene with maleic anhydride. V. A. Mironov and others. Izv. AN SSSR Ser. Khim. no. 12 2213-2215 '66.

Photochemical reactions of cyclopentadienylbiphenyl tetraacetylenes. A. N. Nesmetanov and others. Izv. AN SSSR Ser. Khim. no. 12 2231-2233 '66.

## CYCLOPENTADIENE—DIPOLE MOMENTS

Dipole moments and structure of some polycyclic derivatives of hexachlorocyclopentadiene. B. A. Aibuzov, A. N. Voroshchagin, E. S. Batyeva. Izv. AN SSSR Ser. Khim. no. 1 10-16 Ja '67.

## CYCLOPENTANOL

Catalytic conversion of 1-ethyl-1-cyclopentanol in the presence of hydrogen zeolites and anilines. Kh. I. Areshidze, T. N. Cherkviani, A. V. Dolidze. Soob. AN Gruz. SSR. 44 no. 2 297-301 N '66.

## CYCLOPENTENONE

2,5-Dimethyl-2-cyclopenten-1-one. V. A. Mironov and others. Izv. AN SSSR Ser. Khim. no. 12 2211-2213 '66.

## CYCLOSTOMATA (POLYZOA)

Ecological and physiological adaptations of biocell in Cyclostomata. P. A. Kozhushov, T. N. Ginzova. Dokl. AN SSSR. 172 no. 1 239-238 Ja '67.

## CYCLOTRON RESONANCE

Ion cyclotron resonance in dense plasma with hot electrons. L. V. Dubovoi, V. D. Djalov, V. P. Fedlakov. Pis'ma v red. Zhur. eksp. i teoret. fiz. 1 no. 10 168-169 N '66.

## CYLINDERS

Calculating a cylinder loaded with internal pressure along a part of its length. A. N. Kolich. Vest. mashinosti. 47 no. 1-31-32 Ja '67.

## CYLINDRICAL HARMONICS see Bessel's functions

## CYSTEINE

Study of synthetic polypeptides. Report No. 2: Transitions  $\beta$ -structure-coil into poly-S-carboxymethyl-L-cysteine following changes in pH medium and temperature. N. G. Il'monova and others. Biofizika. 11 no. 5 762-765 '66.

## CYSTEINE—PHYSIOLOGICAL EFFECT

Dielectric structure of a liver cell and its change under the action of radiation and cysteine. K. S. Tikhonov, A. A. Mikhailova. Radiobiologiya. 2 no. 4 523-529 '62.

## CYSTS

Case of a cystoid distension of the maxillary sinus. A. A. Onutkeno. Zhur. uzh., nos. 1 gorl. bol. 19 no. 6 77-78 N-D '69.

Cyst of the epiglottis. A. I. Tsyganov. Zhur. uzh., nos. 1 gorl. bol. 19 no. 6 73-74 N-D '69.

## CYTOCHROME OXIDASE

Some conditions of spectrophotometric determination of the activity of succinic dehydrogenase and cytochrome oxidase in mitochondria of the brain. G. P. Guldova, I. N. Sorokina. Biol. eksp. biol. med. 63 no. 1 41-44 Ja '67.

## CYTOCHROMES

Variability of cytochrome systems in yeast. V. G. Leonova, E. N. Mokhova, N. A. Pomoshchnikova. Mikrobiologiya. 55 no. 6 844-850 N-D '66.

## CYTOGENETICS

Cytogenetic effect of radiation in man. N. P. Boshkov. Med. rad. 11 no. 12 45-52 D '66.

Inhibitors of DNA and protein syntheses as mutagenic agents for mammalian cells in vitro. I. K. Shakhova, F. N. Tolkachova, N. I. Shapiro. Genetika. no. 12 25-33 '66.

Toxic effect of mammalian cell disintegration products, use of selective media for studying somatic cell genetics in mammals in vitro. A. F. Khalilov, O. N. Petrova, N. I. Shapiro. Genetika. no. 12 18-24 '66.

## CYTOLOGIC DIAGNOSIS see Diagnosis, Cytologic

## CYTOLOGY

Electron microscopic study of membranes and some specialized cell surface structures of allantoic epithelium of chick embryo. L. V. Danilov, S. N. Selcanova. Dokl. AN SSSR. 171 no. 4 981-984 D '66.

Konferentsiya po probleme "Vzaimootnosheniya virusa i kletki." Riga, 1966. [Virus and cell, materials] Virus i kletka, [materials] Riga, Zinatne, 1966. 308 p.

## CYTOPLASM see Protoplasm

## CYTOTOXIC DRUGS see Antineoplastic agents

## CZECH LITERATURE—HISTORY AND CRITICISM

Sketches on Transcendentalism and their role in the development of socialist realism in Czechoslovakia in the thirties. N. Kh. Kopystianska. Inoz. filol. no. 6 120-137 '66.

## CZECHOSLOVAKIA—AGRICULTURAL WAGES

Wage schedule in the unified agricultural cooperatives of the Socialist Republic of Czechoslovakia. I. U. G. Evstigneeva. Dokl. 1 soub. VNIESKII. no. 28 115-119 '65.

## CZECHOSLOVAKIA—COAL MINING MACHINERY

Coal mining in Czechoslovakia with scraper-plows and plows. V. P. Trufimov, E. T. Protavkin, V. M. Balykov. Ugol' Ukr. 6 no. 12 42-44 D '62.

## CZECHOSLOVAKIA—COMMUNIST EDUCATION

Some theoretical problems of developing a world outlook in secondary school students. M. Rozenzweig. Sov. pedagog. 31 no. 1 91-109 Ja '67.

## CZECHOSLOVAKIA—COMMUNIST YOUTH

"Whom am I following?" Ludvik Esner. Mol. komm. no. 1 12-15 '66.

## CZECHOSLOVAKIA—CORROSION AND ANTICORROSIONS—TESTING

Scientific basis for rapid atmospheric tests and their applications in Czechoslovak Socialist Republic. D. Chermakova, K. Barton. Zashch. met. 3 no. 1 34-37 Ja '67.

## CZECHOSLOVAKIA—CRIMINOLOGISTS

Some problems in the development of criminological studies in socialist Czechoslovakia. L. Subcit. Vop. pred. pravn. no. 1 171-187 '66.

## CZECHOSLOVAKIA—DESCRIPTION AND TRAVEL

Encounters with Czechoslovakia. I. Radvolina. Nov. mir. 38 no. 10 191-216 O '62.

## CZECHOSLOVAKIA—FINANCE

Dostal', A. A. [Socialist reorganization and development of the monetary credit system of Czechoslovakia] Soetsialisticheskoe preobrazovanie i razvitiye denezhno-kreditnogo sistema Chexoslovaki, Moskva, Nauka, 1967. 104 p.

## CZECHOSLOVAKIA—HISTORY

K. Gutwold's role in carrying out the revolutionary line of the Czechoslovak labor movement. A. I. Nedorozov. Sov. slav. no. 1 28-31 '67.

## CZECHOSLOVAKIA—INSTRUMENTS

Instruments from Czechoslovakia in Erivan. Prom. Arta. 9 no. 11 76 '60.

## CZECHOSLOVAKIA—MOLLUSKS, FOSSIL

Trips to Czechoslovakia. P. L. Merklin. Blat. MOIP. Otd. geol. 36 no. 3 153-155 My-Je '61.

## CZECHOSLOVAKIA—MUNICIPAL SERVICES

Housing and municipal services for workers in Czechoslovakia. I. U. M. Safonov. Gor. khoz. Mosk. 11 no. 1 110-113 Ja '67.

## CZECHOSLOVAKIA—PRECAST CONCRETE CONSTRUCTION

Elements of large-panel apartment houses in the Czechoslovakian Socialist Republic. A. Lauko, A. Kratochvil. Bet. i zhel.-bet. no. 12 563-568 D '61.

## CZECHOSLOVAKIA—PUBLIC PROSECUTORS

Encounters on Czechoslovak soil. S. Gusev, G. Terekhov. Sois. zakon. no. 2 50-59 F '67.

## CZECHOSLOVAKIA—REFRIGERATION AND REFRIGERATING MACHINERY

Refrigeration industry in Czechoslovakia. B. Vanek. Khol. tekhn. 43 no. 11 53-54 N '66.

## CZECHOSLOVAKIA—RELATIONS (GENERAL) WITH RUSSIA

News stories on Russia in the first Czech newspaper. A. S. Mylnikov, T. A. Mylnikova. Sov. slav. no. 1 60-64 '67.

## CZECHOSLOVAKIA—ROADS, CONCRETE

Design of cement concrete pavements in Czechoslovakia. Karel Kurbela. Avt. dor. 24 no. 11 20-10 N '61.

## CZECHOSLOVAKIA—STONE AGE

Principles of the stratigraphy and periodization of the Paleolithic in Czechoslovakia. K. Zhebein. Trudy K. i. etnogr. per. 18 21-39 '61.

## CZECHOSLOVAKIA—SUGAR BEETS—DISEASES AND PESTS

Pozhar, Z. I. [Virus diseases of sugar beets in Czechoslovakia (diagnosis and controlling methods), report of the Soviet agricultural delegation] Virussy i bolezni skhanskoi selskoy v ChSSR (diagnostika i metody bor'by s oboimi sovetskimi sel'skokhozyaystvennymi delegatsiyami, Moskva, 1966. 20 p. (Sel'skokhozyaystvennaya nauka i praktika za rubezhom, no. 9 (40) (DNAL)

## CZECHOSLOVAKIA—VISITORS, RUSSIAN

Encounters on Czechoslovak soil. S. Gusev, G. Terekhov. Sois. zakon. no. 2 50-59 F '67.

## DDT (INSECTICIDE)

Effectiveness of DDT and sevin in controlling rolling moth and their residual quantities in fruits. N. I. Petushina and others. Khim. v sel' khoz. 5 no. 1 73-26 Ja '67.

Effectiveness of the treatment of sugar beet sprouting with DDT preparations, polychlorophenols and their compounds. N. A. Tsiganov. Trudy KESKII. 55 70-85 '67.

Inorganic lubrication of separating funnel slides in filter poisoning. TS. L. Maude. Vopr. pit. 26 no. 6 76 N-D '66.

## DACRON

Use of triallyl isocyanurate in the saturation compounds for tars. N. V. Belinaeva and others. Khim. i tekhn. 26 no. 1 31-35 '67.

## DAGHESTAN—ANTIQUITIES

Kotovitch, V. M. [The upper Guntib settlement, a monument of the Bronze Age of mountainous Daghestan, a contribution to the history of Daghestan tribes of the end of the third and second millennia B.C.] Verkhnyeguntibskoye poseleniye - pamiatnik epokhi bronzы gor'nogo Daghestana, k istorii dagestanskikh plemen v kontse III-II tysyachet' letkh do n. e., Makhachkala, Akad. nauk SSSR, Dagestanskii filial, 1965. 250 p. (CSI-II)

## DAGHESTAN—ARCHIVES

Rapid development of archival work in the Dagestan ASSR. M. R. Dzhabratov. Sov. arkhi. no. 5 6-20 '66.

## DAGHESTAN—EFFICIENCY, INDUSTRIAL

Scientific labor organization in enterprises of "Dagestane razvedka" Trust. U. Dorofeeva. Nefitnik II no. 4 29-30 Ag '66.

## DAGHESTAN—HISTORY

Baimurzaev, A. B. [History of social thought in Daghestan in the second half of the 19th century] Iz istorii obshchestvennoi mysl'i Daghestana vtoroy poloviny XIX veka, Makhachkala, Dagestanskii filial AN SSSR, 1963. 238 p.

## DAGHESTAN—PALEONTOLOGY, STRATIGRAPHIC

Possibility of presence of Lower Turonian in Daghestan. R. A. Kharlamova, F. G. Shadrudinov, R. G. Shadrudinov. Izv. vuz. uch. i. zav. i nauch. i. gaz. no. 6 15-17 '66.

## DAGHESTAN—PEAS

Growing of green peas in Daghestan. I. K. Paganova. Kona. i ov. prom. 17 no. 3 25 Mt '62.

## DAGHESTAN—PHYSICAL GEOGRAPHY

Physiogeographical complexes of the mountains as part of Daghestan. A. E. Fedina. Vest. Mosk. un. Ser. 2 Geog. 16 no. 1 18-51 Ja-F '63.

## DAGHESTAN—PROSPECTING

Scientific labor organization in enterprises of "Dagestane razvedka" Trust. U. Dorofeeva. Nefitnik II no. 4 29-30 Ag '66.

## DAGHESTAN—ROCKS, SEDIMENTARY

Lithological and petrographic characterization of Apelerin sediments in Samur river region of southern Daghestan. A. A. Gullina. Izv. vuz. uch. i. zav. i nauch. i. gaz. no. 6 9-11 '66.

## DAGHESTAN—VEGETABLES—STORAGE

What is more expedient? I. Khepitskii, Zakup. sel'sk. i. prod. no. 11 41 N '66.

## DAIRY FARMS—EQUIPMENT AND SUPPLIES

Mobile machines on dairy farms. V. Agarkov. Tekhn. v sel' khoz. 27 no. 1 24-25 '67.

## DAIRY CATTLE

(see also subdivision under White Russia)

Effect of the age of herd bulls on the quality of offspring  
I. I. Khitina Dokl. ISKHA no. 15:51-55 '69

## DAIRY CATTLE—FEEDING AND FEEDS

Dynamics of nitrogen protein in cow rumen content in relation to various feed rations. Sh. D. Sambov  
Trudy Inst. fiziol. AN Kazakh SSR 10:11-21 '66

Effect of corn silage on physiological state and digestion during dry cow period. B. N. Nikitin Trudy Inst. fiziol. AN Kazakh SSR 10:77-13 '66

Ensilage as feed of cows and the quality of milk. B. N. Nikitin, Trudy Inst. fiziol. AN Kazakh SSR 10:172-178 '66

## DAIRY CATTLE BREEDING

Biological nature of purchased and crossbred cattle. U. A. Azmanov. Dokl. ISKHA no. 15:5-10 '69

Increasing the butterfat content of black and white cattle in pure breeding. A. D. Vilkhynskii. Vestn. AN BSSR, Sci. Ser. Vsesoyuz. nauch. no. 4:120-123 '66

DAIRY INDUSTRY see subdivision under Kherson Province; White Russia

## DAIRY PRODUCTS

On the new products and the quality of milk. N. Lipatov Zakup. i prod. no. 8:57-60 Ag '66

Use of dairy products in the production of baked goods. I. A. Gerasimova, P. Saar Khleb i kond. prom. 11 no. 1:37-39 Ja '67

DAIRYING—ACCOUNTING see subdivision under Dalgarga District

DAIRYING—LABOR PRODUCTIVITY see subdivision under Moscow Province

## DAL', VLADIMIR (YANOVICH), 1881-1872

The work of his life, on the centenary of the publication of V. I. Dal's dictionary. Vestn. Mosk. un. Ser. fiz. i khim. 21 no. 6:124-26 N-D '66

## DAMPING (MECHANICS)

Damping vertical vibrations of locomotives with frictional dampers. V. I. Kalitauov. Vestn. TSNIIMPS 25 no. 7:27-31 '66

Determining the damping properties of blade materials and blade designs. K. A. Prokof'ev, I. A. Vilkhynskii, Fiz. i matemat. nauki 8 no. 10:13-16 O '66

Effect of elasticity of axlebox to frame connections on wavelengths of wobbling of trucks. V. N. Shustakov. Vestn. TSNIIMPS 25 no. 7:32-36 '66

## DAMPNESS IN BUILDINGS

Electroosmotic methods of drying walls and preventive measures to eliminate dampness. B. V. Matveev. Prom. stroit. 39 no. 12:20-34 '61

## DAMS

(see also subdivision under Inguri Hydroelectric Power Station; Volga Hydroelectric Power Station (22d Congress of the CPSU))

Use of the regularization method in the calculation of arch dams. V. A. Morozov, V. I. Ivanishchev. Vych. i matemat. fiz. 5:171-186 '66

DANCING—CHILDREN'S DANCES see subdivision under Latvia

## DANTE ALIGHIERI, 1265-1321

Dalashov, N. I., I. N. Golonishchev-Kutuzov, and A. D. Mishalov, eds. [Dante and world literature] Dante i vseмирnaya literatura. Moskva, Nauka, 1967. 254 p.

## DANTE ALIGHIERI, 1265-1321—TRANSLATIONS, UKRAINIAN

Dante in Ukrainian translations. O. A. Dombravskiy. Luch. fiziol. no. 6:110-120 '66

## DARIO, RUBEN, 1887-1918

Ruben Dario. V. Sleshov. Nov. vrem. 25 no. 6:20 F '67

## DARVAZA RANGE—FRUIT TREES

Some botanical and geographical characteristics of subtropical fruit trees of Darvaza Range. I. G. Chukavin. Izv. Otd. biol. nauk AN Tadzh. SSR no. 3:20-31 '66

## DARVAZA RANGE—WOODY PLANTS

Trees and shrubs of southern slope of Darvaza Range and their participation in vegetation. I. G. Chukavin. Izv. Otd. biol. nauk AN Tadzh. SSR no. 1:21-35 '66

## DASHKESAN REGION (AZERBAIJAN)—MAGNETITE

Some characteristics of geochemistry of titanous-magnetite (tuffaceous facies) of Dashkesan. R. A. Martirosian, K. A. Panakhi. Dokl. AN Azerb. SSR 22 no. 8:73-77 '66

## DASHKESAN REGION (AZERBAIJAN)—VOLCANIC ASH, TUFF, ETC.

Some characteristics of geochemistry of titanous-magnetite (tuffaceous facies) of Dashkesan. R. A. Martirosian, K. A. Panakhi. Dokl. AN Azerb. SSR 22 no. 8:73-77 '66

## DASHSALAHLY REGION (AZERBAIJAN)—ANTIQUITIES

Archaeological materials from the village of Dashsalahly of Kazakh District. I. Naimanov. Dokl. AN Azerb. SSR 18 no. 3:95-99 '62

DATOLITE see subdivision under Alay Range; Avani Valley

DAUGAVA RIVER see Western Dvina River

## DAY NURSERIES

The way to eliminate the surviving traces of inequality of Soviet women in everyday life. A. S. Lysakova. Uch. zap. Sverdlovsk. gos. ped. inst. no. 35:152-157 '66

## DEAF—EDUCATION

Gol'dberg, A. M. [Characteristics of Independent written language of deaf students (2d-4th grades)] Oshennosti samostoiatel'nol pis'mennol rechi glukkhkh shkol'nikov (II-IV klassy). Moskva, Prosveshchenie, 1966. 238 p.

## DEAFNESS

Comparative evaluation of various methods for treating barycolia in otosclerosis. K. L. Khilov. Zh. uchi., no. 1:61-62 no. 1:5-9 J1-Ag '69

## DEATH—CAUSES

Case of sudden death caused by sarcoma of the heart. I. P. Petrenko. Sud.-med. ekspert. 9 no. 4:53-51 O-D '66

Significance of cysts of choroid plexuses in sudden death. A. A. Lukash. Sud.-med. ekspert. 9 no. 4:16-19 O-D '66

## DEATH, APPARENT

General morphological characteristics of terminal and postterminal states following surgery for cardiac defects. I. A. L. Rapoport, E. M. Smirnovskaya, N. V. Arkhangelskaya. Gid. khim. 9 no. 1:30-14 Ja-F '67

## DEBAL'TSEVO (DONETSK PROVINCE)—MACHINE-BUILDING INDUSTRY

The working conditions have been neglected. V. Shitelev. Part. zhurn. no. 3:68 F '67

## DECARBOXYLASES

Heterogeneity of Salmonella enteritidis population in respect to decarboxylase activity. N. M. Iuditskaya. Zh. mikrobiol., epid. i immun. 44 no. 1:58-61 Ja '67

## DECIMAL CLASSIFICATION see Classification, Decimal

## DECONTAMINATION (FROM GASES, CHEMICALS, ETC.) see subdivision under Minsk

## DECORATIONS OF HONOR

In the Presidium of the Supreme Soviet of the U. S. S. R. Vest. stat. no. 1:67-77 '67

## DECORATIVE ART see Art, Decorative

## DEEP DRAWING (METALWORK)

Determining contact areas during heading of bottoms. V. I. Zolotarev, A. G. Khelev, R. A. Kolmakov. Izv. vuz. uch. zav., Chern. met. 10 no. 1:101-106 '67

## DEEP-SEA MOORINGS

Calculating displacements of anchor slabs in mooring structures. O. A. Amharlan. Trapp. stroit. 16 no. 4:40-50 '66

## DEER

Effect of deer on reforestation. D. V. Vladysheva. Kys. i zh. hosp., lit., pap. i dokl. prom. no. 1:20-22 Ja-F '67

## DEER—PARASITES see Parasites—Deer

## DEFENSE (CRIMINAL PROCEDURE)

Collected forensic orations of defense counsels. K. Osi-pov. Sov. iust. 31 no. 3:16 F '67

## DEFORMATIONS (MECHANICS)

Actual deformation of sealing element of packer when opening of formation losters. G. D. Sukhonosov. Neft. khim. 14 no. 12:23-24 D '66

Analysis of temperature and speed dependence of yield limit and flow stress in armco iron in the low temperature range. D. G. Ryvkin, V. D. Laroshavich. Fiz. met. i metalloved. 22 no. 6:809-816 D '66

Applicability limits of the slip line method in pressure working of metals. V. S. Sidorov, V. A. Lunev. Trudy LPI no. 260:43-45 '65

Axisymmetric dynamic problem concerning a stamp on an elastic half-space. V. B. Poruchikov. Vost. Moskv. un. Ser. I. Mat. mekh. 21 no. 6:114-120 N-D '66

Calculating multi-span suspension bridges taking into consideration deformations of system. I. S. Durov. Stroit. mekh. i mash. soor. 9 no. 1:21-25 '67

Calculation of the lateral deformation of "P" type heavy-duty tires. V. N. Prashchkin. Kauch. i rez. 25 no. 12:33-34 '66

Carrying capacity of reinforced concrete slabs weakened by openings. R. V. Zinov'eva, S. M. Krylov. Stroit. mekh. i mash. soor. 9 no. 1:28-30 '67

Causes of damaging of reinforced concrete supports of rotary cement mills. V. Podolskiy and others. Prom. stroit. i mash. soor. 8 no. 6:3-5 N-D '66

Center of deformation during finish forging. K. K. Mer-tens. Trudy LPI no. 260:93-97 '65

Change in shear modulus of deformed nickel in magnetic field. V. I. Fianut. Dokl. AN BSSR 10 no. 11:856-858 N '66

Complex study of parameters of the rolling process with steel; relative reduction. I. U. M. Chazhko. Stroit. TSNIICHIM no. 44:131-136 '66

Deformation of fiber glass during repeated static bending. S. F. Glazov. Plast. massy no. 1:58-61 '67

Designating-shaped elliptic plate for minimum weight. F. G. Shamov. Izv. AN Azerb. SSR. Sci. Ser. Fiz.-tekhn. i mat. nauk no. 1:23-27 '66

Determining coefficients of deformation during rolling in breakdown passes. N. Kh. Davitbekov. Trudy LPI no. 260:46-49 '65

Determining deformation limits during tube drawing without mandrels. I. U. M. Shevkin, P. V. Savvin, V. Kh. Kas'yan. Izv. vuz. uch. zav., Chern. met. 10 no. 1:114-117 '67

Effect of creep and aging on stability of compressed rods. I. E. Prokopovich. Stroit. mekh. i mash. soor. 9 no. 1:5-9 '67

Effect of plastic deformation and aging on mechanical properties of Al-Mg alloys. N. M. Beloslov and others. Fiz. met. i metalloved. 22 no. 6:904-908 D '66

Effect of plastic deformation on physical properties of iron-nickel alloys alloyed with titanium. A. M. Tseitlin, V. I. Zubov. Fiz. met. i metalloved. 22 no. 6:917-923 D '66

Effect of the structural parameters on the resistance against lateral deformation of castings. B. I. Ukovskii. Kauch. i rez. 25 no. 12:35-37 '66

Improved methods of determining transverse deformations of metal during rolling in breakdown passes. N. Kh. Davitbekov, A. K. Giger'ev. Trudy LPI no. 260:55-59 '65

Increase in width and deformation efficiency during rolling in breakdown grooves. N. M. Podasov, I. N. Kaloshin. Izv. vuz. uch. zav., Chern. met. 10 no. 1:87-91 '67

Investigating strength of pipes with protective coatings when undergoing deformation. G. I. Chasov. Neft. khoz. 44 no. 11:37-41 N '66

Isotropic and anisotropic changes in electric resistance, thermoelectricity, and Hall coefficient following plastic deformation in aluminum. V. I. Prokoshin. Dokl. AN BSSR 10 no. 11:859-863 N '66

Localization of deformations in the process of high-temperature creep. K. K. Ziling. Fiz. met. i metalloved. 22 no. 6:931-935 D '66

Mechanical equation of state. V. A. Likhachev, V. I. Vladimirov. Fiz. met. i metalloved. 22 no. 1:511-519 O '66

Method for studying propagation of plastic deformation under dynamic loading. V. P. Severdenko, R. L. Ryzhkovich. Dokl. AN BSSR 10 no. 11:847-848 N '66

Methods of studying bulging forces during sheet-metal work. V. V. Gubarov, S. A. Rastopchin. Izv. vuz. uch. zav., Chern. met. 10 no. 1:110-113 '67

Plastic deformation of crystalline ammonia. D. M. Bol'shukhin, A. I. Prokhorov, T. V. Silvestrova. Ukr. fiz. zh. 11 no. 12:1373-1377 D '66

Problem involving the passage of a longitudinal wave through a pulley. F. D. Treimanov. Izv. AN Azerb. SSR. Ser. fiz.-tekhn. i mat. nauk no. 4:37-42 '66

Propagation of a crack having a shape nearly circular in the plane. V. V. Panasiuk. Dop. AN URSSR no. 7:891-895 '62

Properties of carbon rail steel and 40KhN steel following hardening and quenching and isothermal treatment. M. V. Pridantsev, A. G. Nikonov. Izv. AN SSSR. Mel. no. 1:87-104 Ja-F '67

Residual deformations following the deep impression of a stamp into a brittle porous medium. I. I. Cherkasov. Dokl. AN SSSR 171 no. 4:844-846 D '66

Residual deformations of a rod with a nonuniform coefficient of thermal expansion under cyclic heat conditions. A. M. Kosevich, I. N. Kibets, L. D. Sheptovitskii. Fiz. met. i metalloved. 22 no. 6:818-822 D '66

Role of twinning in the process of the plastic deformation of titanium. L. P. Odintsova. Izv. AN SSSR. Met. no. 1:134-139 Ja-F '67

Simultaneous effect of plastic deformation and aging on structure and properties of Ti-6Al-4V titanium alloy. R. M. Lohman and others. Fiz. met. i metalloved. 22 no. 4:591-597 O '66

Stability of a cylindrical ring reinforced by a flexible cable. G. G. Aliev. Izv. AN Azerb. SSR. Ser. fiz.-tekhn. i mat. nauk no. 4:35-36 '66

Study of the effect of the drop of relative humidity of the air on the deformation of leather parts during the manufacture and storage of footwear. G. S. Klimchuk, I. U. P. Zybin. Izv. vuz. uch. zav., tekhn. i mash. soor. no. 9:85-89 '66

Studying deformations and crack formation in thin chromium foil. V. I. Trefilov, S. A. Firatov. Fiz. met. i metalloved. 22 no. 4:611-618 O '66



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## DIAGNOSIS

Mobility of compounds and its effect on formation of diastematic connections. IU V Shurubov. Dokl AN SSSR 172 no 3 700-702 Ja '67

## DIAGNOSIS, CYTOLOGIC

Colposcopy and cytodiagnosis in prophyllactic elimination. V I Glinzman. Izv Otd biol nauk AN Uzb SSR no 3 11-17 '66

Cytochemical diagnosis of amyloidosis. G. A. Dashatani. Shrii muchi trid SOGMI no 10 15-51 '61

## DIAGNOSIS, DIFFERENTIAL

Attempt to use electronic digital computers for differential diagnosis of language disorders. I S Gogunov, P. I. Kozlov. P. A. Ikhichestvo Sov. med. 29 no 10 18-70 O '66

Basic errors in the diagnosis of acute pneumonitis. A. G. Dzhamb, R. B. Dzhamb. Sov. med. 30 no 17-19-61 Ja '67

Differential diagnosis of atypical forms of rheumatic carditis and thyrotoxicosis. E. A. Reznitskaya. Shrii muchi trid SOGMI no 10 57-59 '61

Differential diagnosis of cancer of the sigmoid and rectum and dysentery. A. I. Buldakova, G. M. Antonov. Sov. med. 29 no 10 36-38 O '66

Differential diagnosis of cerebral tumors and cerebral vascular pathology. S. G. Akhmedov. Azrii, med. zhur. 43 no 12, 228-31 D '66

Differential diagnosis of the shadow of the thymus gland and anteroposterior mediastinal pleu. in children. G. B. Bolum. Vest. rent. i rad. 11 no 6:21-29 N-D '66

Endoscopic masks of gastric neoplasms. G. I. Giczer. Sov. med. 30 no 121-125 Ja '67

Improvement of laboratory diagnosis of salmonellosis. V. A. Kolesov and others. Zhur. mikrobiol., epid. i immun. 44 no 1 67-70 Ja '67

Observations on patients with endotoxinemia syndrome. S. I. Lilenko. Trudy LPMI 37:116-154 '65

## DIAGNOSIS, RADIOSCOPIC

Comparative evaluation of radiological methods of diagnosis in alpha-tocopherol deficiency of the vessels. Zhur. nevro. i psikh. 62 no 11:163-168 '62

Diagnostic possibilities of radiography in severe cerebrovascular trauma. M. V. Tsvykh, V. T. Pustovitenko. Vest. rent. i rad. 11 no 6:45-50 N-D '66

Distribution of <sup>131</sup>I-labeled fibroblasts in organs and tissues of mice with transplanted tumors. N. V. Gispertovich. Med. rad. 12 no 12:58-59 D '66

Endoscopic and X-ray parallel in dysentery. D. M. Gukhman. Sov. med. 29 no 11:110-114 N '66

Use of radioiodination method in malignant neoplasms using P<sup>32</sup>. V. Kh. Pritsent, S. V. Shchurukova. Med. rad. 12 no 1 47-46 Ja '67

Methodology for determining lead standards in X-ray diagnosis. I. G. Giczer, V. P. Viktorina, J. N. Giczerova, G. I. Giczer. Vest. rent. i rad. 11 no 6:65-70 N-D '66

Melanin safety measures used against irradiation in X-ray diagnosis. I. B. Boller, Gy. Kozak, Vest. rent. i rad. 11 no 6:61-66 N-D '66

Radioisotope renography in hypertensive states. I. P. Korotuk. Med. rad. 12 no 1 45-57 Ja '67

Results of clinical and X-ray observations in compound treatment of malignant tumors of the ovaries. I. Valikina-Shteyn, K. Ambrozovits, Vop. onk. 13 no 1, 38-41 '67

Results of the clinical use of X-ray television. I. Kh. Rabkin. Vest. rent. i rad. 11 no 6:13-11 N-D '66

Significance of radiocinefunctional examination of respiration in early diagnosis of cancer of the bronchus. A. I. Sadov'ev, Vop. onk. 13 no 1, 18-20 '67

Significance of X-ray examination methods in the diagnosis of acute valve insufficiency. I. U. S. Petrovskiy, E. L. Kuzmina, G. T. Golikov. Vest. rent. i rad. 11 no 6:11-16 N-D '66

Study of the function of artificial retrosternal esophagus made from the large intestine using a contrast medium. I. Kh. Rabkin, A. F. Khasslova. Grud. khir. 9 no 1:102-106 Ja '67

Tracheal stenosis in X-ray diagnosis. I. A. L. Shih. Vest. rent. i rad. 11 no 6:18-20 N-D '66

X-ray diagnosis of arteriovenous aneurysms of large cerebral vessels. F. D. Podolskiy, G. S. Danilenko, A. P. Burditskiy. Vest. rent. i rad. 11 no 6:58-61 N-D '66

X-ray diagnosis of chondromatosis of joints. I. I. Shakov, K. B. Polatkhanova, Z. D. Dzhafarova, Azrii, med. zhur. 43 no 12 15-20 D '66

X-ray diagnosis of cranial chordoma. G. A. Litvakovskaya. Vest. rent. i rad. 11 no 6:77-80 N-D '66

X-ray diagnosis of esophagitis. G. I. Rozenfeld, Zhur. ush., nos. i goi. bol. 10 no 6:63-66 N-D '66

## DIAL TELEPHONE see Telephone, Dial

## DIALECTIC

Bosenko, V. A. [Dialectic as a theory of development] Dialektika kak teoriya razvitiya. [Kiev] Izd-vo Kievskogo univ., 1965. 248 p.

Dialectical transition and dialectical contradictions. A. K. Kuchin. Uch. zap. Sver. gos. ped. inst. no 35:100-212 '66

Manifestation of the law of negation of negation in the rhythm in development of correlation between structure and its elements in phenomena. G. M. Efimov. Vest. LGU 21 no 2:146-152 '66

## DIALECTICAL MATERIALISM

Bosenko, V. A. [Dialectic as a theory of development] Dialektika kak teoriya razvitiya. [Kiev] Izd-vo Kievskogo univ., 1965. 248 p.

Categories of attraction and repulsion. I. A. Loifman. Nauch. dokl. vyssh. shkoly, filos. nauki 4 no 1 77-85 '61

Cognition and practice. M. Zlonina. Komm. Ukr. 36 no 9:67-71 S '60

Correlation of subjective and objective in practice. IU P. Bukharov. Nauch. dokl. vyssh. shkoly, filos. nauki 1 no 1:69-67 '61

Dialectics of the comparative method in natural sciences. I. I. Ibragimov. Izv. Akad. nauk 38 no 4 13-63 '65

Mathematical dialectics as a method of scientific study. N. M. Mikhovskaya. Nauch. trudy TashGU no 279 5-25 '65

New falsifications of historical materialism by American pragmatists. A. I. T. Ratenko. Nauch. dokl. vyssh. shkoly, filos. nauki 1 no 1 44-51 '61

Quantity, quality, and structure. V. V. Agudov. Vop. filos. 21 no 1 50-66 '67

Russia (U.S.S.R.). Upravleniye prepodavaniiya obshchestvennykh nauk. [Recommended subjects for test papers on the principles of philosophical knowledge; for secondary vocational correspondence schools in "Public health" and "Art"] Tematika kontrol'nykh rabot osnovov filosofskikh znaniy, dlya zaochnykh srednikh spetsial'nykh uchebnykh zavedeniy (po spetsial'nostiam "Zdavaokhraneniye" i "Zkusstvo"). Moskva, Mysl', 1965. 19 p.

Spilkin, A. G. [Course in Marxist philosophy] Kurs marksizmskoi filosofii. Izd. 2, perer. i dop. Moskva, Mysl', 1966. 541 p.

## DIALYSIS

Applying the dialysis method in the study of the state of niobium and tantalum in solution. A. K. Babko, H. I. Havchyna. Dop. AN URSR no 7 823-824 '62

## DIAMAGNETISM

Diamagnetism of bound polarons. IU. E. Forlin, Sh. N. Gifelman. Fiz. tver. tela 8 no 1:324-333 N '66

## DIAMONDS

(see also subdivision under Ukraine)

Simple crystals for synthesis of synthetic diamond. A. S. Vishnevskiy, O. V. Sukhodol'skaya. Min. shor. 20 no 1 573-576 '66

Zonal distribution of impurities in diamond crystals. P. N. Kodolov and others. Dokl. AN SSSR 172 no 1 181-188 Ja '67

## DIAMONDS, ARTIFICIAL

Artificial production of a Ballas-type diamond. I. A. Kalashnikov and others. Dokl. AN SSSR 172 no 1:76 Ja '67

Basic morphological types of crystals of synthetic diamond. Z. V. Bartoshinskii. Min. shor. 20 no 1 16-21 '66

Some data on characteristics of finest relief of crystal facets of synthetic diamond. Z. V. Bartoshinskii, V. A. Makarov. Min. shor. 20 no 2 156-160 '66

## DIAMONDS, INDUSTRIAL

Diamond honing of hardened cast-iron cylinder sleeves. I. P. Prugin. Stan. i instr. 37 no 12:26-29 D '66

Grinding rolls with diamond wheels. V. N. Bakul', A. A. Sagarda, L. L. Mishnevskii. Mashinostroitel' no 1:26 Ja '67

Increasing machine-tool rigidity for diamond grinding. A. M. Davidson, M. P. Bondar. Stan. i instr. 37 no 12 34-35 D '66

Increasing the efficiency of surface grinding with diamond wheels on universal grinding machines. A. D. Davidson. Avi. prom. 32 no 12:33-34 D '66

[Machining machinery materials with diamond tools] Obrabotka mashinostroitel'nykh materialov almaznykh instrumentami. Moskva, Nauka, 1965. 260 p.

Rusakov, K. I., and I. I. Sychev. [Diamond tools for construction and road machinery; survey of patents] Almaznyy instrument dlia stroitel'nykh i dorozhnykh mashin obzor patentov. Moskva, NIITsO mashinostroitel'noy promyshlennosti, 1965. 56 p. Seriya 1. Stroitel'nye i dorozhnye mashiny

Straightening conditions for diamond wheels. D. I. Anel'skiy, S. N. Filonenko. Tekh. i org. proizv. no 6:34-38 N-D '66

## DIAMONDS, INDUSTRIAL--TESTING

Wear of the diamond tool of rock cutter-loader actuating mechanisms operating along the principle of breaking away the rock from the mass. A. F. Kichigin and others. Izv. vys. ucheb. zav. i gor. zhur. 8 no 10:88-91 '65

## DIAPYCNOSIS

Nymphal diapause in the tick Ixodes ricinus L. Report No. 1: Behavior of hungry nymphs and development of replete nymphs in relation to photoperiodic conditions. V. N. Belozorov. Med. parazit. i parazit. bol. 35 no 6:723-729 N-D '66

## DIAPHRAGM--HERNIA see Hiatal hernia

## DIAPHRAGM--SURGERY

Surgical treatment of hernia of the esophageal hiatus of the diaphragm. B. V. Petrovskiy, N. N. Kamsan. Khirurgiya 38 no 11 3-11 N '62

## DIAPHRAGMS (MECHANICAL DEVICES)

Space loading of spans with various numbers of diaphragms. E. I. Shil'man, A. P. Varyak, A. A. Potapkin. Transp. stroit. 16 no 4 44-15 Ap '66

Study of some factors determining the functional ability of rubber diaphragms. M. V. Vafarova. Kauch. i rez. 25 no 12 31-37 '66

## DIASOLES

Possibility of using technical diasoles for histochemical detection of nonspecific esterase. G. M. Nikolaev, G. I. Matkov. Vkh. pat. 28 no 12 71-72 '66

## DIASPORE see subdivision under Tarbagatay Range, Transcarpathia

## DIATASE see Amylase

## DICKITE see subdivision under Aptash region (Tashkent Province)

## DIELECTRIC CONSTANT

Dielectric relaxation in concentrated solutions of certain halogen derivatives of benzene. L. M. Ivanov, K. E. Zolotarev. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no 5 39-44 '62

Dielectric structure of a liver cell and its change under the action of radiation and cysteine. K. S. Turcher, A. A. Mikhaylova. Radiobiologiya 2 no 4 523-528 '62

Heat transfer from a flat plate with natural convection of a nonconducting liquid in an electric field. I. I. T. Burbuliy, M. K. Bologa, I. A. Kozhukhina. Elek. obit. mat. no 1 57-61 '66

Self-focusing of powerful light beams related to thermal effects. A. G. Litvak, P. V. V. V. Zhur. eksp. i teoret. fiz. 4 no 9:311-345 N '66

## DIELECTRICS

Dielectric properties of a medium with flat particle impurities. R. M. Zaidel', Elektrichestvo no 1 69 Ja '67

Effect of divalent impurities on the electroconductivity of solid dielectrics in strong electric fields. A. V. Baranov, N. I. Dimova. Izv. vys. ucheb. zav., fiz. 9 no 6:140-150 '65

Microscopic structural anisotropy of industrial products. V. N. Rudakov and others. Defektoskopiya 2 no 5:107-112 '66

Reflectivity of a single-layer dielectric coating in the case of light falling at an angle equal to or greater than the critical angle of total reflection. I. M. Minkov. Opt. i spekt. 21 no 5:621-629 N '66

Studying the surface ionization of dielectrics by determining conditions of the discharge. O. D. Barantseva, V. A. Malyazhev, Elek. obit. mat. no 1:43-50 '66

## DIELECTRICS--OPTICAL PROPERTIES

One mechanism of broadening of optical absorption lines in ferroelectrics. V. A. Popov. Fiz. tver. tela 8 no 1:339-344 N '66

## DIENCEPHALON--DISEASES

Electrode activity of the cerebral cortex in lesions of the diencephalon and brainstem. O. F. Makarchenko, M. L. Horbach, A. I. Eryash. Fiziol. zhur. [Ukr.] 12 no 6 605-614 N-D '66

Gas exchange in some forms of diencephalic pathology. I. A. Matkova. Probl. endok. i gorm. 8 no 6 62-67 N-D '66

Some problems of the clinical aspects and etiology of the diencephalic syndrome. V. I. Vlasova. Trudy Tur'y. nauch.-issl. inst. klin., kur. i fiz. metod. lech. 8 84-106 '65

## DIES (METALWORKING)

Dies for blanking and drawing billets. V. A. Volkov. Mashinostroitel' no 1:39 Ja '67

Dies for cutting shaped pipe ends. B. A. Udakov. Mashinostroitel' no 1:39 Ja '67

Dies for stamping parts of liquid cast iron. E. I. Verbitskiy, I. N. Mekhed, V. A. Chalka, Prom. Bel. 10 no 2:31-32 F '67

Effect of prestressing on the strength of hammer dies. M. A. Shalva, G. K. Gorobets, Tekh. i org. proizv. no 6 43 N-D '66

Shalva, S. D. [Regularities of wear and methods of increasing the durability of blanking dies] Zakonomernosti iznosa i metody povysheniya slozosti vyrobnykh stamptov. Kazan', Tatarskoe knizhnoye izd-vo, 1965. 86 p.

## DIESEL ENGINE INDUSTRY--MANAGEMENT

Introducing new technological processes in the manufacture of tractor and combine engines. L. M. Keras'. Tekh. i org. proizv. no 6:93-98 N-D '66

## DIESEL ENGINES

Effect of fuel concentration on precombustion processes in diesel engines. E. D. Olfert, *Enginostroeniye* 12 no. 11-12 '66.  
The 40D diesel engine. G. V. Dzhurav, *Enginostroeniye* 6 no. 9-10 '66.  
Modern views on the development of the working process of diesel engines for trucks and tractors. K. K. Molochko, *Trakt i sel'mash* no. 15-9 '67.  
Study of gas exchange in a high-speed four-cycle diesel engine. In the final publication through V. S. Orlov, M. G. Glogov, I. U. I. Glogov, *Trakt i sel'mash* 30 no. 1-2 '66.

## DIESEL ENGINES—DESIGN AND CONSTRUCTION

Industry-wide conference on diesel engine construction. L. K. Kallera, *Enginostroeniye* 6 no. 10-12 '66.  
New developments in diesel engine design and construction. *Enginostroeniye* 6 no. 10-12 '66.  
Selecting dimensions of sleeve openings at the pump plunger of a high-speed diesel engine. V. E. Gorbanevskii, *Avtotransp.* 32 no. 12-14 '66.

## DIESEL ENGINES—EQUIPMENT AND SUPPLIES

Manufacture of gaskets from wire. N. A. Palliov, *Trakt i sel'mash* 30 no. 1-11 '66.

## DIESEL ENGINES—FUEL SYSTEMS

Balakhin, V. I., A. F. Eliseev, and D. N. Semenov. [Fuel equipment of high-speed diesel engines] *Toplinsaya apparatura vysokoskorostnykh dizelov*. Leningrad, Mashinostroyeniye, 1967. 298 p.

Correction of the flow rate characteristics of diesel engine fuel pumps. R. V. Rusinov, *Enginostroeniye* 6 no. 10-12-25 '66.

## DIESEL ENGINES—LUBRICATION

Prevention of the burning of the oil of 10D100 diesel engines. I. S. Zelenitskaya, S. N. Shtrigol'skaya, *Elek. i topl. tsiha* 10 no. 11-31-32 '66.

## DIESEL ENGINES—STARTING

Effect of scaled piston-ring locks on starting properties of a diesel engine. B. A. Gintsburg and others. *Avtotransp.* 33 no. 1-14-16 '67.  
Problem of prestarting heating of diesel locomotive engines. V. I. Varava, *Sbor. trud. LIZHT* no. 232 95-106 '64.

## DIESEL ENGINES—SUPERCHARGERS

Forcing a diesel engine by speed and loading. A. D. Gintland, *Tekhn. i org. proiz.* no. 6-104-106 N-D '66.

## DIESEL ENGINES—TESTING

Effect of increased resistance of the exhaust system on the diesel piston temperature of two piston diesel compressors. G. F. Karataev, *Enginostroeniye* 6 no. 9-26-27 '66.

## DIESEL FUELS

(See also subdivision under Arian Oil Field)

Corrosive properties of sulfur-bearing diesel fuels in storage. M. M. Rafiev and others. *Sbor. trud. AzNII NP* no. 3-92-101 '58.  
Determination of mechanical admixtures in diesel fuels. N. Krasnolutskaia, *Rech. transp.* 20 no. 7-34-35 '61.  
Effect of unsaturated hydrocarbons on tendency of diesel fuels to form precipitates on needles of atomizers. B. A. Englin, E. G. Kuznetsov, *Neftepr. i neftekhim.* no. 10-7-10 '66.  
Filtration of diesel fuels. L. A. Emel'yanov, *Enginostroeniye* 6 no. 9-30-10 '66.  
Gasoline and oil starting mixture. V. Zakharinskii, *Tekhn. i sel'mash* 21 no. 12-16 '61.  
Production of diesel oil from Nefteyago Karani crudes by a direct deasphalting of fuel oils. A. M. Kuliev and others. *Sbor. trud. AzNII NP* no. 3-174-180 '58.

## DIESEL FUELS—ADDITIVES

Synthesis of aliphatic amines and their derivatives, and testing them as anticorrosive additives to sulfur-bearing diesel fuels. V. I. Masumian, M. M. Rafiev, *Sbor. trud. AzNII NP* no. 3-102-109 '58.

## DIESEL FUELS—ANALYSIS

see subdivision under Diesel-Donets Lowland

## DIESEL LOCOMOTIVES

Advice on the operation of TEPIGI series diesel locomotives. S. M. Mel'nik, *Elek. i topl. tsiha* 10 no. 11-37-40 '66.  
Calculating automatic control systems for hump engines. I. G. Serganov, *Vest. TSNII MPS* 25 no. 8-18-21 '66.  
Considering nonlinearity in the proportional-plus-integral controller of speed of diesel internal combustion engines. F. F. Saburov, *Sbor. trud. LIZHT* no. 232-67-80 '61.  
M751 and M753 diesels are capable of better operation. V. M. Gudkov, Kh. Sh. Fazlulaev, *Elek. i topl. tsiha* 10 no. 11-16-17 '66.  
Method for checking the operation of the fuel supply system of a diesel engine. I. F. Protchenko, *Elek. i topl. tsiha* 10 no. 12-11 '66.  
More on the slippage of large diesel locomotives. K. F. Gorchakov, *Elek. i topl. tsiha* 10 no. 12-18-19 '66.

Special features of the assembly of axial reducing gears of TG102 diesel locomotives. I. V. Ol'shchikov, *Elek. i topl. tsiha* 10 no. 12-21 '66.

## DIESEL LOCOMOTIVES—AUTOMATIC TRAIN CONTROL

Automatic engine drivers for freight diesel locomotives: objectives and principles of achievement. F. I. A. Gakkul', *Sbor. trud. LIZHT* no. 232-31-38 '61.

Extreme-impulse control of power circuits of diesel locomotives. M. A. Nizulin, L. L. Shegalov, *Sbor. trud. LIZHT* no. 232-81-88 '61.

## DIESEL LOCOMOTIVES—COMPRESSORS

Improving efficiency of four-cycle diesel locomotive engines with pressure charging. E. N. Resharov, *Vest. TSNII MPS* 25 no. 8-15-17 '66.

## DIESEL LOCOMOTIVES—COOLING

Diagrams for cooling pyrazolized air in diesel locomotives. V. I. Evanko, *Vest. TSNII MPS* 25 no. 7-20-27 '66.  
Our experience in the prevention of water leakage in the TG102 diesel. V. I. Doroshenko, *Elek. i topl. tsiha* 10 no. 12-23-26 '66.  
Selecting optimal indices for cooling systems with intermediate heat exchangers. V. I. Polukhinov, *Vest. TSNII MPS* 25 no. 7-23-27 '66.

## DIESEL LOCOMOTIVES—DESIGN AND CONSTRUCTION

[D70 diesel locomotives] *Toplovoznizy dizel D70*. Moskva, Transport, 1966. 63 p.  
Gas turbine pressure charging of two-stroke diesel engines. P. S. Morgulis, V. G. Perfilov, *Enginostroeniye* 6 no. 10-45-47 '66.

## DIESEL LOCOMOTIVES—ELECTRIC EQUIPMENT

Effect of charge conditions and density of electrolyte on the life of storage batteries. V. A. Koshevoi, *Elek. i topl. tsiha* 10 no. 11-22-23 '66.  
Emergency excitation of the generator of the TEP10 diesel locomotive. M. N. Biatukov, A. L. Ivanov, *Elek. i topl. tsiha* 10 no. 12-37 '66.  
Emergency excitation of the main generator. D. G. Lyudakov, *Elek. i topl. tsiha* 10 no. 11-10-11 '66.  
Failure of an auxiliary generator. D. A. Boer, *Elek. i topl. tsiha* 10 no. 11-41 '66.

Fundamentals of analysis and synthesis of power circuits of diesel locomotives with electric transmission. M. A. Nizulin, *Sbor. trud. LIZHT* no. 232-80-84 '64.

Operation of voltage adjusters in the TG102 diesel locomotive. V. B. Zdrinov, *Sbor. trud. LIZHT* no. 232-107-112 '64.

Problem of calculating diesel locomotive storage batteries. V. V. Strukov, *Sbor. trud. LIZHT* no. 232-60-66 '64.

Using reliability theory in investigating power equipment of diesel locomotives. V. V. Strukov, *Sbor. trud. LIZHT* no. 232-134-132 '64.

## DIESEL LOCOMOTIVES—HYDRAULIC DRIVING

Analytical determination of bifurcation values of automatic control system parameters of diesel locomotives hydraulic transmissions. L. F. Pashkova, V. I. Lobanov, *Sbor. trud. LIZHT* no. 232-30-43 '64.  
Basic equations of dynamics of switching degrees of speed in multi-calculation hydraulic transmissions of diesel locomotives. F. F. Saburov, *Sbor. trud. LIZHT* no. 232-133-141 '64.

## DIESEL LOCOMOTIVES—MAINTENANCE AND REPAIR

New technology in the repair of traction motors. S. G. Zhalkin, *Elek. i topl. tsiha* 10 no. 11-11 '66.  
One should step-up the inspection of bearings. V. V. Ovsil, *Elek. i topl. tsiha* 10 no. 11-34 '66.  
Repair of the engine blocks of diesel trains. Kh. Sh. Fazlulaev, V. M. Gudkov, *Elek. i topl. tsiha* 10 no. 12-7 '66.  
Shouldn't the bench be modernized? A. D. Bazhenov, V. I. Tereshchenko, *Elek. i topl. tsiha* 10 no. 11-33 '66.  
Technology of the installation of crankshafts. D. G. Stetsenko, K. I. Tereshchenko, *Elek. i topl. tsiha* 10 no. 12-22-23 '66.

## DIESEL LOCOMOTIVES—VIBRATION

Silicone damper of torsional vibrations of high-speed diesel engines. V. G. Poyvyslin, M. P. Shirinov, *Enginostroeniye* 12 no. 11-36-39 '66.

## DIET IN DISEASE

Diet for patients following fenestration of the labyrinth. A. R. Khanamirov, A. I. Verbenko, *Zhur. uzh.* no. 1-101, 101 no. 4-38-43 '61-62.  
Effect of high-protein diet on changes in spontaneous secretion of intestinal and pancreatic glands in chronic colitis and enterocolitis patients. N. I. Tkislenko, T. N. Zhitler, *Vop. pit.* 25 no. 6-24-29 N-D '66.

Stepashkina, K. I., and B. N. Moshkov. [Therapeutic diet at home] *Lechebnoe pitanie v domashnikh usloviyakh*. 2, ispr. izd. Kiev, Zdorov'ia, 1967. 223 p. (DNLN)

## DIET IN DISEASE—HANDBOOKS, MANUALS, ETC.

Skulme, K., ed. [Handbook of therapeutic nutrition] *Arsinitskaya uztura rokasgramata*, 2, parlabotais un popludinatis izdevums. Riga, Zvaigzne, 1966. 280 p. [in Latvian] (DNLN)

## DIETHYLAMINE

Preparation and properties of N-alkoxydiethylamines. B. V. Tronov, I. M. Dorovoi, I. N. Pershinov, *Zhur. TGU* 103-6-10 '65.

## DIFFERENCE EQUATIONS

Gelfond, A. O. [Calculus of finite differences] *Tekhnicheskoe koncheykh laznostel*. Izd. 3, Izp. Moskva, Nauka, 1967. 376 p.  
Regularization on difference schemes. A. A. Gurevskii, *Zhur. vych. mat. i mat. fiz.* 7 no. 1-62-63 '67.

## DIFFERENTIAL DIAGNOSIS

see Diagnosis, Differential

## DIFFERENTIAL EQUATIONS

Application of the theory of additive functionals to stochastic differential equation. L. L. Zheleznyy, *Dif. urav.* 2 no. 11-1575-1510 N '66.  
Approximate integration of equations describing oscillations of nonlinear systems with slowly varying parameters. Dop. AN URSR no. 1-676-1007 '67.  
Approximate integration of (nonlinear) problems for a wave equation. I. I. Korotkiy, *Dop. AN URSR* no. 1-1310-1511 '66.  
Attaching at a final solution to some systems of ordinary second-order differential equations. V. G. Zheleznyy, *Dif. urav.* 2 no. 1-1061-1067 '66.  
Boundedness of solutions to Hill's equation. V. S. Rubanovskiy, *Vest. Moskov. univ. Ser. I, Mat. i mekh.* 21 no. 1-99-102 Ja '67.  
Cauchy problem for second-order differential partial equations in Banach spaces. S. I. Aleshov, *Dokl. Akad. Nauk SSSR* Ser. Fiz.-mat. i tekhn. nat. nauk no. 1-31-32 '66.  
A class of correspondences between affine spaces. V. A. Ryzhikov, *Tekhn. i TGU* 103-10-13 '65.  
Commutator of absence of weak solutions in a certain hyperbolic equation. A. B. Mikhlin, *Vest. Moskov. univ. Ser. I, Mat. i mekh.* 21 no. 6-28-31 N-D '66.  
Continuity of solutions to systems of differential equations. I. A. B. B. Dop. AN URSR no. 1-1312-1313 '66.  
Contribution to the theory of ordinary differential equations. A. D. Gurevskiy, *Vych. mat. i fiz.* 7 no. 1-62-63 '67.  
Derivation of periodic solutions to quasi-linear autonomous systems with one degree of freedom in the case of multiple roots of the amplitude equation. A. P. Prokhorov, *Pril. mat. i mekh.* 10 no. 6-185-186 N-D '66.  
Description of an algorithm for construction of cyclic lattices in the solution of Cauchy's problem for ordinary differential equations using the Runge-Kutta method. A. N. Tikhonov, A. D. Gurevskiy, S. S. Gurevskiy, *Vest. mosk. univ. Ser. I, Mat. i mekh.* 21 no. 6-185-186 N-D '66.  
Dirichlet problem for Helmholtz's equation describing an electric field. A. N. B. Dop. AN URSR no. 1-1312-1313 '66.  
Elliptic system of differential equations on an infinite closed surface. A. D. Gurevskiy, *Dop. AN URSR* no. 1-659-661 '62.  
Evaluating the parameters of complex systems on the basis of the experimental results. I. V. Alekseyenko, *Pril. mat. i mekh.* 10 no. 1-148-152 Ja '67.  
Extension of Maxwell's equation to theoretical analysis of experiments on transient direct and reversed flow of fibrous glass reinforced plastics. P. M. Ogibolov, I. I. Tsvetkov, *Vest. Moskov. univ. Ser. I, Mat. i mekh.* 21 no. 6-181-185 N-D '66.  
A generalization of projection method. N. I. Popov, *Dokl. AN SSSR* 167 no. 2-286-284 '66.  
Gradient method for solving a class of problems of optimal control. O. V. Vasiliev, *Zhur. vych. mat. i mat. fiz.* 7 no. 1-62-61 Ja '67.  
Interval of existence of the solution to a system of ordinary differential equations. P. S. Boudnikov, *Dop. AN URSR* no. 7-861-863 '62.  
Kinetic model of a conservative system for laser gain adjustment. E. I. Pashkova, *Pril. mat. i mekh.* 10 no. 6-182-183 N-D '66.  
Lidstone's problem and its generalizations. I. U. A. K. Vest. Moskov. univ. Ser. I, Mat. i mekh. 21 no. 6-181-185 N-D '66.  
Method for integrating the equations describing a laminar boundary layer in an incompressible liquid. I. A. Kulonen, *Zap. IGI* 43 no. 3-94-98 '64.  
Method of characterization for solving the integral equation. Ch. M. Dzhurav, E. V. Dmitriyev, P. M. Aliev, *Zap. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nat. nauk* no. 4-111-120 '66.  
Method of finite differences for Navier-Stokes equations. A. Kravitskiy, O. A. Ladyzhenskaya, *Dokl. AN SSSR* 167 no. 2-300-311 '66.  
Modification of the functional scheme of Chaplygin's method and its applications. G. V. Gendzhov, *Vest. AN Arm. SSR Mat.* 1 no. 5-204-316 '66.  
Necessary and sufficient conditions for establishing the solution to the Cauchy problem. V. D. Krasnikov, S. D. Eidel'man, *Dokl. AN SSSR* 167 no. 2-286-301 '66.  
Neighborhood of a singular point in a system of differential equations with small nonlinearities. B. M. Grobman, *Dokl. AN SSSR* 172 no. 3-524-528 Ja '67.  
Nielsen-Tsenov's equations and their application to nonlinear systems with nonlinear connections. I. I. Lapchev, *Dokl. AN SSSR* 171 no. 4-1020-1022 '66.

# DIFFERENTIAL EQUATIONS (Continued)

Nonlocal theorems on the existence of nonlinear hyperbolic equations in Hilbert space. V. A. Pogorelenko, P. E. Golobovskii, Ukr. mat. zhur. 19 no. 1 113-115 '67

On algebraic boundary cycles of a certain differential equation. M. V. Dolov, Dif. urav. 2 no. 11 1469-1473 N '66.

On the existence of bounded solutions to second-order differential equations. I. G. Khalikov, Dif. urav. 2 no. 12 1468-1470 D '66.

On the existence of solutions to differential and integro-differential equations containing asymptotic parabolas. I. U. Ved', Dif. urav. 2 no. 12 1504-1510 D '66.

Optimum control in a statistical problem. Dif. urav. 2 no. 11 1415-1422 N '66.

Parabolic equations with continuous coefficients. A. M. Ulin, Dokl. AN SSSR 171 no. 6 1261-1267 D '66.

Problem of control for a system of differential equations with a delay. A. B. Lashchinskii, Prikl. mat. i mekh. 30 no. 6 1121-1123 N-D '66.

Reducibility of linear systems of differential equations with quasi-periodic coefficients. V. I. Romanov, V. Kh. Khushnabadi, Dif. urav. 2 no. 11 1423-1427 N '66.

Remarks on random processes generated by some differential equations. A. Ia. Doroshovtsev, Dop. AN URSR no. 7 850-853 '62.

Resonance in rotating systems. L. D. Akulenko, V. M. Volosov, Vest. Mosk. un. Ser. I Mat., mekh. 22 no. 1 12-16 Jan '67.

Ritz's formula and the quantum defects of the spectrum of a radial Schrödinger equation. L. A. Sakhmovich, Izv. AN SSSR, Ser. mat. 30 no. 6 1297-1310 '66.

Smoothness of thermal potentials. Part 3. L. I. Kamynin, Dif. urav. 2 no. 11 1484-1501 N '66.

Solvability of the Cauchy problem for second-order parabolic equations in classes of arbitrarily increasing functions. I. M. Pribitshko, S. D. Federman, Ukr. mat. zhur. 19 no. 1 108-119 '67.

Solutions in generalized functions of some ordinary differential equations with polynomial coefficients. F. S. Aliev, Dokl. AN SSSR 167 no. 2 259-262 N '66.

Solutions to differential equations of infinite order analytic in noncircular regions. I. U. F. Korobelnik, Mat. sbor. 71 no. 1 535-544 D '66.

Some applications of the theory of normally solvable operators to differential equations of infinite order. I. U. F. Korobelnik, Mat. sbor. 72 no. 1 3-37 Ja '67.

Special features of the graph of total error in approximation calculation of Cauchy's problem for an ordinary differential equation. A. N. Tikhonov, A. D. Gorbunov, S. S. Gantman, Vych. mat. i prog. 6 21-27 '66.

Stability of some systems in the case of resonance. N. K. Danil'mova, Dokl. AN Azerb. SSR 22 no. 6 112-11 '66.

Stability of the solutions to a differential equation with a discontinuous characteristic. I. M. L'itvinov, Dif. urav. 2 no. 11 1521-1534 N '66.

Stability on the final time interval in the case of one zero root and a pair of purely imaginary roots. R. M. Nasyrov, Dif. urav. 2 no. 12 1561-1571 D '66.

Steady-state solution in an autonomous system. L. D. Akulenko, V. M. Volosov, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6 134-39 N-D '66.

Structural equations, in the presence of an intramittive group, describing one-dimensional gas flows. K. P. Suvorikhin, Vest. Mosk. un. Ser. I Mat., mekh. 22 no. 1 56-61 Ja-F '67.

Structure of a set of solutions to differential equations with delayed argument. V. P. Subbotin, Ukr. mat. zhur. 19 no. 1 120-129 '67.

Systems containing a small parameter. L. D. Akulenko, Zhur. vych. mat. i mat. fiz. 7 no. 1 209-214 Ja-F '67.

Theory of estimating the nonoscillation interval in a linear differential equation of the third order. V. S. Bezdomalov, I. N. Iuzemtseva, Dif. urav. 2 no. 11 1444-1448 N '66.

Theory of relaxation under the action of a random external field. G. T. Veksel'man, G. M. Zaslavskii, Dokl. AN SSSR 172 no. 1 169-172 Ja '67.

Uniform stability of a six-point scheme of high-order accuracy for the heat conduction equation. S. I. Serdinskaya, Zhur. vych. mat. i mat. fiz. 7 no. 1 214-218 Ja-F '67.

Uniqueness of the solution to the Cauchy problem, and the convergence of successive approximations. M. S. Kikotze, Dif. urav. 2 no. 12 1553-1560 D '66.

Use of the method of differential descent in solving nonlinear systems. S. I. Apter, I. A. Apter, Zhur. vych. mat. i mat. fiz. 7 no. 1 14-32 Ja-F '67.

Volterra-Poisson type problem for hyperbolic equations with constant coefficients. B. I. Pashnyuk, Dop. AN URSR no. 10 1254-1259 '66.

## DIFFERENTIAL EQUATIONS—BOUNDARY VALUE PROBLEMS

Contribution to the theory of boundary value problems for the equation  $y'' + u(x)y = k(x,y)$  in the large. D. K. Gvazava, Dokl. AN SSSR 167 no. 2 274-277 N '66.

Half-space potentials for equations describing the motion of a rotating fluid. Dokl. AN SSSR 172 no. 3 533-539 Ja '67.

Homogeneous difference schemes on nonuniform nets for a fourth-order differential equation with discontinuous coefficients. A. K. Boiazuk, Dif. urav. 2 no. 11 1474-1483 N '66.

Mathematical examination of some problems involving longitudinal vibrations of sectional rods composed of elastic and viscoelastic segments. S. I. Gaiduk, Dif. urav. 2 no. 12 1630-1648 D '66.

Riemann's boundary value problem for systems of first-order linear differential equations in generalized formulation. V. S. Rogozhin, Mat. sbor. 71 no. 1 517-522 D '66.

Solution of the problem of a powerful point explosion in ideal compressible media in the case of cylindrical and plane waves. I. U. O. Puzoskii, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6 80-87 N-D '66.

Solving the Titchmarsh problem with the general condition of joining by the method of nets. I. A. Tagiev, Izv. Vn. Azerb. SSR Ser. fiz.-tekhn. i mat. nauk. no. 4 48-53 '66.

Theory of estimating the nonoscillation interval in difference equations and difference boundary value problems. A. L. Toplin, Dif. urav. 2 no. 11 1449-1468 N '66.

Three linearized inverse problems for hyperbolic equations. Dokl. AN SSSR 171 no. 6 1279-1281 D '66.

Titchmarsh problem for elliptic-hyperbolic Euler-Poisson-Darboux equations. I. U. M. Krikunov, Dokl. AN SSSR 171 no. 6 1275-1278 D '66.

Use of the method of straight lines in solving certain problems in electrochemistry. V. T. Ivanov, Dif. urav. 2 no. 11 1502-1509 N '66.

## DIFFERENTIAL EQUATIONS, ELLIPTIC

Structure of solutions to elliptic-parabolic equations containing one separable variable. V. B. Ryykin, Dif. urav. 2 no. 12 1640-1654 D '66.

Theorem on three spheres for a certain class of high-order elliptic equations and extending this theorem to second-order linear elliptic equations. I. U. K. Gerasimov, Mat. sbor. 71 no. 1 553-585 D '66.

## DIFFERENTIAL EQUATIONS, ELLIPTIC—BOUNDARY VALUE PROBLEMS

Boundary value problems with a parameter in  $L_p$  space for systems elliptic in the Douglas-Nirenberg sense. Ukr. mat. zhur. 19 no. 1 115-120 '67.

Use of Golevkin's method in solving a boundary value problem for a quasi-linear elliptic equation of the second order with discontinuous coefficients. R. I. Altkhanov, Dokl. AN Azerb. SSR 22 no. 9 6-11 '66.

## DIFFERENTIAL EQUATIONS, LINEAR

Classes of uniqueness of the solution to the Cauchy problem for some quasi-linear degenerate parabolic equations. A. S. Kulashnikov, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6 56-60 N-D '66.

Derivation of a nearly exact asymptotic solution to a quasi-linear system. P. M. Sunyk, Dop. AN URSR no. 10 1276-1282 '66.

Ladyzhenskaya, O. A., V. A. Solonnikov, and N. N. Ural'tseva. [Linear and quasi-linear parabolic equations] Lineinye i kvazilineinye uravneniia parabolicheskogo tipa. Moscow, Nauka, 1967. 736 p.

One modification of triangular iterative method for linear differential systems. V. N. Lapinskii, Dokl. AN BSSR 10 no. 11 827-829 N '66.

Reducing systems of linear differential equations to a generalized L-diagonal type. N. I. Shkil', Dif. urav. 2 no. 11 1436-1443 N '66.

Remark on M. G. Spurr's paper entitled "On linear differential equations with randomly perturbed parameters." R. Z. Khraminskii, Izv. AN SSSR, Ser. mat. 30 no. 6 1311-1314 '66.

Solving boundary problems of linear equations in partial derivatives. A. A. Aleksashenko, V. A. Aleksashenko, N. V. Seleznev, Inzh.-fiz. zhur. 12 no. 1 82-85 Ja '67.

Some characteristics of solutions to linear differential equations with bounded coefficients. O. S. Ivanovskaya, Dif. urav. 2 no. 12 1655-1663 D '66.

A stabilization problem. V. M. Romanenko, Dop. AN URSR no. 7 863-867 '62.

## DIFFERENTIAL EQUATIONS, NONLINEAR

Boundedness and stability of solutions to some nonlinear second-order differential equations in Hilbert space. Part 1. K. S. Mamit, Vest. Mosk. un. Ser. I Mat., mekh. 22 no. 1 25-34 Ja-F '67.

Consistency and inconsistency conditions for the solutions to second-order nonlinear differential equations. D. V. Iuzumova, Dif. urav. 2 no. 12 1572-1586 D '66.

Equivalent linearization of nonlinear equations in the theory of elasticity and the application of equivalent linearization to problem in the theory of the stability of shells. M. O. Khrchevskiy, Dop. AN URSR no. 7 875-879 '62.

Generalized solutions to nonlinear first-order equations with several independent variables. Part 2. S. N. Krushkov, Mat. sbor. 72 no. 1 108-134 Ja '67.

A modification of Newton's method. V. E. Shamanskii, Ukr. mat. zhur. 19 no. 1 133-138 '67.

A nonlinear extremum problem. V. P. Dem'ianov, Zhur. vych. mat. i mat. fiz. 7 no. 1 33-51 Ja-F '67.

One criterion of asymptotic stability. I. I. Kovtun, Dop. AN URSR no. 10 1247-1250 '66.

Resonance in a nonlinear system subject to random impulses. A. S. Boyat, Dif. urav. 2 no. 11 1428-1435 N '66.

Solutions to first-order nonlinear equations. S. N. Krushkov, Dokl. AN SSSR 167 no. 2 286-289 N '66.

Some spherically symmetric solutions of nonlinear scalar field equations. G. N. Shubin, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6 88-90 N-D '66.

## DIFFERENTIAL EQUATIONS, PARTIAL

Cauchy problem for systems of linear partial differential equations with variable coefficients. V. A. Sochnova, Dif. urav. 2 no. 11 1520-1530 N '66.

## DIFFERENTIAL GEOMETRY see Geometry, Differential

## DIFFRACTION

Analysis of the  $(l, \alpha)$  reaction on light nuclei within the diffraction model. I. U. V. Mulkov, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6 102-105 N-D '66.

Effect of membrane on losses in open resonators. E. I. Vukin, Dokl. AN BSSR 10 no. 11 810-813 N '66.

Statistical scattering and Oseen formula. L. N. Siskarian, E. I. Feinberg, D. S. Chernykh, Prikl. vuz. zhur. eksper. i teoret. fiz. 1 no. 10 432-436 N '66.

## DIFFUSERS

Approximate calculation of losses in curvilinear diffusers under separation flow conditions. A. Sh. Doriman, M. I. Saikovskii, Prom. aerodin. no. 28 98-120 '66.

Effect of geometric parameters of curvilinear and annular diffusers on their efficiency. O. I. Didenko and others, Izv. AN SSSR Energ. i transp. no. 6 154-160 N-D '66.

Investigating short radial-flow and combined diffusers. A. R. Bushet', Prom. aerodin. no. 28 121-138 '66.

Some problems of the design and use of continuous diffusers. V. I. Kruglovenko, Sakh. prom. 41 no. 1 43-46 Ja '67.

## DIFFUSERS—AERODYNAMICS

Investigating diagonal diffuser grids. N. V. Nifitkin, Lop. mash. i stroit. app. no. 17-43 '66.

## DIFFUSION

Activation energy of the diffusion of interstitial elements into transition metals with a body-centered cubic lattice. I. I. Spivak, Fiz. met. i metalloved. 22 no. 6 859-861 D '66.

Comparative study of thermal transport of various substances in closed capillary-porous systems. A. M. Golebov, T. Kh. T. Isser, Dokl. AN SSSR 171 no. 6 1317-1320 D '66.

Diffusion of antimony in epitaxial layers of germanium. G. S. Kulikov, E. I. Givargizov, Fiz. tverd. tela 8 no. 11: 3344-3349 N '66.

Diffusion welding of Ti-602 heat-resistant alloy surfaces in vacuum. N. F. Kizakov and others, Fiz. obr. mat. no. 1 62-65 '66.

Effect of diffusion on the process of zone and oriented crystallization. I. A. Merzhanov, A. G. Anikid, Teoret. i ekspr. khim. 2 no. 5 697-700 S-O '66.

Self-diffusion in strongly diluted binary solutions. Part 3: Effect of additions of Sn, Sb, Bi on self-diffusion of iron in the  $\gamma$ -phase. Fiz. met. i metalloved. 22 no. 3 576-583 D '66.

Slow flow of a viscoplastic disperse medium in conic and plane diffusers at a small spray angle [with summary in English]. V. M. Gutkin, Koll. zhur. 23 no. 3 352-353 My-Je '67.

Structural examination of reactive diffusion in the system copper-zinc. V. L. Arkharov, V. A. Kudina, V. A. Sazonova, Fiz. met. i metalloved. 22 no. 4 580-590 O '66.

Studying mutual diffusion in binary systems for forming continuous series of solid solutions by the method of local X-ray spectrum analysis. Part 1: Systems Fe-Pd, Co-Pd, Ni-Pd, Cu-Pd, I. B. Boikovskii, I. D. Maschukova, I. U. Ustugov, Fiz. met. i metalloved. 22 no. 6 840-858 D '66.

Studying the electric diffusion of tin and mercury in their alloys with gallium. V. A. Mikhailov and others, Fiz. met. i metalloved. 22 no. 6 871-875 D '66.

Studying the perfection of diffusion layers produced by the diffusion of zinc in gallium arsenide. B. G. Zakharov, S. S. Khrushkov, Izv. vuz. ucheb. zav. i fiz. 9 no. 6 18-27 '66.

Topography of the distribution of unbalanced vacancy concentration in the mutual diffusion of two components in creep. M. A. Krivtsov, V. I. Strelov, Dokl. AN SSSR 172 no. 3 576-579 Ja '67.

## DIFFUSION COATINGS

Correlation between the physical and mechanical properties of diffusion coatings and their electron structure. Porosh. met. 6 no. 12 32-34 D '66.

## DIGESTIVE ENZYMES

Effect of nitrates and nitrites on some digestive enzymes. V. I. Popov, Vop. pit. 25 no. 6 29-33 N-D '66.

## DIGESTIVE ORGANS—BIRDS

Problem of digestion in the crop of chickens. I. I. Poliakov, Dokl. TSKHA no. 45 175-179 '60.





## DISTRIBUTION (PROBABILITY THEORY) (Continued)

Expanding an n-dimensional distribution function in an edgeworth type series. T. G. Gaidarov. Izv. AN Azerb. Ser. fiz.-tekhn. mat. nauk no. 1, 51-61 '66.

Finding consistent estimates of distribution parameters. I. Sh. Dzhambitov. Izv. AN Azerb. SSR, Ser. fiz.-tekhn. mat. nauk no. 4, 67-71 '66.

Kullback, L. A., and G. A. Ososkov. [Use of histograms in statistical modeling.] Ob laplozovani gistogramm pri statisticheskoi modelirovani. Dubna, 1967. 21 p.

Multidimensional concentration functions. V. V. Sazonov. Teor. veroyatn. i statistika II no. 1, 603-609 '66.

Probability distribution of the square of temperature difference at two points of a turbulent flow. A. S. Givich. Dokl. AN SSSR 172 no. 3, 551-557 Ja '67.

DISTRIBUTIVE EDUCATION see subdivision under Mukhachkala

## DITHIONITES—PHYSIOLOGICAL EFFECT

Heme transfer reaction of fetal hemoglobin in the presence of dithionite. T. V. Stepanova. Biol. eksp. biol. i med. 63 no. 1, 50-50 Ja '67.

## DIVING, SUBMARINE

(see also subdivision under Donetsk)

The time of the weak heart past. V. Stashevskii. Voen. med. 43 no. 1, 11 Ja '67.

## DMITRIYEV, SERGIY ANDREYEVICH, 1906-

Sixtieth birthday of S. A. Dmitriyev. Bet. i zh. et. 12 no. 11, 90 N '66.

## DMITROCHENKO, ALEKSANDR PETROVICH, 1900-

Professor Aleksandr Petrovich Dmitrochenko. M. M. Lebedev. Vest. sel'skhoz. nauk II no. 12, 120-121 D '66.

## DNEPRODZERZHINSK—COKE INDUSTRY

On the road toward a plant of communist society. A. V. Babitsky. Koks i khim. no. 5, 52-55 '62.

## DNEPRODZERZHINSK HYDROELECTRIC POWER STATION

Searching for efficient methods of conducting boring and blasting operations in building Dneprodzerzhinsk hydroelectric power station. D. F. Brendz. Vopr. dokl. no. 61/81, 223-249 '66.

## DNEPROPETROVSK—AGRICULTURAL MACHINERY INDUSTRY

Contribution of the plant to the exhibition and of the exhibition to the plant. A. I. Ynak, R. Navotodii, V. Mikhman. Inform. biul. VDNKH no. 110-111 Ja '67.

## DNEPROPETROVSK—COKE PLANTS—EQUIPMENT AND SUPPLIES

Dnepropetrovsk chemical and technological institute. I. M. Khumla. Koks i khim. no. 5, 55-56 '62.

## DNEPROPETROVSK—DYSENTERY

Study of the distribution of drug-resistant forms of dysentery pathogens in Dnepropetrovsk. E. N. Iankovskaya, A. D. Kovalenko, I. M. Ilyetovskaya. Antibiotika 12 no. 1, 89-90 Ja '67.

## DNEPROPETROVSK—MACHINERY INDUSTRY—MANAGEMENT

In close contact with technology. V. Sivak. Sots. i ind. 12 no. 2, 76-78 P '67.

## DNEPROPETROVSK—TECHNICAL EDUCATION

An industrial school in Dnepropetrovsk. D. B. Iosov. Sted. i spets. obr. 13 no. 7, 40-47 Ji '66.

## DNEPROPETROVSK—TIRE INDUSTRY

Some results of work at the Dnepropetrovsk Tire Plant under the new conditions of planning and economic incentive. A. V. Karakevich, B. I. Mityevich. Kautch. i rez. 26 no. 1, 5-7 '67.

## DNEPROPETROVSK PROVINCE—AFFORESTATION

Overall mechanization of growing forest plantations. O. H. Isarenko. Lis. hosp., lis., pap. i der. prom. no. 1, 71 Ja '67.

## DNEPROPETROVSK PROVINCE—COLLECTIVE FARMS

For the right to participate in the Exhibition of the Achievements of the National Economy of 1967. A. Shpak. Inform. biul. VDNKH no. 1, 23-25 Ja '67.

## DNEPROPETROVSK PROVINCE—STRIP MINING

Studying seismic effect of blasting in open-pit mines. A. I. Alekserenko. Izv. vys. ucheb. zav. i got. zhur. 0 no. 6, 68-72 '65.

## DNEPR-DONETS LOWLAND—BITS (DRILLING AND BORING)

Formulations for increasing work indices of three-column bits in oil fields of Dnieper-Donets Lowland using nozzles designed by the Petroleum Research Institute. A. I. Butskii, V. P. Matsilevskii, V. I. Sinilka. Neft. i gaz. prom. no. 5, 25-26 S-O '66.

## DNEPR-DONETS LOWLAND—DIESEL FUELS—ANALYSIS

Quality of diesel fuels obtained from petroleum of principal oil fields in Dnieper-Donets Lowland. M. M. Dets, A. S. Zimabn, R. V. Katiush. Neft. i gaz. prom. no. 6, 10-12 N-D '66.

## DNEPR-DONETS LOWLAND—GAS, NATURAL—GEOLOGY

Estimation of outlook for oil and gas occurrences in eastern part of Golubova-Kolayditsy arch of Dnieper-Donets Lowland. G. S. Bialloshchii, B. N. Ugai ov. Neft. i gaz. prom. no. 6, 11-11 N-D '66.

Gas saturation of underground waters of Paleozoic and Lower Mesozoic in northwestern and central parts of Dnieper-Donets Lowland and its significance for search. V. A. Tereshchenko. Neft. i gaz. prom. no. 5, 12-15 S-O '66.

## DNEPR-DONETS LOWLAND—GEOLOGY, STRUCTURAL

Case of the influence of structural disturbance on velocity of elastic wave propagation. V. G. Guterman. Dop. AN URSS no. 12, 1584-1587 '66.

## DNEPR-DONETS LOWLAND—IRON ORES

Distribution of iron in terrigenous coal-bearing and red beds of Carboniferous of Dnieper-Donets Lowland. A. E. Lukin. Dokl. AN SSSR 172 no. 3, 677-679 Ja '67.

## DNEPR-DONETS LOWLAND—OIL WELL DRILLING

Grouping structures of Dnieper-Donets Lowland into zones of relatively identical drillability of rocks of stratigraphic complexes. N. V. Shchukin, N. A. Zhdovtsev, K. M. Giltman. Neft. i gaz. prom. no. 6, 20-23 N-D '66.

## DNEPR-DONETS LOWLAND—PETROLEUM—ANALYSIS

Quality of diesel fuels obtained from petroleum of principal oil fields in Dnieper-Donets Lowland. M. M. Dets, A. S. Zimabn, R. V. Katiush. Neft. i gaz. prom. no. 6, 10-12 N-D '66.

## DNEPR-DONETS LOWLAND—PETROLEUM GEOLOGY

Condition governing formation of multilayer oil pools in south-eastern part of Dnieper-Donets Lowland. N. M. Ievchenko. Dop. AN URSS no. 10, 1316-1319 '66.

Estimation of outlook for oil and gas occurrences in eastern part of Golubova-Kolayditsy arch of Dnieper-Donets Lowland. G. S. Bialloshchii, B. N. Ugai ov. Neft. i gaz. prom. no. 6, 11-14 N-D '66.

Gas saturation of underground waters of Paleozoic and Lower Mesozoic in northwestern and central parts of Dnieper-Donets Lowland and its significance for search. V. A. Tereshchenko. Neft. i gaz. prom. no. 5, 12-15 S-O '66.

## DNEPR-DONETS LOWLAND—PETROLOGY

Petrographic characteristics of Upper Devonian and Carboniferous sediments in the Zacheplivka region of the Dnieper-Donets Lowland. M. P. Koznych-Zelenko, V. A. Khomenko. Geol. zhur. 19 no. 6, 61-71 '66.

## DNEPR-DONETS LOWLAND—ROCKS

Grouping structures of Dnieper-Donets Lowland into zones of relatively identical drillability of rocks of stratigraphic complexes. N. V. Shchukin, N. A. Zhdovtsev, K. M. Giltman. Neft. i gaz. prom. no. 6, 20-23 N-D '66.

## DNEPR-DONETS LOWLAND—SALT DOMES

Hydrochemical criteria for determining age of salt in Dnieper-Donets Lowland. V. G. Tsiachuk. Neft. i gaz. prom. no. 5, 8-9 S-O '66.

## DNEPR-DONETS LOWLAND—SEDIMENTS (GEOLOGY)

Source of Devonian sediments in the southern Dnieper-Donets Lowland. S. M. Rishchuk, V. A. Khomenko. Geol. zhur. 21 no. 6, 65-69 '61.

## DNEPR-DONETS LOWLAND—WATER, UNDERGROUND

Regularities in changes of initial reservoir pressures in central regions of Dnieper-Donets Lowland. V. A. Kivshel, A. M. Shchuk, S. L. Cherpak. Neft. i gaz. prom. no. 5, 35-38 S-O '66.

## DNEPR-DONETS LOWLAND—WATER, UNDERGROUND—ANALYSIS

Gas saturation of underground waters of Paleozoic and Lower Mesozoic in northwestern and central parts of Dnieper-Donets Lowland and its significance for search. V. A. Tereshchenko. Neft. i gaz. prom. no. 5, 12-15 S-O '66.

## DNEPR RIVER—BEAVERS

Distribution of river beaver in Dnieper River within the boundaries of White Russian S. S. R. V. M. Mikhailov and others. Vesti AN BSSR, Ser. biol. nav. no. 1, 88-106 '67.

## DNEPR RIVER—TRACE ELEMENTS

Microelements in waters of upper Dnieper. A. L. Zhukovitskaya, A. A. Zamiatina, K. I. Lukashch. Dokl. AN BSSR 10 no. 11, 891-893 N '66.

## DNEPR VALLEY—AFFORESTATION

Afforestation of sands in the lower Dnieper Valley. I. A. Iuba, Lis. hosp., lis., pap. i der. prom. no. 1, 16-17 Ja '67.

## DNEPR VALLEY—BITTERN

Little bittern (*Ixobrychus minutus* L.) in the flood plain of the Dnieper River. L. O. Smogorzheva. Nauk. zap. Kyiv. un. 18 no. 1, 75-84 '59.

## DNEPR VALLEY—PINE

Water balance of pine stands on the hilly sands of the lower Dnieper Valley. L. O. Sudayov. Biol. nauch.-tekhn. inform. po agron. fit. no. 8/9, 92-97 '60.

## DNEPR VALLEY—ROCKS, IGNEOUS

Silurian volcanism of Priprutsvell. Volyn'-Podolian region and adjacent areas. N. A. Savchenko, V. S. Khandievskii. Dokl. AN SSSR 172 no. 1, 172-173 Ja '67.

## DNEPR VALLEY—ROCKS, SEDIMENTARY

Terrigenous source material of the Balia series. A. P. Melnyk. Dop. AN URSS no. 7, 949-951 '62.

## DNEPR VALLEY—SILLIMANITE

Sillimanite from Tertiary placers of middle Dnieper Valley. IU. A. Polkanov. Min. sbor. 20 no. 1, 126-128 '66.

## DNEPR VALLEY—SOILS—ANALYSIS

Organic matter in some soils of Dnieper basin. I. A. Gishina, V. P. Vinukova. Vest. Mosk. un. Ser. 6. Biol., pochv. 21 no. 5, 115-121 S-O '66.

## DNEPR VALLEY—STONE AGE

Statement M. F. Veklich. Trudy Kom. chetv. per. 18, 107-108 '61.

## DNEPR VALLEY—TAPIOLITE

Accessory tapiolite from pegmatites of Ukrainian Crystalline Shield. E. I. Litovchenko. Min. sbor. 20 no. 1, 113-115 '66.

## DNEPR VALLEY—TERNS

Food for terns (*Sterna*) in the central Dnieper Valley. M. M. Shcherbak. Nauk. zap. Kyiv. un. 18 no. 1, 151-154 '59.

## DNEPR VALLEY—GEOLOGY, STRATIGRAPHIC

Age of clays covering platform Silurian in region of Saisnaya and Kausanskaya keyhole in Dnieper-Prut Interfluvium. M. M. Danich, L. F. Romanov. Izv. AN Mold. SSR no. 8, 63-65 '65.

## DNEPR VALLEY—SANDSTONE

Epigenetic albization of plagioclase in sandstones of ancient formations in the Dnieper Valley. A. V. Kopylovich. Biol. MOIP. Otd. geol. 36 no. 3, 146. Mv.-Je '61.

## DNEPR VALLEY—STONE AGE

Stratigraphy of Molodova multilayer Paleolithic sites in the middle of the Dnieper Valley and some general problems of the stratigraphy of the Paleolithic. I. K. Ivanova. Trudy Kom. chetv. per. 18, 94-108 '61.

## DNEPR VALLEY—STYLOLITES

Role of stylolites in the formation of sulfur deposits in the Dnieper Valley. L. H. Tkachuk, V. I. Koltun. Geol. zhur. 21 no. 2, 61-65 '61.

## DNEPR VALLEY—SULFUR

Role of stylolites in the formation of sulfur deposits in the Dnieper Valley. L. H. Tkachuk, V. I. Koltun. Geol. zhur. 21 no. 2, 61-65 '61.

## DOBRUJA—GEOLOGY, STRATIGRAPHIC

Kellway and Oxford sediments in central part of Dobruja. T. I. Iugh. M. M. Danich, L. F. Romanov. Izv. AN Mold. SSR no. 8, 50-62 '65.

## DOCUMENTARY MOTION PICTURES see Motion pictures, Documentary

## DOFTANA VALLEY—GLAUCONITE

Some data on the crystallochemical and X-ray investigations of glauconite from the region between the Doftana and Buzau Valleys (Romania). Ion. Mareș, Ion. Mareș. Geokhimiia no. 1, 1009-1014 '61.

## DOG SHOWS

The dog at a show. How do you evaluate it? E. Shereshevskii. Voen. znan. 43 no. 1, 46-47 Ja '67.

## DOGS

Normal basic hematological indices in dogs. Z. G. Povetkina. Fiziol. zhur. 49 no. 3, 366-369 Mir '63.

## DOKUCHAEV, VASILII VASIL'EVICH, 1846-1893

Elements to dialectics in V. V. Dokuchaev's teaching concerning soils and soil formation. O. Kirilov. Nauch. dokl. vys. shkoly, fiz.-sots. nauki 4 no. 1, 140-147 '61.

## DOLINA OIL FIELD—OIL WELL DRILLING

Air drilling in Carpathian region. B. I. Chafkovskii. Neft. i gaz. prom. no. 5, 47-49 S-O '66.

## DOLOMITE

The possibility of increasing the production of lime and dolomite fertilizers for agriculture. N. V. Smirnov. Strol. mat. 7 no. 11, 20-22 N '61.



## DONETSK—CITY PLANNING

- Forming architectural ensembles. G. Navrotskyi, Stroitel'nikh 15 no. 14-15 Ja '67  
General plan for city. I. A. Babachuk, Stroitel'nikh 15 no. 10-11 Ja '67  
Reconstruction of old sections. V. N. Kabanov, Stroitel'nikh 15 no. 1-2-3 Ja '67

## DONETSK—COKE INDUSTRY—BY-PRODUCTS

- Donetsk polytechnical institute M. D. Kurnetov, Koks i khim. no. 5, 5b '67.

## DONETSK—COMMUNIST PARTY OF THE SOVIET UNION

- Closer ties with Communists. K. I. Chechenko, Part. zhizn' no. 4 37 1 '67.

## DONETSK—DIVING, SUMMARINE

- Operation "Khilands'-66," P. P. Garmyuk, Voen. zhurn. 13 no. 1 15 Ja '67.

## DONETSK—ENGINEERING LABORATORIES—DESIGN AND CONSTRUCTION

- Complex of buildings for Donbassprommash research institute. D. P. Simidov, Stroitel'nikh 15 no. 1 17-18 Ja '67

## DONETSK—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

- New engineering building. A. Kucherenko, G. Blagodolny, Stroitel'nikh. 15 no. 10-11 Ja '67

## DONETSK—METALLURGICAL LABORATORIES—DESIGN AND CONSTRUCTION

- Construction of research institute. A. Stashakov, Stroitel'nikh. 15 no. 10-11 Ja '67.

## DONETSK—POSTAL SERVICE—BUILDINGS

- Communication building. I. Revlin, Stroitel'nikh. 15 no. 1 23 Ja '67.

## DONETSK—TELEPHONE STATIONS

- Communications building. I. Revlin, Stroitel'nikh. 15 no. 1-23 Ja '67.

## DONETSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION

- Communists must know the current affairs of the party house. A. Chumak, Part. zhizn' no. 2 10 Ja '67.

## DONETSK PROVINCE—ECONOMIC CONDITIONS

- Significance of local party organizations in the development of production. V. Degtarev, Part. zhizn' no. 3 8-16 1 '67.

## DONETSK PROVINCE—PRODUCE TRADE

- Among Donetsk cooperator-purchasing agents. V. Shalakov, Zakup. sel'khoz. prod. no. 6 5-7-53 Ag '66

## DOORS

- Preparing panel doors from particle board. N. P. Gushchenko, K. L. Kostushko, Tianap. strel. 10 no. 4 52-53 Ap '66.

## DORIMONTOV, VLADIMIR KONSTANTINOVICH, 1896?-VLADIMIR KONSTANTINOVICH DORIMONTOV, SUDESTVOLE 58 no. 12-53 D '66.

## DOUBLE BONDS

- Biominerale as dependent on the structure of the cationic acid derivatives. K. M. Aleev, S. N. Umnikov, Izv. AN SSSR. Sci. khim. no. 1 170-171 Ja '67.

## DOUBLE STAIRS see Stairs, Double

## DRAINAGE

- (see also subdivision under Azerbaijan; Kirovsk Province; Orenburg Valley; Vil'nyok Province; Volga Hydroelectric Power Station (22d Congress of the CPSU); White Russia; Yakutia)

- Corrugated pipes from vinyl plastic film. N. V. Balaev, 44 A. K. Chelyashov, I. P. Korovitsay, Tsf. p. om. 13 no. 8 14-15 '66.

- The efficiency of vertical drains in peat soils. I. K. Evgen'ev, Osn. i fund. i mekh. gran. 8 no. 5 29-30 '66.

- General equation of water loss of soils. A. I. Ivinskii, Dokl. AN BSSR 10 no. 11 880-880 N '66.

- Honorary title for meliorators. V. Zhatko, Gidr. i mel. 10 no. 1 125-126 Ja '67.

- Improvement of melioration systems. A. N. Kolobayev, Vest. sel'khoz. nauk 11 no. 11-5 '66.

- Increasing the fertility of drained heavy mineral soils. A. V. Smigorenko, Vest. sel'khoz. nauk 11 no. 12 22-26 D '66.

- Successful year of meliorative construction. F. E. Alekseyevskii, Gidr. i mel. 10 no. 1-14 Ja '67.

- Taking into consideration traces of the shear strength of water in calculations for horizontal drainage. N. F. Bondarenko, Dokl. Akad. sel'khoz. nauk no. 9 1-44 S '66.

- Topographical work in forest drainage. V. K. Konstantinov, Sbor. nauch.-issl. rub. po les. khoz. no. 6 170-107 '63.

- Use of aerial photographic materials and stereoscopic equipment in designing drainage systems. A. M. Martynov, G. A. Shapovalov, Gidr. i mel. 10 no. 1 81-87 Ja '67.

- Water discharge of soils. E. S. Peskov, Trudy TIIMSKII no. 15 83-90 '60.

## DRAINAGE—CONGRESSES

- Session of the Academy of Sciences of the U. S. S. R. on problems of melioration. V. G. Kocherzhevskii, Vest. sel'khoz. nauk 11 no. 11 137-139 '66.

## DRAINAGE—EQUIPMENT AND SUPPLIES

- Machines for cleaning drainage canals. V. B. Gantman, Gidr. i mel. 10 no. 1 91-98 Ja '67

## DRAINAGE, HOUSE see subdivision under Leningrad

## DRAINAGE, SURGICAL

- Internal drainage of the main pancreatic duct in complete pancreas rupture of the corpus pancreas. I. S. Shchukin, Khirurgia 12 no. 12 107-109 D '66.

## DRAPEY

- Perkin, L. D., and K. V. Panov. [Production of drapery tulle on the multifunctional drapery machine] Proizvodstvo gubinnogo tulla na gardinnoi mnogochechnoi mashine Moskva, Legkaya industriya, 1966 197 p

## DRAWING—INSTRUCTION

- Advice to teachers of art and mechanical drawing. N. I. Trachenko, Shkola i poizv. 10 no. 10 37 O '66  
Teachers' skill in graphics. V. Vinogradov, Nar. obr. no. 2 90-91 F '67

## DRAWING (METALWORK)

- Determining deformation limits during tube drawing without mandrels. I. U. I. Shvarkin, P. V. Saykin, V. Kh. Kas'lan, Izv. vys. ucheb. zav. Chern. met. 10 no. 1 114-117 '67.

- Experimental investigation of the correlation of forces of pushing-in and forces of drawing-in rod sizing. N. N. Sokolovskii, Trudy LPI no. 260 60-62 '65.

## DREDGING

- Overall hydraulic mechanization of the winning of sand for construction purposes. D. Mitushin, Rechi. transp. 20 no. 7 46-48 JI '61

- Work of the dredger fleet according to the new planning system. N. Smeylov, Rechi. transp. 20 no. 7 46-47 JI '61.

## DREDGING MACHINERY

- Advantages of water jet pumps. V. Borodich, Rechi. transp. 20 no. 7 51 JI '61

- Gosudarstvennyi projektnyi institut "Proektirovannye zaisla." [Equipment for hydraulic mechanization, a descriptive catalog] Obozrovaniye dlya gidromekhanizatsii; al'bum-spravochnik. Moskva, Tsentr. biuro tekhn. informatsii.

- Vol. 1. [Earth pumps and hydraulic suction dredges] Gidrovoye nasosy i zemlesosy 1965. 161 p.

## [MICROFILM]

- New technology in manufacturing parts of the bucket chain of dredges. I. Kozlov, Rechi. transp. 20 no. 7 46 JI '61

- Water hammer in low-pressure dredging equipment. G. I. Kirmel'shchik, Sborn. AN Gruz. SSR 44 no. 2 400-416 N '66.

## DREDGING MACHINERY—TECHNOLOGICAL INNOVATIONS

- Speed up technical progress in transportation. A. Subbotin, Rechi. transp. 20 no. 7 36-38 JI '61

## DRESENIDAE see subdivision under Tambov Province

## DREWITES see subdivision under Apsheron Peninsula

## DRIED MILK see Milk, Dried

## DRILL (AGRICULTURAL IMPLEMENT)

- Tractor-mounted drills. R. I. Grossman, M. P. Odegnall, Trakt. i sel'khoz. mash. 30 no. 3 36-38 Mi '60

## DRILL (AGRICULTURAL IMPLEMENT)—TESTING

- Results of testing the strength of the SU-24 drill at increased speeds. I. M. Zeltserman, I. F. Shul'is, Trakt. i sel'khoz. mash. 30 no. 3 29-30 Mi '60

## DRILLING AND BORING MACHINERY

- Boring and shut-off valve for nonmetallic gas pipelines. V. S. Logunov, V. V. Tarkhanov, Stroitel'mashprom. 6 no. 12 18 D '61.

- Determining optimal preliminary tightening of doubled radial thrust bearings for the heads of diamond boring machines. G. G. Linkova, K. V. Lomakin, M. M. Gliklikh, Stan. i instr. 38 no. 1 5-8 Ja '67.

- Drilling deep holes. I. U. K. Bralushka, Mashinostroitel' 10 no. 1 27 Ja '67.

- Modernization of the horizontal boring machine. B. P. Antonenko, N. P. Markin, Mashinostroitel' 10 no. 1 34-35 Ja '67.

- Modernizing the 2A 135 vertical drilling machine. M. A. Zavidovskii, Tekh. i org. prozv. no. 6 88-89 N-D '66.

- Precision requirements for multiaxial drilling machines. I. U. B. Erpsher, Stan. i instr. 38 no. 1 3-5 Ja '67.

- Speed governor of the feed mechanism drive of a boring machine. P. I. Siering, A. P. Khushech, N. E. Shendrik, Stan. i instr. 38 no. 1 19-21 Ja '67.

## DRILLING AND BORING MACHINERY—ATTACHMENTS

- Jigs for machining holes in connecting rods and bearings for head and crank bolts on boring and drilling machines. F. Klemushin, Ryb. prom. no. 53 32-37 '60.

- Lapping attachment. A. V. Stefanov, V. A. Nikifor, Mashinostroitel' 10 no. 1 38 Ja '67

## DRILLING AND BORING MACHINERY—VIBRATION

- Determining the damping ratio of the spindle unit of a horizontal boring machine. I. A. Kunin, V. M. Laimpau, Stan. i instr. 38 no. 1 12 Ja '67.

## DRILLING FLUIDS

- Harmful effect of clay mud in core drilling for water. L. S. Rusanov, Razved. i okh. nuch. 26 no. 3 18-22 Mi '60

## DRILLING MUDS

- (see also subdivision under Mangyshlak Peninsula) Determination of hydrodynamic pressure of tested mud on well bottom. E. Kh. Mekhtiev, Vest. sel'khoz. 15 no. 11 20-22 N '66

- Device for determining structural and mechanical characteristics of drilling muds. L. S. Stukelina and others, Neft. i gaz. prom. no. 5 20-22 N-D '66

- Effect of volume of circulated mud on frictional force between filter cake and metal surface and on duration of viscoplastic layer. I. R. Muradov, G. T. Gerasimov, N. M. Sherstnev, Vest. sel'khoz. 15 no. 11 25-27 N '66

- Experience in mechanized and safe preparation of clay mortars. G. K. Astaf'ev, O. G. Pogichnov, Bezop. truda v prom. 11 no. 1 36 Ja '67

- Graphic method for determining hydraulic losses in circulating system of well being drilled. E. K. Gaitov and others, Neft. khoz. 45 no. 1 27-30 Ja '67

- Using lime-bitumen mud for drilling in prospect horizon. B. D. Panov, V. A. Serpentskiy, Neft. khoz. 44 no. 10 63-69 O '66

## DRILLING MUDS—ANALYSIS

- Automatic temperature regulation in studying plugging and clay muds. A. P. Vostolch, Neft. i gaz. prom. no. 5 23-25 S-O '66

## DRILLING MUDS—THERMAL PROPERTIES

- Thermograms for determining bottom temperatures in wells being drilled. G. G. Polnikov, Neft. khoz. 45 no. 1 30-33 Ja '67

- Thermal regime of boreholes. I. A. Chayna, Gaz. prom. 11 no. 12 1-5 '66.

## DRIVING

- Spindle-turning drive for a planetary groove-milling machine. S. N. Shatokhin, Stan. i instr. 38 no. 1 6-9 Ja '67.

## DROSOPHILA—GENETIC RESEARCH see subdivision under Uman'

## DRUG INDUSTRY see subdivision under Ukraine

## DRUGGISTS see Pharmacists

## DRUGS

- Administration of drugs in relation to the time of food intake. F. P. Timus, Farmatsev. zhur. 17 no. 2 19-23 '62

- Increased production of drugs. O. N. Zhmachenko, Farmatsev. zhur. 17 no. 2 78-79 '62

- New medicinal preparations. O. K. Pohrebniak, Farmatsev. zhur. 17 no. 2 83-89 '62

## DRUGS—EFFECT ON MICRO-ORGANISMS see Micro-organisms, Effect of drugs on

## DRUGS—NOMENCLATURE

- Shaping of the nomenclature of prepared combined medicinal substances. I. A. I. Khadzha, E. I. Gaidenshtein, Sov. med. 29 no. 10 131-133 O '66

## DRUGS—SIDE EFFECTS

- Complications in antituberculous treatment of chronic alcoholism. V. I. Korneman, L. V. Krudinova, Trudy Gos. nauch.-issl. inst. psikh. 26 359-362 '61.

- Medicinal reliculoses. I. M. Tareev, I. A. Sezerova, Sov. med. 30 no. 1 10-17 Ja '67.

## DRUGS—STANDARDS

- Standardization of Soviet tuberculin (PPD). I. P. Zavar'skaya, L. A. Mitinskaya, N. S. Sokol'skaya, Probl. tub. 44 no. 1 12-19 '66.

## DRUGSTORES see subdivision under Kramatorsk; Ukraine

## DRY DOCKS

- Cradle for assembling and welding bottom and side sections of a ship. P. A. Nikitin, Sborn. izobr. v ryb. prom. za 1961 g. 99-100

## DRYING—MATHEMATICAL MODELS

- Using methods of mathematical modeling in developing automatic control systems for drying. N. V. Armutkin, E. V. Prokof'ev, Izv. vya. ucheb. zav. i gor. zhur. 8 no. 8 156-160 '65.

## DRYING APPARATUS

- Aerodynamic characteristics of the 2-TsAGI-700 dryer. L. V. Kim, Khleb. i kond. prom. 10 no. 12 23-24 D '66

## DRYING APPARATUS (Continued)

New method of repairing chain conveyor of a drying apparatus. I. U. Maslennikov. Ryb. prom. no 53-45-18 '60.  
The SV-10 vibratory driers. M. E. Sholodov. Biol. tekhn. -  
don inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.  
12 no 12-32-33 D '66

## DRYING APPARATUS—ELECTRIC DRIVING

Electric driving for the spraying disk of the ZTR-400  
drier. B. Moroz. Mas. ind. SSR 38 no 1-24-26  
Ja '67

## DRYING APPARATUS—REFRACTORY MATERIALS

Construction drying unit. M. V. Klemianskii and others.  
Ogneupory 31 no 12-11-13 D '66

## DUBAI VALLEY—GEOLOGY, STRUCTURAL

Tectonics of contact zone of folding system of southern  
slope of Greater Caucasus and Georgian block (Okuma  
and Dubai anticlinorium). I. P. Gamkrelidze. Soob. AN  
Gruz. SSR 41 no 3-643-649 D '66

## DUBOVSKOYE REGION (KAZAKHSTAN)—GROUND SQUIRRELS—EXTIRPATION

Our practices in controlling tussocks. N. Lyzenko,  
V. Udovchenko. Zashch. rast. 12 no 1-13-15 '67.

## DUCKS—FEEDING AND FEEDS

Studying protein metabolism in ducklings raised for meat.  
I. U. N. Nasonov. Vest. sel'khoz. nauki 11 no 11-117-119  
'66

## DUCTUS ARTERIOSUS

Case of total atresia of the aortic arch with concomitant  
defect of the interatrial septum and patent ductus  
arteriosus. L. S. Zingerman, I. I. Rasulova. Gud.  
khir. 9 no 11-110-111 Ja '67.

Diagnosis of a typically situated patent ductus arteriosus.  
V. I. Frantsiv, A. S. Irtukhov. Sov. med. 29 no 11  
19-23 N '66

## DUKHOVNITSKOYE DISTRICT—CROP YIELDS

Soil erosion and the yield of farm crops in Dukhovnitskoye  
District, Saratov Province. V. I. Svechnikova. Trudy  
Sar. sel'khoz. inst. 15 no 3-70-73 '65.

## DUKHOVNITSKOYE DISTRICT—EROSION

Soil erosion and the yield of farm crops in Dukhovnitskoye  
District, Saratov Province. V. I. Svechnikova. Trudy  
Sar. sel'khoz. inst. 15 no 3-70-73 '65.

## DUL'DURGA DISTRICT—DAIRYING—ACCOUNTING

Accounting became more efficient. D. Tsyrenzhapov.  
Ekonom. sel'khoz. 42 no 1-102-103 '67

## DUMP TRUCKS

Concreting structures with the help of dump trucks. I. I.  
Blitnikov, A. F. Talyzov, G. A. Oganesian. Energ. stroi.  
no 21-165-170 '61

## DUMP TRUCKS—PARTS

Projection spot welding of platform parts of the ZIL-  
M1N2-555 dump truck. S. M. Leshchivov and others.  
Avi. prom. 33 no 1-34-36 Ja '67

## DUMPING SYNDROME

Treatment of postresection decompensation of digestion  
by inclusion of the hepato-pancreato-duodenal system.  
M. I. Petrushevskii. Khirurgia 38 no 11-41-47 N '62.

## DUNGAN LANGUAGE

Work in the field of Dungan terminology.  
Sushanlo, Izv. AN Kh. SSR no 2-90-91 S-O '66.

## DUNGAN LANGUAGE—CONGRESSES

Dungan terminology.  
nko. Izv. AN Kir. SSR no 2-

up in resection of the stomach  
8 no 11-121-123 N '62

resection of the stomach with  
um and measures for their  
Khirurgia 38 no 11-63-67

ECT  
rgans under the effect of  
M. I. Kaipova. Sov. med.

ipment. V. E. Lopushanskii,  
I D '66.

vlh a dust collector. A. IA.  
' A Stefanovich. Ugoi Ukr.

rface of hose filters. V. D  
shko. Ogneupory 31 no 12

The ZIL-100 separate ventilating dust-collecting unit  
I V Serednev. Biol. tekhn. -ekon. inform. Gos. nauch.-  
issl. inst. nauch. i tekhn. inform. 10 no 12-54-55 D '66

## DUST STORMS see subdivision under Gazli region (Uzbekistan)

## DUVANNYY-MORE OIL FIELD—PETROLEUM PRODUCTION

Basic development principles of Sangachaly-More and  
Duvanny-More oil fields. I. I. Samadov. Azerb.  
neft khoz. 15 no 11-7-10 N '66

## DVALADZE, GEORGI LIKIEVICH

[Dvaladze, partisan of Lithuania. Translated from Lithuanian] Dvaladze - partisan Livy. Vilnius, Gruzino-  
zhurnal'noe izd-vo, 1965. 20 p.

## DVINA RIVER, WESTERN see Western Dvina River

## DWELLINGS

Orientation of residential buildings under conditions  
typical of the fourth climatic district. Ch. U. Bapishchev.  
Izv. ASIA no 3-114-116 '61.

Some problems of the science of designing a residence  
G. D. Platonov. Izv. ASIA no 3-40-50 '61

## DWELLINGS—HEATING AND VENTILATION

Summer overheating of buildings and their orientation.  
B. F. Vasil'ev. Izv. ASIA no 3-110-123 '61

## DYES AND DYEING

Studying phototropic transformations of methyl red under  
intermittent light. A. K. Chibisov. Zhur. prikl. spekt.  
5 no 5-635-611 N '66.

Synthesis of carbazole-base sulfide dyes. V. I. Shishkina,  
G. N. Lipunova, Z. V. Pushkareva. Izv. vys. ucheb. zav.  
khim. i khim. tekhn. 9 no 5-810-813 '66.

## DYES AND DYEING—EQUIPMENT AND SUPPLIES

Concentrator for preparing dispersions. L. A. Sokol'skii.  
Biol. tekhn. -ekon. inform. Gos. nauch.-issl. inst. nauch. i  
tekhn. inform. 10 no 12-40-12 D '66.

## DYES AND DYEING—LEATHER

Technology of the production of bicolor silver shadings  
from splits. S. G. Ponomarev and others. Kozh.-  
obuv. prom. 8 no 12-27-30 D '66.

## DYES AND DYEING—STANDARDS

Russia (U.S.S.R.). Gosudarstvennyi komitet standartov.  
mer i izmeritel'nykh priborov. [Organic direct dyes  
(scarlet, red 2S, bordeaux, blue lightfast KU, pure  
blue, green ZhKh, brown KKh, black 3, black 2S,  
diaz black S)] Krasitel' organicheskie priamye (ulyi,  
khasnyi 2S, boi, sini svetoproychnyi KU, chisto-  
goluboi, zelenyi ZhKh, korichnevyy KKh, chernyi 3,  
chernyi 2S, diaz chernyi S). GOST 10072-64. Izd.  
ofitsial'noe. Moskva [Izd-vo Standartov, 1965] 12 p.  
(SSSR. Gosudarstvennyi standart)

## DYES AND DYEING—TEXTILE FABRICS

Dispersion of val dye suspensions by the use of the SZh-2  
whistle. A. G. Lifshits. Nauch.-issl. trudy TSNIKHBI  
za 1963 g. 414-421.

Dyeing semiwoolen fabrics by the use of auxiliary  
substances. V. A. Berezina, I. B. Shlykino. Nauk. h.  
-issl. trudy TSNIISherst' no 20-216-220 '65.

Obtaining and using emulsions as a thickening agent.  
V. N. Nebarov and others. Biol. tekhn. -ekon. inform.  
Gos. nauch.-issl. inst. nauch. i tekhn. inform. 10 no 11  
13-14 N '66

Specifying the parameters of continuous dyeing of semi-  
woolen fabrics. A. M. Serobrakov, V. A. Kol'sova.  
Nauch.-issl. trudy TSNIISherst' no 20-190-208 '65.

"Thermosol" method of dyeing fabrics made from a cot-  
ton-lavsan blend. G. G. Petrizhik and others. Nauch.-  
issl. trudy TSNIKHBI za 1963 g. 381-388.

## DYES AND DYEING—TEXTILE FIBERS, SYNTHETIC

Dyeing nitron fibers with cationic and dispersed dyes.  
N. I. Meina. Nauch.-issl. trudy TSNIISherst' no 20:  
181-187 '65.

## DYNAMICS

Determination of some parameters of the motion of an  
automobile using experimental data. V. IA. Galkin and  
others. Vych. met. i prog. 5:102-170 '66.

Dynamics of vibrating machines with biharmonic drive.  
L. A. Archakova. Gor. elektromekh. i avtom. no 1:173-  
181 '65.

Second problem of the dynamics of a cable of variable  
length when the electric motor has a linear mechanical  
characteristic. I. F. Shumilans'kiy. Dop. AN URSR  
no 12:1552-1557 '66

## DYNAMICS—PROBLEMS, EXERCISES, ETC.

Bat', M. I., G. I. U. Dzhanelidze, and A. S. Kel'zon. [Theo-  
retical mechanics in examples and problems] Teoretich-  
eskaya mekhanika v primerakh i zadachakh. Pod red.  
G. I. U. Dzhanelidze. Moskva, Nauka.  
Vol. 2. [Dynamics] Dinamika. Izd. 3., stereotip-  
noo. 1966. 663 p.

## DYNAMITE

The D-3 safety dynamite for mining operations. V. I.  
Alekseyev, V. V. Sviridov. V. i. yv. delo no 60/171:  
125-126 '66.

## DYNAMOMETER

Developing and adopting a pilot plant model of dynamo-  
meter with inductive transducer on the 2350 medium-  
thickness sheet mill of the Magnitogorsk Metallurgical  
Combine. V. G. Grosval'd and others. Shk. i met.  
TSNIITM no 44-121-130 '66.

Lathe dynamometer with induction pickups. R. A. Gulyaev.  
Tekhn. mashinost. no 1-15-11 '66.

## DYNAMOS see Electric generators

## DYSENTERY

(see also subdivision under Dnepropetrovsk)

Cause of seasonal variations of the relative number of  
bacteriologically confirmed dysentery cases. G. N.  
Rakhshtat. Zhur. mikrobiol. i piel. i imunit. 11 no 1  
70-74 Ja '67.

Differential diagnosis of cancer of the sigmoid and rectum  
and dysentery. A. L. Buldakova, G. M. Antonenko. S. i  
med. 29 no 10-46-48 O '66

Distribution of tetracycline and oxytetracycline in the  
body of kittens with experimental dysentery. K. V.  
Klimov. Antibiotiki 12 no 1-69-72 Ja '67

Effect of antibiotic therapy on the dynamics of blood  
serum protein fractions in patients with dysentery.  
A. I. Spectorova. Antibiotiki 12 no 1-83-87 Ja '67.

Endoscopic and X-ray parallels in dysentery. D. M.  
Guterman. Sov. med. 29 no 11-110-111 N '66

Mental disorders in acute bacillary dysentery. H. I.  
Pitelskii. Trudy Gos. nauch.-issl. inst. pulkh. 26-27-  
280 '61

Results of treating chronic bacillary dysentery with  
Albun in album phytolides, preliminary report. I. H.  
Olarov, E. K. Anisimova, A. A. Matuseva. Shk. nauch.  
trud SOGMI no 10:151-151 '61

## DYSENTERY—COMPLICATIONS AND SEQUELAE

Dynamics of the vasculovascular reactivity in a late  
period in persons having had dysentery, based on skin  
temperature data. V. A. Kabanov. Trudy Tink.  
nauch.-issl. inst. khim. i kul. i fiz. metod. lech. 8-107-  
112 '65.

## DYSENTERY—MICROBIOLOGY

Preparation of diagnostic carbon antidysenteric sera.  
V. P. Ragnitskii, A. P. Hahov. Zhur. mikrobiol. i  
epid. i imunit. 14 no 1-151-154 Ja '67.

Therapeutic effectiveness of tetracyclines in dysentery  
depending on the method of their introduction and  
sensitivity of the diptherial bacteria. K. V. Klimov.  
Sov. med. 40 no 1-80-92 Ja '67.

## DYSENTERY—PREVENTION

Chemoprophylaxis of dysentery in elderly and senile  
persons. A. P. Podval'skii, Sh. H. Shchepel'shtein, I. I.  
Kumina. Antibiotiki 12 no 1-80-89 Ja '67.

## DYSPROSIUM-YTTRIUM ALLOYS—MAGNETIC PROPERTIES

Magnetic properties of Dy-Y alloys. G. A. Shafgullina,  
V. I. Chechurnikov, I. A. Matkova. Fiz. met. i metallurg.  
22 no 6-830-842 D '66.

## DYSTROPHY

Clinical and morphological characteristics of acute toxic  
dystrophy of the liver in infectious hepatitis. V. I.  
Shugallo, V. V. Zakharenko. Sov. med. 29 no 10-102-  
105 O '66.

## DZENS-LITOVSKAYA, NINA NIKOLAEVNA, 1903-1959

N. N. Dzents-Litovskaya; obituary. S. V. Ajubov. Izv.  
Krym. old. Geog. ob-va no 6:217-128 '61

## DZHAMBUL PROVINCE—CATTLE—FEEDING AND FEEDS

High weight gain and low cost. V. Zhuravlenko, Zakup.  
sel'khoz. prod. no 12:27-28 D '66.

## DZHAMBUL PROVINCE—SUGAR BEETS—IRRIGATION

Economics of the irrigation of sugar beets in Dzhambul  
Province. G. V. Votopiev. Glu. i mel. 18 no 1-35-19  
Ja '67.

## DZHANGO (AZERBAIJAN)—CLIMATOLOGY, MEDICAL

Effect of the climate of Dzhangko on some functional and  
vegetative changes in the organism. Sh. M. Ugasanov,  
E. M. Kiamil'. Sbor. trud. Azerb. nauch.-issl. inst. kul.  
i fiz. metod. lech. no 6:205-209 '62.

Effect of the climate of Dzhangko on the morphology of  
blood. Sh. M. Ugasanov, A. I. Dulatova, E. M. Kiamil'.  
Sbor. trud. Azerb. nauch.-issl. inst. kul. i fiz. metod.  
lech. no 6:201-204 '62.

Effect of the Dzhangko mountain climate on vegetative  
changes in the organism according to data of elec-  
trothermometry and electric resistance of the skin. L. H.  
Kreina. Sbor. trud. Azerb. nauch.-issl. inst. kul. i  
fiz. metod. lech. no 6:210-213 '62.

## DZHAVAKHETSKIY RANGE—EARTHQUAKES

Main seismic centers of Dzavakhet highland. G. D. Gu-  
tsadze. Soob. AN Gruz. SSR 44 no 3:571-576 D '66.

## DZHEZKAZGAN DISTRICT—ORE DEPOSITS

Prospecting trends and methodology in Dzhezkazgan District. V. R. Arifanov. Izv. AN SSSR, 1966, no. 1:16-16. Mi '66.

## DZHEZKAZGAN DEPRESSION—RHODOSITE

Mineralogy and genesis of rhodochrosite from Dzhezkazgan Depression and South Almatinsk Lowland. O. B. Reissuev. Izv. AN SSSR, 1967, no. 2:416-419. Mi '66.

## DZHEZKAZGAN REGION (KAZAKHISTAN)—COPPER ORES

Formation status of copper-bearing sediments of Dzhezkazgan. I. P. Druzhinin. Dokl. AN SSSR, 1971, no. 6:1117-1120. D '66.

## DZHEZKAZGAN REGION (KAZAKHISTAN)—MINE SUPPORTS—EQUIPMENT AND SUPPLIES

Stability of interchamber pillars in Dzhezkazgan Mine. A. L. Tchukov. Izv. AN SSSR, 1967, no. 1:14-16. Ja '67.

## DZHEZKAZGAN REGION (KAZAKHISTAN)—ROCKS, SEDIMENTARY

Formation status of copper-bearing sediments of Dzhezkazgan. I. P. Druzhinin. Dokl. AN SSSR, 1971, no. 6:1117-1120. D '66.

## DZHUZHUR RANGE—ROCKS, CRYSTALLINE AND METAMORPHIC

Age and genesis of metamorphic formations in the Stanovoy folded region. I. B. Kazmin, I. P. Ropneva, etc. Izv. MOIP, Old, geol., 36, no. 5:111-115. S-O '61.

## DZHUZSAY VALLEY—PHILOPITE

Ultrabasic rocks and their philopite in the Dzhuzsai River. I. A. Kuznetsova. Izv. MOIP, Old, geol., 36, no. 3, 111-117. My-Je '61.

## DZHUZSAY VALLEY—ULTRABASITE

Ultrabasic rocks and their philopite in the Dzhuzsai River. I. A. Kuznetsova. Izv. MOIP, Old, geol., 36, no. 3, 111-117. My-Je '61.

## DZUNGARIAN ALATAU—ORE DEPOSITS

Textural and structural characteristics of ores in Tekeli deposits. G. M. Tarasov. Trudy Min. muz., no. 12, 108-122. '61.

## EAR—DISEASES

Pathogenesis of rupture of oligodendrocyte cerebral abscesses. L. A. Bukhman. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4, 51-59. Ji-Ag '59.

## EAR—INFLAMMATION

Effect of a novocaine block on the course of acute inflammation of the middle ear in experiments on dogs. I. M. Iupuganov. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4, 59-61. Ji-Ag '59.

## EAR—SURGERY

Adapting an ophthalmological illuminator for micro-operations of the ear. L. I. Kal'shtein. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:76-78. Ji-Ag '59.

Fadural method of tympanoplasty. B. E. Goldberg. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:52-53. Ji-Ag '59.

Penetration of the footplate of the stapes in otosclerosis. I. A. Ianson. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:16-17. Ji-Ag '59.

Procedures for surgery on the stapes in otosclerosis. A. I. Kolomilchanko. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:19-27. Ji-Ag '59.

Surgical restoration of hearing in otosclerosis. A. N. Khramtsov. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:12-17. Ji-Ag '59.

Types of audiometric curves in the light of indications for operation on the stapes in otosclerosis. V. A. Gukovitch. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:29-38. Ji-Ag '59.

Variation of a conservative operation in otosclerosis. A. I. Vasil'ov. Zhur. uzh., nos. 1 gorl. bol., 19, no. 4:43-48. Ji-Ag '59.

EARED SEALS see subdivision under Komandorskiye Islands; Okhotsk, Sea of; Pacific Ocean

EARLY MAPS see Maps, Early

EARLY PRINTED BOOKS—BIBLIOGRAPHY see Bibliography—Early printed books

## EARTH

New mineralogical hypothesis of the formation of the earth. A. S. Uklonskiy. Nauch. trudy TashGU no. 234. Geol. nauk no. 20:7-21. '64.

Present-day concepts on the migration of the earth's poles. O. N. Tietak. Geol. zhur., 21, no. 1:67-87. '61.

## EARTH—CRUST

Applying methods of mathematical statistics in determining velocity parameters of earth's crust by hodographs of reflected waves. A. V. Egor'kin. Izv. AN SSSR, Fiz. zem., no. 12:54-61. '66.

Ways to determine velocity parameters of earth's crust profile by hodographs of reflected waves. A. V. Egor'kin. Izv. AN SSSR, Fiz. zem., no. 11:108-114. '66.

## EARTH—FIGURE

Interconnection between the transgressive and regressive overlaps, meridional buckle of the Northern Hemisphere. M. V. Stovos. Geol. zhur., 19, no. 6:12-28. '59.

Numerical characteristics of the local figure of the earth. A. K. Kuzhanovskaya. Zap. LGI, 43, no. 3:106-113. '64.

## EARTH—MANTLE

Experimental study of necessary and sufficient characteristics of waves. G. G. Shamina. Izv. AN SSSR, Fiz. zem., no. 12:3-10. '66.

## EARTH—ROTATION

Dynamics of ocean levels and the rotation of the earth's axis. G. G. Khizanishvili. Bul. MOIP, Old, geol., 36, no. 3:136. My-Je '61.

Effect of the variability of the Coriolis force on changes in the geopotential field in the presence of mountains. Z. V. Khvedelidze. Soob. AN Gru. SSR, 27, no. 2:143-150. Ag '61.

Role of the irregular rotation of the earth on the formation of planetary deep faults in the earth's crust. M. V. Stovos. Geol. zhur., 21, no. 2:13-25. '61.

Rotation principle as applied to geological processes. O. I. Islamov. Nauch. trudy TashGU no. 234. Geol. nauk no. 20:207-211. '64.

## EARTH—SURFACE

Calculating the age of the earth's crust by the rubidium-strontium method. I. U. A. Shukollukov. Geokhimiya, no. 11:1023-1026. '61.

Development of earth's crust based on data of isotopes of lead ores. B. N. Naidenov, V. V. Cherdyn'sev. Dokl. AN SSSR, 172, no. 3:688-691. Ja '67.

## EARTH DAMS

Construction of the earth dams of the Bratsk Hydroelectric Power Station. Energ. stroi., no. 7:29-35. '66.

## EARTH MOVEMENTS

(see also subdivision under Kamchatka)

Effect of contemporary movements of earth's crust on geothermal regime of gas and oil-bearing regions. A. A. Linevskiy. Azerb. neft. khoz., 45, no. 11:12-14. N '66.

## EARTH PRESSURE—MEASUREMENT

Method of measuring pressure in soils under foundations. G. D. Iurevich and others. Osn., fund. i mekh. grun., 8, no. 5:14-17. '66.

## EARTH TEMPERATURE

(see also subdivision under Azerbaijan, Korosten' District; Ml'nyy region, Antarctica; Shazan' region, Azerbaijan)

Conference on "Thermal methods of increasing petroleum production and geothermology of oil fields." L. Tol'stov. Neft. khoz., 41, no. 10:70. O '66.

Effect of contemporary movements of earth's crust on geothermal regime of gas and oil-bearing regions. A. A. Linevskiy. Azerb. neft. khoz., 45, no. 11:12-14. N '66.

Practice in potassium-argon geothermometry and evaluation of thermodynamic parameters in forming intrusive bodies. S. B. Brandt and others. Izv. AN SSSR, Ser. geol. no. 1:21-30. Ja '67.

Temperature studies of injection wells. V. B. Martirosova. I. V. Zhurik. Neft. khoz., 45, no. 1:56-58. Ja '67.

Use of heat parameters as one of methods for precision of boundaries in tectonic regionalization. V. N. Sobolevskaya, F. A. Makarenko, I. U. G. Bogomolov. Dokl. AN SSSR, 171, no. 4:944-947. D '66.

## EARTHMOVING MACHINERY

(see also subdivision under Earthmoving machinery)

Materials of a scientific conference. Mekhanizatsiya dorozhno-stroitel'nykh i meliorativnykh rabot; materialy nauchno-tekhnicheskoi konferentsii. Minsk, 1965, 70 p. [MICROFILM]

## EARTHQUAKES

(see also subdivision under Baikal Lake region)

Tokyo in flames. Z. Zav'yalov. Az. i Afr., seg., 10, no. 1:8-9. Ja '67.

## EARTHQUAKES AND BUILDING

(see also subdivision under Tashkent)

Displacement spectrum in calculating structures for seismic stability considering plastic deformations. S. S. Darbinian. Izv. AN Arm. SSR, Ser. tekhn. nauk, 10, no. 6:11-21. '66.

Effect of engineering and geological conditions on nature of destruction of buildings during earthquakes. P. M. Gressel'. Osn., fund. i mekh. grun., 8, no. 5:22-25. '66.

Joint of earthquake-proof buildings in series 1-464AS and 1-464ASP. L. Gendelman. Na stroi. Ros., 4, no. 7:28-27. Ji '63.

## EARTHS, MEDICAL AND SURGICAL USES OF (see also subdivision under Uk'dzhay, Lake, Omsk Province)

Reactions of the body to the effect of mud applications in experimental thyrotoxicosis. Report No. 1. V. S. Nevskiy and others. Vop. kur. i fiziotec. i lech. fiz. kul't., 31, no. 6:332-5. '66.

## EARTHWORK

(see also subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU))

All-Union school for advanced labor methodology for operators of excavators, bulldozers, and scrapers. A. P. Petrov. Mekh. stroi., 23, no. 12:28-30. D '66.

Digging foundation pits by excavating soil cores. I. Barch and others. Prom. stroi. i inzh. soor., 8, no. 6:6. N-D '66.

Effective method of soil working with D-357G self-propelled scrapers. I. P. Ishchenko. Tr. ans. stroi., 16, no. 2:5-6. F '66.

Loading automatic dump trucks using bulldozers. I. M. Braslavskiy. Mekh. stroi., 23, no. 12:13-14. D '66.

## EARTHWORK—EQUIPMENT AND SUPPLIES

Tractor-mounted equipment for working rock. S. I. Ben'iaminov. Mekh. stroi., 23, no. 12:22. D '66.

## EAST (NEAR EAST) see Near East

## EAST (SOVIET FAR EAST) see Soviet Far East

## EAST EUROPEAN PLAIN

Some controversial problems in the periodization of the Late Paleolithic in the East European Plain. P. I. Boriskovskiy. Trudy Kom. chetv. per., 18:46-49. '61.

## EAST EUROPEAN PLAIN—DIPLOPODA

Distribution of Diplopoda in Russian Plain in zonal aspect. I. L. Lokshina. Zool. zhur., 45, no. 12:1773-1778. '66.

## EAST EUROPEAN PLAIN—SOILS—IODINE CONTENT

Iodine in some soils of the Russian Plain and Crimea. N. G. Zyl'man, T. Kh. Imadi. Agrokhimiya, no. 1:100-116. Ja '67.

## EAST EUROPEAN PLAIN—STONE AGE

Solving some of the controversial problems of the geological dating of the East European Plain. G. I. Gorelskiy. Trudy Kom. chetv. per., 18:172-183. '61.

Statement. P. F. Fedorov. Trudy Kom. chetv. per., 18:203. '61.

## EAST GERMANY see Germany, East

## EAST KAZAKHSTAN PROVINCE—COMMUNIST YOUTH LEAGUE

We shall come to communism of good managers on industrial and agricultural enterprises. M. Kuz'mina. Mol. komm., no. 12:50-54. D '61.

## EASTERN EUROPE see Europe, Eastern

## EASTERN ORTHODOX CHURCH see Orthodox Eastern Church

## EASTERN SIBERIA see Siberia, Eastern

## EBULLITION

Microcinematographic study of the mechanism of growth and separation of steam bubbles of boiling liquids on horizontal flat surfaces and pores. T. S. Chigareva. Inzh.-fiz. zhur., 11, no. 6:773-778. D '66.

## ECHINOCOCCUS see Hydatids

## ECHINODERMATA—EMBRYOLOGY see Embryology—Echinodermata

## ECHMADZIN (ARMENIA)—LIBRARIES AND READERS

By the walls of Echmadzin. G. Mkrtchian. Bibliotekar', 14, no. 2:26. F '67.

## ECONOMIC ASSISTANCE, DOMESTIC see subdivision under Armenia

## ECONOMIC DEVELOPMENT

Problem of economic growth in west German bourgeois political economy. V. Katov. Mir, ekon. i mezhdunar. otn., no. 2:64-73. '67.

## ECONOMIC FORECASTING

Give more attention to forecasting. A. Klinskii. Vop. ekon., no. 1:154. Ja '67.

On forecasting in the optimal planning. S. Strumlin. Vop. ekon., no. 1:146-149. Ja '67.

## ECONOMIC FORECASTING—CONGRESSES

Methodological problems of economic forecasting. G. Kiperman, A. Klinskii, N. Lagutin. Plan, khoz., no. 2:72-78. F '67.

## ECONOMIC GEOGRAPHY see Geography, Economic

## ECONOMIC GEOLOGY see Geology, Economic





- CIENCY, INDUSTRIAL (Continued)**  
and the higher productivity of labor. IU Dubrovskii, *Pr. tekhn. nauch. i inzh. nauch.* no. 6 11-50 Ja '61
- KEYS** prepare their presents for the Congress of CPSU B. Pustukhov, *Mol. komm.* no. 6 23-26 '61
- KEYOV, MIKHAIL GRIGOREVICH, 1897-1942**  
army commander of unbending will. I. Vishnevetski, *Bochn. Voen.-ist. zh.*, 9 no. 1 124-128 Ja '67
- TRADE** see subdivision under Kiev Province
- PLANT** see subdivision under Ararat Plain
- INCUBATION**  
Initial evaluation of the intensity of the development of the embryos in hen eggs during incubation. S. O. Titser, *Dokl. TSKhA* no. 45:65-72 '59.
- PRESERVATION**  
Storing eggs in cold-storage compartments with controlled humidity. D. S. Kuznetsov and others, *Russk. tekhn.* no. 12 30-31 D '66.
- PT-ANTIQUITIES**  
Search of an ancient sage's tomb. I. Katanidze, *Pr. i. Afr. sag.*, 10 no. 1 60-61 Ja '67.
- PT-INSRIPTIONS, ARAMAIC**  
Aramaic inscription on a stele in Aswan. M. N. Golubov, *Palest. shen.* no. 15, 41-45 '66.
- PT-MONEY**  
Ancient Egyptian unit of value. O. D. Berlev, *Palest. shen.* no. 15:25-27 '66.
- PTIAN ANTIQUITIES** see subdivision under Lebanon
- PTIAN CHRONOLOGY** see Chronology, Egyptian
- PTIAN LANGUAGE-PAPYRI**  
Papyrus and demotic papyrus. I. A. Stuchevskii, *Vop. i. i. i.* no. 1 217-218 Ja '67.
- TENBURG, IL'IA GRIGOR'EVICH, 1891-**  
source of intelligence (conclusion). A. Mikhalevich, *Mol. komm.* no. 10:57-58 '66.
- ENFUNCTIONS**  
Expansion in eigenfunctions of self-adjoint operators corresponding to common elliptic problems containing eigenvalues in the boundary conditions. V. V. Birkovskii, *Russk. mat. zh.*, 10 no. 1 19-24 '67.
- ENVALUES**  
Expansion in eigenfunctions of self-adjoint operators corresponding to common elliptic problems containing eigenvalues in the boundary conditions. V. V. Birkovskii, *Russk. mat. zh.*, 10 no. 1 19-24 '67.
- STEIN, ALBERT, 1879-1955**  
Stein, Albert. [Collection of scientific works in four volumes] *Sobranie nauchnykh trudov v chetyrekh tomakh.* Ed. red. I. E. Tanana, I. A. Smorodinskogo, D. G. Kuznetsova. Moskva, Nauka, 1961. 318 p. (Papers on the kinetic theory, radiation theory, and the fundamentals of quantum mechanics, 1901-1955) *Raboty po kineticheskoi teorii, teorii izlucheniia i osnovam kvantovoi mekhaniki, 1901-1955.* 1906. 631 p. (Klassiki nauki)
- AM-COMMONS**  
Internally' contracts in Elam. IU. B. Iusifov, *Vest. rev. ist.* no. 4, 3-16 '66.
- ASTIC PLATES AND SHELLS**  
Symplectic equilibrium state of a plate having a rectangular hole. V. V. Panasinskii, L. V. Bulina, *Dop. AN URSSR* no. 12:1547-1552 '66.
- ASYMMETRIC** deformation of a circular two-layer plate with dense rod connections. I. A. B. Markman, *Pr. i. inzh. nauch. nauch. i inzh. nauch.* no. 3, 33-57 '66.
- ASYMMETRIC** equations of the motion of a shell considering the asymmetry of the stress tensor. D. V. Babich, *Pr. i. mekh.* no. 12:41-45 '66.
- ASYMMETRIC** of thin physically nonlinear plates. N. A. Shal'ga, *Pr. i. mekh.* no. 12:16-26 '66.
- ASYMMETRIC** allowance for elastic annular ribs of a closed cylindrical shell. S. V. Obrems'kiy, *Dop. AN URSSR* no. 7:883-887 '62.
- ASYMMETRIC** of preliminary contour stressing on the carrying capacity of a shallow double-curvature reinforced concrete shell supported in the corners. N. V. Akhmedov, P. Sokhadze, *Sobch. AN Gruz. SSR* no. 6:607-604 '61.
- ASYMMETRIC** equivalent linearization of nonlinear equations in the theory of elasticity and the application of equivalent linearization in the theory of the stability of shells. M. O. Kli'chev'skiy, *Dop. AN URSSR* no. 7, 75-879 '62.
- Experimental investigation of the strength of cylindrical shells under the action of local loads. M. V. Nikulin, *Pr. i. inzh. nauch. nauch. i inzh. nauch.* no. 3, 33-32 '66.
- IMPRESS** of a punch in the side surface of an elastic wedge-shaped foundation. S. I. Lutschenko, *Pr. i. mekh.* no. 12:61-66 '66.
- INTEGRAL** operator method in theory of vibrations of anisotropic bodies in creep. N. M. Dolina, *Dop. AN URSSR* no. 10 1276-1279 '66.
- LOGARITHMIC** partial solutions of the equation of cyclical deformation of a shallow tapered shell. L. F. Vovkoday, *Pr. i. mekh.* no. 12:49-53 '66.
- PROBLEM** of rapidly oscillating forces in the statistical theory of the stability of shells. V. M. Moncharenko, *Dop. AN URSSR* no. 7 887-890 '62.
- RESEARCH** on the investigation of the bending of plates beyond elastic limit. A. I. Strelbitskaia, *Pr. i. mekh.* no. 12:11-17 '66.
- RESOLV** solving axisymmetrical problems for round slabs on elastic foundation beds. O. I. A. Shchuker, *Osn. i. fund. i mekh. g. un.* B no. 5:1-5 '66.
- STABILITY** of plates of arbitrary shape. D. Zh. Mazumdar, *Vest. Mosk.-un. Ser. I. Mat., mekh.* 21 no. 6:61-70 N-D '66.
- SUMMER** school on the problem "Physical and geometrical problems in the theory of plates and shells." IU. R. Lepik, *Pr. i. mekh.* no. 12:135-136 '66.
- SUPERCRITICAL** deformations of cylindrical shell under external load. V. V. Mykhailov, *Dop. AN URSSR* no. 12 1545-1547 '66.
- ELASTIC PLATES AND SHELLS-VIBRATION**  
Correction of the approximate solution of the problem on natural vibrations of a plate in nonclassical formulation. V. G. Kikuchikov, *Pr. i. mekh.* no. 12:27-32 '66.
- ELASTIC RODS AND WIRES**  
Effect of prestressing on the stability of eccentrically compressed rods. A. P. Koval'skii, *Pr. i. mekh.* no. 12:100-108 '66.
- MATHEMATICAL** examination of some problems involving longitudinal vibrations of sectional rods composed of elastic and viscoelastic segments. S. I. Grudik, *Dif. urav.* no. 12:1639-1648 D '66.
- WAYS** of investigating methods for calculating pliable wires. V. K. Kachurin, *Stroitel. mekh. i. inzh. nauch.* no. 1 19-21 '67.
- ELASTIC RODS AND WIRES-VIBRATION**  
Dynamic stability of a flexible string. IU. K. Melashvili, *Sobch. AN Gruz. SSR* no. 44 no. 3, 663-670 D '66.
- NONLINEAR** vibrations and stability of rods subjected to dynamic loadings. L. I. Minevich, IU. K. Pivovarov, *Pr. i. mekh.* no. 12:54-60 '66.
- RESONANCE** passage of a rod with nonlinear supports. V. N. Pentsov, A. P. Filippov, *Pr. i. mekh.* no. 12:186-192 '66.
- SLIGHTLY** nonlinear three-dimensional vibrations of a rod. R. F. Il'in, S. V. Kogodii, *Pr. i. mekh.* no. 12:83-90 '66.
- ELASTIC SOLIDS**  
Formulas for determining stresses on the surface of elastic solid considering the geometrical nonlinearity. L. M. Kucherenko, *Izv. AN Uz. SSR. Ser. tekhn. nauk* no. 6:43-49 '66.
- STABILITY** of elastic systems in the minimum and maximum. L. I. Amiro, *Pr. i. mekh.* no. 12:133-40 '66.
- ELASTIC SOLIDS-VIBRATION**  
Self-parametric vibrations of a vibrationproof system with a nonlinear elastic characteristic. V. A. Iyevich, *Pr. i. mekh.* no. 12:176-81 '66.
- ELASTIC WAVES**  
Studying the rate of propagation of elastic waves in granites of Ukrainian shield (under isostatic pressure of up to 1500 bar.). D. V. Korniets, *Geofiz. sb.* no. 17:22-35 '60.
- ELASTIC WAVES-SPEED**  
Determining propagation speed of elastic wave along string of rods of subsurface pump unit. A. M. Kogoril, *Izv. vyssh. ucheb. zav. i. inzh. nauch. i inzh. nauch.* no. 8:110 '66.
- ELASTIC WAVES-VELOCITY**  
Case of the influence of structural disturbance on velocity of elastic wave propagation. V. G. Guterman, *Dop. AN URSSR* no. 12:1584-1587 '60.
- ELASTICITY**  
Axisymmetric dynamic problem concerning a stamp on an elastic half-space. V. B. Poruchikov, *Vest. Mosk. un. Ser. I. Mat., mekh.* 21 no. 6:114-120 N-D '66.
- EQUATIONS** describing the elastoplastic state of a linear anisotropically strengthening medium. N. I. Shvaiko, *Izv. AN Kir. SSR* no. 2:12-24 S-O '66.
- GENERALIZED** theory of couple-stresses in elasticity theory. V. A. Lomakin, *Vest. Mosk. un. Ser. I. Mat., mekh.* 22 no. 1:82-88 Ja-F '67.
- Impingement of a cone against a thin elastic membrane. S. S. Grigor'ian, D. M. Grigor'ian, *Pr. i. mekh.* no. 6 1045-1048 N-D '66.
- ITERATIVE** process for solving finite-dimensional contact problems. V. M. Fridman, V. S. Chernina, Zh. A. Yech. *mat. i. mekh.* no. 1 160-163 Ja-F '67.
- STRESS** in notched elastic half-space. Zh. P. Rokva, *Sobch. AN Gruz. SSR* no. 44 no. 3:549-556 D '66.
- THEORY** of elasticity with spatial dispersion. Three-dimensional complex structures. V. I. Burdakovskii, *Pr. i. mekh.* no. 6 1071-1080 N-D '66.
- ELASTICITY-BOUNDARY VALUE PROBLEMS**  
Contact problems for a half-space with an inclusion. N. Kh. Arutunian, A. A. Baholian, *Pr. i. mekh.* no. 6 1050-1055 N-D '66.
- FIRST** fundamental problems in the theory of elasticity for a rectangular parallelepiped. G. M. Valov, *Pr. i. mekh.* no. 6 1057-1070 N-D '66.
- LANB'S** problem for an inhomogeneous elastic half-space. A. G. Alentsyn, *Pr. i. mekh.* no. 1 5-12 '66.
- ELASTICITY-PROBLEMS, EXERCISES, ETC.**  
Ger'boveki politekhnikeskii institut. *Kafedra soprotivleniia materialov*. [Standard problems for tests and examinations on the courses of the strength of materials, theory of elasticity and mechanical engineering. Tipovye zadachi k zadaniu i ekzaminu po kursam soprotivleniia materialov, teorii uprugosti i stroitel'noi mekhanike mashin. Gos. knt. 1864. 18 p.] [MICROFILM]
- ELASTOMERS**  
Effect of the conditions of solidification on the protective properties of coatings based on the GEN-150/V and VDU-3 elastomers. M. K. Kovaleva, Z. S. Utianski, *Lakobras. mat. i. inzh. nauch.* no. 6 25-29 '66.
- ELBRUS, MOUNT-METEOROLOGY-OBSERVATIONS**  
Actinometric and general meteorological observations on the Elbrus saddle (5,300 m above sea level). A. P. Voloshin, *Vest. Mosk. un. Ser. I. Geog.* 16 no. 1 52-59 Ja-F '61.
- ELECTION LAW** see subdivision under Estonia; Kirghizistan; Latvia
- ELECTIONS**  
Clubs for voters. *Agitator* 34 no. 3:2-5 F '67.
- ELECTIONS** to the Soviets. *Agitator* 34 no. 2:6-7 Ja '67.
- ELECTIONS** to the Soviets and tasks of the party organizations. *Part. zhizn'* no. 2:10-22 Ja '67.
- HELPERS** of the party. N. Talachuk, *Agitator* 34 no. 4 5 F '67.
- PROMOTE** the significance of the election activists. N. Kukun, *Part. zhizn'* no. 3 38-39 F '67.
- ELECTRIC APPARATUS AND APPLIANCES-DRAWINGS**  
Standardizing regulations for the presentation of drawings of electrotechnical devices. D. M. Maikhu, *Stand. i. uch.* no. 11 22-21 N '66.
- ELECTRIC ARC**  
Rakhovskii, V. I., G. V. Levchenko, and O. K. Teodorovich. [Arcing-tips of electrical apparatus] *Razryvnye kontakty elektricheskikh apparatov*. Pod red. V. I. Rakhovskogo. Moskva, Energiia, 1966. 204 p.
- ELECTRIC BATTERIES-STANDARDS**  
[Storage devices cells, and batteries] *Akkumulyatory, elementy i baterii*. Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 211 p. (SSSR. Gosudarstvennyye standarty)
- ELECTRIC BREAKDOWN** see Breakdown, Electric
- ELECTRIC BRUSHES** see Brushes, Electric
- ELECTRIC CABLE SHEATHING-CATHODIC PROTECTION**  
Corrosion and methods of protecting the aluminum sheathing of communication cables. A. F. Lunev, K. K. Mirovskii, *Zashch. met.* no. 3 no. 1:85-91 Ja-F '67.
- ELECTRIC CABLES**  
Installation of 200 kv. oil-filled cables in the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 7:60-64 '66.
- LK-1** and LK-2 calibrating lines for cables. *Prom. stroit. i inzh. nauch.* no. 6:139 N-D '66.
- NEW** regulations on laying and fanning out a cable. L. I. Urisev, *Avtom., telemek. i svyaz'* no. 11:18-21 N '66.
- ELECTRIC CABLES-CORROSION**  
Construction of the sheathing grounding of a long-distance communication cable. E. P. Alekseev, L. N. Stolskaia, *Avtom., telemek. i svyaz'* no. 11 9-10 N '66.
- EPOXY** paint corrosion protection of cable pipelines. V. I. Safronchik, *Energ. stroit.* no. 1 67-70 '66.
- ELECTRIC CIRCUITS**  
Calculating a circuit consisting of series connected nonlinear resistance and load shunted by a capacitance. L. A. Fridman, V. M. Frantsovich, V. P. Tabachnik, *Defektoskopiia* no. 2:165-162 '66.

## ELECTRIC CONDUCTIVITY

Effect of electron irradiation on the electric properties of gallium arsenide. M. A. Krivos, S. V. Mal'nikov, V. N. Budny, Izv. vuz. ucheb. zav., fiz. 9 no. 6:133-134 '66.

Study of the reaction involved in the formation of uranyl fluoride by means of electric conductivity. A. A. Vorontsova, Zhur. neorg. khim. 12 no. 1108-1110 Ja '67.

## ELECTRIC CONDUCTORS

Lysachenko, I. A. [Electric and radio-engineering materials] Elektro-radiomaterialy, Moskva, Svyaz, 1967, 195 p.

## ELECTRIC CONTACTS

Rakhovskiy, V. I., G. V. Levchenko, and O. K. Teodorovich [Arcing-tips of electrical apparatus] Razyvnyye kontakty elektricheskikh apparatov. Pod red. V. I. Rakhovskogo Moskva, Energiya, 1966, 294 p.

## ELECTRIC CONTROLLERS

Noncontact PI regulator of the thermodynamic system of instruments. I. O. Abago, K. I. Didenko, G. I. Zagali, Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:65-58 N '66.

Potentialstatic study of the state of nickel electrode surface in alkaline solution. V. R. Loodmaa, M. E. Khaga, V. C. Past, Izv. vuz. ucheb. zav., khim. i khim. tekhn. 9 no. 5:799-801 '66.

Raising the level of engineering efficiency of electric control systems for wood working machines. E. V. Guntchenko, Tekhn. i org. proizv. no. 6:21-25 N-D '66.

## ELECTRIC CURRENT CONVERTERS

Electronic-ionic single-phase to three-phase frequency converter for regulating the speed of asynchronous motors. D. A. Zayalshin, B. F. Shukalov, Sbornik po vop. elektromekh. no. 4:92-102 '60.

General rules and methodology for studying steady-state and transient operating conditions in the network of the single-phase ionic converter of an electric locomotive. S. V. Zakharovich, Sbornik po vop. elektromekh. no. 4:122-147 '60.

Some problems in the protection of valve converters. M. Z. Khamudkhanov, S. Z. Usmanov, K. Muminov, Izv. AN Uz. SSR Ser. tekhn. nauk. 10 no. 6:28-33 '66.

Static converters using regulated silicon rectifiers. G. A. Shilber, Elektr. i teple. tuga 10 no. 12:10-11 D '66.

[Systems for excitation and regulation of synchronous machines and large static converters] Sistemy vzbuzhdeniya i regulirovaniya sinkhronnykh mashin i moshnyye staticheskie preobrazovately. Moskva, Nauka, 1967, 213 p.

## ELECTRIC CURRENT RECTIFIERS

Bykov, E. I. [Silicon power rectifiers] Silovye kionle-vyye vypryamiteli. Moskva, Energiya, 1966, 98 p. (Biblioteka elektromotora, no. 210)

Calculation of fault conditions during the breakdown of a rectifier in rectifier units using an automatic computer. V. I. Stul'mkov, E. V. Kolchev, V. A. Kiyatsov, Energiya i elektr. no. 8:32-34 N-D '66.

Controlled semiconductor rectifier with nonsymmetrical anode voltage. V. P. Bondarenko, Gor. elektromekh. i avtom. no. 1:24-27 '65.

Distribution of the potential in rectifying elements of the system Al-Bi-Sc-dielectric-Cd and Sn alloy. R. A. Solov'ev, Izv. vuz. ucheb. zav., fiz. 9 no. 6:30-39 '66.

Parallel operation of d. c. generators and nonregulated rectifiers. I. V. Zhezhenenko and others, Energiya i elektr. no. 6:22 N-D '66.

Pulsations of rectified current in rectifier motors. V. A. Kuchumov, Vest. TSNi MFS 25 no. 7:14-18 '66.

Rectifiers. Radio no. 11:55 N '66.

Scientific and technological conference on the use of semiconductor power rectifiers and thyristors in railroad transportation. V. N. Stasick, Elektrichestvo no. 11:91-93 Ja '67.

Storage battery charging device using germanium cells. V. Gavrilushin, Tekhn. i sel'khoz. 21 no. 12:18-38 D '61.

## ELECTRIC CURRENT RECTIFIERS—SAFETY MEASURES

Protection of semiconductor rectifiers from damage due to reverse current fluctuations. A. I. Uvayov, Elektrichestvo no. 1:72-77 Ja '67.

## ELECTRIC CURRENTS—GROUNDING

Methods for calculating the leakage resistance of the reinforced concrete foundations of power transmission line towers. N. P. Katigrob, Elektr. sta. 37 no. 12:64-65 '66.

Stability of the resistance of grounding devices in soils treated with small doses of electrolytes. A. V. Sergeev, Dokl. TSKIA no. 44:85-91 '59.

## ELECTRIC CURRENTS, ALTERNATING

Dynamic characteristics of glow discharge on alternating current. I. U. M. Emel'tanov, V. F. Gvoz'd', M. M. Bogorodskiy, Vest. Mosk. un. Ser. 2: Khim. 21 no. 6:8-11 N-D '66.

Effect of alternating current on anodic processes in aqueous solution of acetate. G. A. Korshinskiy, E. F. Fedorov, Elektrokhimia 2 no. 12:1395-1399 D '66.

## ELECTRIC CURRENTS, EDDY

Calculation of currents and potentials in the rail-ground-underground structure system. I. V. Strizhevskiy, Str. i truboprov. 6 no. 12:15-17 D '61.

Calculation of eddy currents in conductors with complex form. F. I. Petruschenko, Izv. AN SSSR Energ. i tsvet. no. 6:59-70 N-D '66.

## ELECTRIC CURRENTS, LEAKAGE—MEASUREMENT

The IPU-2 equipment for measuring and recording leakage currents in electric locomotive haulage systems. V. L. Korshenkov, Gor. elektromekh. i avtom. no. 1:67-75 '65.

## ELECTRIC CUTOFFS

Three-column magnet-type disconnecting switch. I. G. Solominsk, Elektr. i teple. tuga 10 no. 12:17 D '66.

## ELECTRIC CUTTING MACHINERY

Basis for the selection of electric operating conditions in electric-cositive grinding of hard alloys. M. N. Ushin, E. A. Decv, Trakt. i sel'khoz. mash. 39 no. 3:39-42 M '60.

Electric spark precision equipment. B. I. Stavitskiy, Mashinost. oitel' no. 1:10-12 Ja '67.

Electrical apparatus for cutting glass. S. I. Arkhit, Uzb. 7 no. 12:49 D '66.

## ELECTRIC CUTTING MACHINERY—EQUIPMENT AND SUPPLIES

Set of special attachments for electric erosion machines. G. B. Remizov, Bul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 12:27-32 D '66.

## ELECTRIC DISCHARGES

Effect of flame interaction on structural and spectroscopic characteristics of pulse discharge. M. A. Sultanov, Zhur. prikl. spekt. 5 no. 5:574-580 N '66.

Possibility to study the pinch-discharge from stimulated self-radiation. V. M. Lukhachev, M. S. Rabinovich, V. M. Sidorovskiy, Pis'ma v zh. teoret. i eksper. fiz. 5 no. 2:55-57 Ja '67.

Processes occurring at electrode during passage of electric current through electrolytes. B. R. Lazarenko, N. I. Lazarenko, Fiz. i khim. mat. no. 1:3-10 '66.

Production and spectroscopic study of plane-parallel asymmetric plasma layer of pulse discharge with wide temperature range. V. A. Bondar', L. I. Kiselevskiy, Zhur. prikl. spekt. 5 no. 5:560-573 N '66.

## ELECTRIC DISCHARGES THROUGH GASES

Dynamic characteristics of glow discharge on alternating current. I. U. M. Emel'tanov, V. F. Gvoz'd', M. M. Bogorodskiy, Vest. Mosk. un. Ser. 2: Khim. 21 no. 6:8-11 N-D '66.

Pavlova, E. N. [Gas-discharge photon counters] Gazo-radiatsionnye schetchiki fotonov, [Leningrad] Izd-vo Leningr. univ., 1966, 109 p.

Spectroscopic and probe study of a contracted positive discharge column. Part 2. I. U. B. Golubovskiy, I. U. M. Kagan, R. I. Litushchenko, Opt. i spekt. 21 no. 5:525-531 N '66.

Studying some characteristics of excitation of copper spectral lines in hollow-cathode discharge. P. P. Ostrovenin, Zhur. prikl. spekt. 5 no. 5:581-585 N '66.

Studying the discharge plasma in helium and argon doped with cesium and potassium vapors. Part 1. N. D. Morgul'skiy, I. N. Potushkin, Teplofiz. vyz. temp. 4 no. 6:745-752 N-D '66.

Waves and noises in a positive column plasma at low pressure. A. A. Zaitsev, B. N. Shvilkun, Dokl. AN SSSR 172 no. 3:565-568 Ja '67.

## ELECTRIC DOUBLE LAYER

Structure of electric double layer on platinum in the presence of surface-active collins and anions. G. N. Mansurov, V. E. Kazarinov, N. A. Balashova, Elektrokhimia 2 no. 12:1438-1443 D '66.

Structure of the dense part of double layer. L. I. Kislitskiy, Elektrokhimia 2 no. 12:1483-1485 D '66.

## ELECTRIC DRIVING

Ankhimuk, V. L., and O. P. Ushin. [Designing of automated electric drive systems with amplidyne amplifiers] Raschet sistema avtomatizirovannogo elektroprivoda s elektronashinnymi usilitel'nyimi, Minsk, Vysheishaya shkola, 1966, 232 p.

Concerning the analysis of the synchronous motor of the main unit of a Blumling drive. G. V. Rubtsov, Sbornik po vop. elektromekh. no. 4:20-33 '60.

Special features of the design of the electrical drive of a crane trolley. M. M. Perel'muter, Elektrichestvo no. 1:62-55 Ja '67.

Static converters in the electric drive of pulp grinders. O. E. Terent'ev, Bum. prom. no. 1:10-11 Ja '67.

Testing the parameters of TsPO centrifugal drives. V. K. Titul'mukh, Mash. i obrab. dila mekh. i avtomatiz. trud. prota. v ugo'l. prom. no. 2:325-328 '65.

## ELECTRIC DRIVING—MODELS

Simulation of the excitation networks of d. c. machines in the electrodynamic models of electric drives. V. V. Rudakov, V. M. Mamodov, Sbornik po vop. elektromekh. no. 4:103-112 '60.

ELECTRIC ENGINEERING—BIBLIOGRAPHY see Bibliography—Electric engineering

## ELECTRIC ENGINEERING—HANDBOOKS, MANUALS, ETC.

Pasechnik, N. D. [Elementary electrical engineering] Elementarnaya elektrotekhnika 10. apr. izd., Kiev, Tekhnika, 1965, 223 p.

## ELECTRIC ENGINEERING—PERIODICALS

Contents of "Elektromekhanika" for 1966. Izv. vuz. ucheb. zav., elektromekh. 9 no. 12:1100-1107 '66.

## ELECTRIC ENGINEERING—PROBLEMS, EXERCISES, ETC.

Chekanov, V. D. [Collection of problems and exercises in general and mining electrical engineering] Sbornik zadach i uprazhneniy po obshchei i gornoi elektrotekhnike, Moskva, Nedra, 1966, 223 p.

## ELECTRIC EQUIPMENT INDUSTRY—ACCOUNTING see subdivision under Moscow

## ELECTRIC EQUIPMENT INDUSTRY—PRODUCTION STANDARDS

Important trend of improving economic work in enterprises. A. Kosichkin, Sots. bud. 12 no. 2:102-105 F '67.

## ELECTRIC FIELDS

Behavior of a heavily alloyed semiconductor in an electric field. Z. A. Khamatullin, Vest. Mosk. un. Ser. 3: Fiz. i astr. no. 21 no. 6:11-18 N-D '66.

Effect of constant electric and magnetic fields on the optical properties of monocrystals in which excitons are generated. I. U. A. Tsvetkov, Uzb. fiz. khim. 4 no. 5:654-663 S-O '66.

Effect of diatomic impurities on the electroconductivity of solid dielectrics in strong electric fields. A. V. Baranov, N. I. Dlinova, Izv. vuz. ucheb. zav., fiz. 9 no. 6:149-150 '66.

Effect of electric field on chemisorption of molecules on the surface of germanium. V. I. Lashenko, A. A. Saba, I. I. Stepanko, Khim. i tekhn. 7 no. 6:1095-1098 N-D '66.

Electric field effect on the electroconductivity of solid and liquid organic semiconductors. M. I. Boshakov, P. K. Mitkevich, Izv. vuz. ucheb. zav., fiz. 9 no. 6:127-127 '66.

Electric moment of a spherical particle allowing for the conductivity of the particle and the medium. A. V. Nasorgina, Izv. vuz. ucheb. zav., fiz. 9 no. 6:17-18 '66.

Method of studying dynamic nonlinearity of ferroelectric crystals in superhigh-frequency fields. I. V. Ivanov, N. A. Morozov, Fiz. i teple. tuga 8 no. 11:3210-3225 N '66.

Motion of charged dislocations in 1d1' crystals in alternating electric fields. D. G. Dilaev, V. A. Melik-Shavina-zov, Fiz. i teple. tuga 8 no. 11:3280-3281 N '66.

Motion of organic liquids in an alternating inhomogeneous electric field. I. M. Soldatovskiy, Izv. vuz. ucheb. zav., fiz. 9 no. 6:151-152 '66.

Sound vibrations in dielectrics in an external electric field. L. V. Loffe, Fiz. i teple. tuga 8 no. 11:3274-3275 N '66.

## ELECTRIC FIELDS—MEASUREMENT

Method of measuring the electric field created by developing seeds. L. K. Chervina, Fiz. i teple. tuga 8 no. 11:3274-3275 N '66.

## ELECTRIC FILTERS

High frequency wave traps. Elektr. sta. 33 no. 3:92 Mr '62.

Kislakov, I. S. [Designing of electrical filters] Raschet elektricheskikh fil'trov Moskva, Energiya, 1967, 80 p. (Biblioteka po radioelektronike, no. 6)

Slavskiy, G. N. [Active RC and RCL filters and selective amplifiers] Aktivnye RC- i RCL-fil'try i izbiratel'nye usiliteli Moskva, Svyaz, 1966, 215 p.

## ELECTRIC FISHING

Damage in Caspian sprat caused by electric fishing. I. V. Nikonorov, Ryb. prom. 65:8-14 '60.

Device for electric fishing. S. Malkovskiy, Sbornik v ryb. prom. za 1961 g., 19.

Reaction of saur to light as related to the amount of food consumed. S. G. Zueser, Trudy VNIRO 60:213-228 '66.

## ELECTRIC FURNACES

Kryptol furnace as object of control. S. A. Zakharov, Ogneprom. 31 no. 12:18-22 D '66.

## ELECTRIC FURNACES—DESIGN AND CONSTRUCTION

Performance of periclase-spinellite brick in electric steel smelting furnaces. M. N. Koshcheva and others, Stal' 21 no. 11:992-993 N '61.

## ELECTRIC FUSES

Contactless network for checking fuses. P. N. Zhil'tsov, Avtom. i teple. i svyaz' 10 no. 12:40-41 D '66.

## ELECTRIC GAUGES

Device for determining breakdown point in insulation of current supply to electric drill during feed on the scheme of two wires and pipe. A. F. Petrunin, Mash. i obrab. no. 11:30-31 '66.

## ELECTRIC GENERATORS

- Contactless voltage regulators for d.c. and a.c. generators. I. I. Buzov, M. N. P. Sidorov, I. V. Vysotskiy, A. V. Kholodnykh, 9 no. 12, 137-139 '66.
- Determination of the number of turns of the stator winding of an asynchronous generator with maximum load angle. K. G. Kozlovskiy, I. V. Vysotskiy, A. V. Kholodnykh, 9 no. 12, 137-139 '66.
- Electrical braking of hydrogenerators. I. D. Bogdanov, G. I. Vitkovskiy, Elek. sta. 37 no. 12, 41-44 '66.
- Emergency excitation of the generator of the T1750 diesel locomotive. M. N. Bratukhin, A. I. Ivanov, Elek. i tepl. tuga 10 no. 12, 37 '66.
- Emergency excitation of the main generator. D. G. Evdachenko, Elek. i tepl. tuga 10 no. 11, 10-11 '66.
- Failure of an auxiliary generator. E. A. Boer, Elek. i tepl. tuga 10 no. 11, 11 '66.
- Parallel operation of d.c. generators and nonregulated rectifiers. I. V. Zhelezhenko and others, Izv. G. I. elek. no. 6, 22 N-D '66.
- Problem concerning the electrical braking of synchronous generators. V. I. Kishinev, N. S. Shylo, Sbor. rab. po vop. elektromekh. no. 1, 56-62 '66.
- Use of asynchronous generators in hydroelectric power stations. V. V. Mikhailov, Elek. sta. 37 no. 12, 45-10 '66.
- Voltage fluctuations of a synchronous generator. A. V. Novikov, N. G. Tseluk, Elektricheskoye no. 1, 85-87 '66.

## ELECTRIC HEATING

- Contactless control chains with semiconducting elements for the automation of electric heating installations. I. K. Kiselev, A. Manykin, Tekhn. v nauch. 26 no. 12, 31-31 '66.

## ELECTRIC HEATING ELEMENTS

- Manufacturing heating-element branches of PbTe and PbSe semiconductor alloys by hot extrusion. V. S. Smirnov, A. M. Alekseev, M. P. Stishkin, Trudy LPI no. 260, 6-11 '66.
- Problems of the technology of producing heating element branches of the BiTe<sub>2</sub>-Sb<sub>2</sub>Te<sub>3</sub> alloy by extrusion. V. S. Smirnov, A. M. Alekseev, Trudy LPI no. 260, 12-17 '66.

## ELECTRIC INDUSTRY WORKERS see subdivision under Krasnodar

## ELECTRIC INSTRUMENTS

- Device for checking the closed angle of breaker contacts. A. Kutyshov, Avt. izобр. 40 no. 6, 50 '62.
- Efficiency meter for road tests of a carburetor engine. P. V. Fedorov, N. G. Samoilov, Avt. izобр. 33 no. 1, 17-19 '67.

## ELECTRIC INSULATORS AND INSULATION

- Damage of insulators in 6-35 kv. power distribution networks in the Ukrainian S. S. R. V. V. Sotapkin, V. N. Kolesnikov, Elek. sta. 37 no. 12, 88-89 '66.
- Effect of difficult climatic conditions on the structural materials of high-voltage insulators. B. I. Gaidash, I. M. Mironov, Energ. stot. no. 7, 70-71 '66.
- Investigating aging of insulation in NB 412M traction motors. V. Ch. Ozemblovskiy, Vest. TSNi MPS 25 no. 8, 11-15 '66.
- Lysachenko, I. A. [Electric and radio-engineering materials] Elektr. i radio-mater. Moskva, Svyaz', 1967, 185 p.
- Maximum potential during a rain at long and short term action of commercial frequency. E. V. Kalinin, O. V. Karpova, Elek. sta. 37 no. 12, 58-61 '66.
- New method for reinforcing 3-10 kv. pin insulators. P. I. Gudima, Elek. sta. 37 no. 12, 83 '66.
- Support insulators with hollow ribbing. P. Bogdanov, B. I. Gaidash, V. N. Glushchenko, Elek. sta. 33 no. 3, 71-75 '62.
- Susceptibility to damage of suspension insulators on 110 and 220 kv power transmission lines. I. B. Shur, Elek. sta. 33 no. 3, 83-84 '62.

## ELECTRIC INSULATORS AND INSULATION—RELIABILITY

- Operational reliability of insulators in regions of considerable pollution. E. N. Danilov, P. A. Timmerman, Vest. TSNi MPS 25 no. 7, 40-51 '66.

## ELECTRIC INSULATORS AND INSULATION—STANDARDS

Russia (U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Solid electric insulating materials; method for determining arc resistance] Materialy elektrozollatsionnykh i dvoye; metody opredeleniya dugostoiimosti, GOST 10345-66. Izd. ofitsial'noe, Moskva, Izd-vo Standartov, 1966, 10 p. (SSSR, Gosudarstvennyye standarty)

## ELECTRIC INTERFERENCE

- Interference of various frequencies due to bremsstrahlung. I. A. B. Zeldovich, Pis'ma v zh. teoret. i eksper. fiz. 4 no. 10, 426-429 '66.

## ELECTRIC LIGHTING—STANDARDS

- Russia (U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Light fixtures with incandescent lamps and high-pressure mercury lamps for lighting streets, roads, and squares, general technical requirements] Svetilniki s lampami nakhlyanin i dugovymi raznyimi lampami (DRL) dlya osveshcheniya ulits, dorog i ploshchadei; obshchie tekhnicheskiye trebovaniya, GOST 8045-66. Izd. ofitsial'noe, Moskva, Izd-vo Standartov, 1966, 15 p. (SSSR, Gosudarstvennyye standarty)

## ELECTRIC LIGHTING OF SHIPS

- Ovchinnikov, G. I. A. [Electric lighting equipment of ships, maintenance and care] Sudovoye elektricheskoye osveshcheniye, obsluzhivaniye i ukhod, Moskva, Transpiz, 1966, 45 p.

## ELECTRIC LINES

- Construction of scaffolding for high-voltage electric transmission cables. I. U. Blagoderet, V. Bugay, Prom. stot. i inzh. soor. 8 no. 6, 38 N-D '66.
- Determination of conductor sizes using a method of economic intervals. A. M. Manilov, D. I. Rozinskiy, V. P. Lysotskiy, Energ. i elek. no. 8, 44-45 N-D '66.
- Method of characteristics for solving the telegraph equation. Ch. M. Dzhuvaliy, E. V. Dmitriyev, G. M. Alizade, Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk. no. 4, 115-120 '66.

## ELECTRIC LINES—MAINTENANCE AND REPAIR

- Consideration of line susceptibility in searching for fault points in lines using locating instruments. G. M. Shalyt, Elektricheskoye no. 1, 17-20 '67.

## ELECTRIC LINES—OVERHEAD

- Calculation of overhead power transmission lines with different height of suspension points. M. M. Krymakin, Elek. sta. 33 no. 3, 59-63 '62.
- Damage of insulators in 6-35 kv. power distribution networks in the Ukrainian S. S. R. V. V. Sotapkin, V. N. Kolesnikov, Elek. sta. 37 no. 12, 88-89 '66.
- Disconnection of 220 kv power transmission lines not under load. F. A. Likhachev, Elek. sta. 33 no. 3, 63-71 '62.
- Effect of difficult climatic conditions on the structural materials of high-voltage insulators. B. I. Gaidash, I. M. Mironov, Energ. stot. no. 7, 70-71 '66.
- Fastening of wires on the pin insulators of intermediate poles of 6-10 kv. lines. I. U. F. Belousov, Elek. sta. 37 no. 12, 83-85 '66.
- Five hundred kv. electric transmission line from the Stalingrad Hydroelectric Power Station to Moscow. A. D. Romanov, Energ. stot. no. 2, 206-212 '64.
- From experience of operating machines for erecting electric power transmission lines. M. N. Solovov, Transp. stot. 16 no. 3, 10-11 '66.
- Kernogov, V. V., and A. Sh. Kogan. [Methods and program for calculations using the "Minsk-2" digital computer for the selection of the cross section of power transmission lines taking into account the dynamics of the load and the local conditions] Metodika i programma rascheta na EVM "Minsk-2" vyborn secheni provodov liniy elektropredachi s uchelom dinamiki nagruzki i mekhanicheskikh usloviy. Minsk, Vychislitel'nyy tsentr, 1967, 20 p.

## [MICROFILM]

- Maximum potential during a rain at long and short term action of commercial frequency. E. V. Kalinin, O. V. Karpova, Elek. sta. 37 no. 12, 58-61 '66.
- New method for reinforcing 3-10 kv. pin insulators. P. I. Gudima, Elek. sta. 37 no. 12, 83 '66.
- Susceptibility to damage of suspension insulators on 110 and 220 kv power transmission lines. I. B. Shur, Elek. sta. 33 no. 3, 83-84 '62.
- ELECTRIC LINES—POLES AND TOWERS (see also subdivision under Latvia)
- Methods for calculating the leakage resistance of the reinforced concrete foundations of power transmission line towers. N. P. Katigob, Elek. sta. 37 no. 12, 64-65 '66.
- Poles made of spun reinforced concrete with lightweight aggregates. V. Sh. Kalendadze, Bet. i zhelezo, bet. no. 12, 440-444 '61.

## ELECTRIC LINES—SAFETY MEASURES

- Experience in the operation of magnetic-valve dischargers. D. V. Shishman, Elek. sta. 37 no. 12, 85-86 '66.

## ELECTRIC LOCOMOTIVES

- Automatic valve for discharging condensate. V. D. Zotov, Elek. i tepl. tuga 10 no. 11, 32 N '66.
- Electromagnetic processes during smooth regulating of voltage of traction motors. N. I. Radonov, Vest. TSNi MPS 25 no. 7, 40-44 '66.
- General rules and methodology for studying steady-state and transient operating conditions in the network of the single-phase ionic converter of an electric locomotive. S. V. Zakharovich, Sbor. rab. po vop. elektromekh. no. 4, 122-147 '60.
- Investigating aging of insulation in NB 412M traction motors. V. Ch. Ozemblovskiy, Vest. TSNi MPS 25 no. 8, 11-15 '66.
- Measures in increasing the life of VL8 and VL23 electric locomotives. V. G. Zamiat, I. R. Litvinov, Elek. i tepl. tuga 10 no. 11, 7-10 '66.

## ELECTRIC LOCOMOTIVES—COLD WEATHER OPERATION

- Cold weather operation of ChS2 electric locomotives. E. E. Ridel', Elek. i tepl. tuga 10 no. 12, 35-37 '66.

## ELECTRIC LOCOMOTIVES—CURRENT SUPPLY

- Saving of electric power, an important duty of the engineer. G. I. Gavrilov, Elek. i tepl. tuga 10 no. 12, 10-11 '66.
- We have changed the power supply networks of pantographs and main switches. A. F. Titov, Elek. i tepl. tuga 10 no. 11, 35 N '66.

## ELECTRIC LOCOMOTIVES—DESIGN AND CONSTRUCTION see subdivision under Kirov Rog Basin

## ELECTRIC LOCOMOTIVES—ELECTRIC EQUIPMENT

- Check of the magnetic circuit of inductive shunts of VL8 electric locomotives. N. A. Serdyuk, Elek. i tepl. tuga 10 no. 11, 17-19 N '66.
- Regulation of electric locomotive relays. A. S. Prokopenko, Elek. i tepl. tuga 10 no. 12, 33 '66.

## ELECTRIC LOCOMOTIVES—MAINTENANCE AND REPAIR

- Suggestions on the repair and modernization of VL8 electric locomotives. V. A. Terentev, Elek. i tepl. tuga 10 no. 12, 32-33 '66.
- We have blocked motor and brake motors. A. I. Ponomarev, Elek. i tepl. tuga 10 no. 11, 34 N '66.

## ELECTRIC LOCOMOTIVES—PERFORMANCE

- Effect of wear of wheel pairs on the tractive properties of electric locomotives. N. F. Medvedev, G. N. Volkov, Vest. TSNi MPS 25 no. 7, 36-39 '66.

## ELECTRIC LOCOMOTIVES—SAFETY MEASURES

- In the interest of rolling stock safety. A. V. Repashchevskiy, N. N. Gornunov, Elek. i tepl. tuga 10 no. 11, 35 N '66.

## ELECTRIC MACHINERY

- Calculation of dissipation in the tooth heads of electrical machines. I. B. Danilevich, Sbor. rab. po vop. elektromekh. no. 4, 31-43 '60.
- Calculation of eddy currents in conductors with complex form. E. I. Petrusenko, Izv. AN SSSR, Energ. i transp. no. 6, 59-70 N-D '66.
- Construction of thermal characteristics of electrical machines. L. G. Abelshteyn, L. I. Mgaloblishvili, A. Sh. Azikurti, Sbor. AN Gruz. SSR 44 no. 2, 379-386 N '66.
- Magnetomotive and electromagnetic force diagram of actual saturation of a nonsalient-pole machine. L. A. Drozdova, G. M. Khutortseki, Izv. vuz. ucheb. zav. i elektromekh. 9 no. 12, 1380-1388 '66.
- Problem concerning the construction of the magnetic circuit of an electric machine using magnetic-nonsalient pole steel. E. G. Kisharaki, Sbor. rab. po vop. elektromekh. no. 4, 76-91 '60.
- Use of Hall transducers for measuring the electromagnetism moments of electrical machines. V. A. Misanikov, Sbor. rab. po vop. elektromekh. no. 4, 254-269 '60.
- Using high-frequency equipment for the intensification of technological processes. R. K. Sakovich, Biul. tekh. i ekon. inform. Gos. nauch. i issled. inst. nauch. i tekhn. inform. 10 no. 12, 24-26 '66.

## ELECTRIC MACHINERY—ALTERNATING CURRENT

- Methods for studying asynchronous machines. P. P. Gazdajka, Izv. vuz. ucheb. zav., elektromekh. 9 no. 12, 1329-1336 '66.

## ELECTRIC MACHINERY—DIRECT CURRENT

- Calculation and study of the heating of the main pole of a large d.c. machine. V. G. Danilov, Izv. vuz. ucheb. zav., elektromekh. 9 no. 12, 1318-1323 '66.
- Simulation of the excitation networks of d.c. machines in the electric dynamic models of electric drives. V. V. Rudakov, V. M. Kamedov, Sbor. rab. po vop. elektromekh. no. 4, 103-112 '60.

## ELECTRIC MACHINERY—RELIABILITY

- Objective method for determining the life of electrical machines. P. S. Bondarenko, M. A. Flaks, Energ. i elek. no. 6, 33 N-D '66.

## ELECTRIC MACHINERY, SYNCHRONOUS

- Dynamic characteristics of the torque of a synchronous salient-pole machine during connection in a network. V. I. A. Kikachetvili, Sbor. AN Gruz. SSR 44 no. 3, 707-714 '66.
- Increase in the precision of the experimental determination of losses in synchronous machines. G. V. Karpov, Sbor. rab. po vop. elektromekh. no. 4, 62-76 '60.
- Study of weight-size characteristics of synchronous machines. A. G. Elbshits, Elektricheskoye no. 1, 1-5 '67.

## ELECTRIC MACHINERY, SYNCHRONOUS—COOLING

- Elimination of faults in the cooling system of synchronous compensators. G. S. Degil', Elek. sta. 33 no. 3, 87-88 '62.
- Systems for excitation and regulation of synchronous machines and large static converters. Sistemy vobuzhdeniya i regulirovaniya sinkhronnykh mashin i moshchnye staticheskiye preobrazovateli, Moskva, Nauka, 1967, 213 p.
- Telemetry of the temperature of the rotor winding of a synchronous machine. I. U. S. Kuznik, Elek. sta. 37 no. 12, 65-69 '66.

## ELECTRIC MACHINERY INDUSTRY—INFORMATION SERVICES see subdivision under Vilnius

## ELECTRIC MACHINERY INDUSTRY—MANAGEMENT see subdivision under Buryat A. S. S. R.; Novaya Kakhovka (Ukraine)

## ELECTRIC MEASUREMENTS

- Jansons, V.** [Electrical measuring apparatus and measuring methods] Elektriskie mēraparāti un mērīšanas metodes Rīga, Līesma, 1967 243 p. [In Latvian]  
Phase characteristic in magnetic recording R M Belitsky Radiotekhnika 23 no 1104-1106 Ja '67

## ELECTRIC METAL CUTTING

- Electric saw for cutting LPMG-I metal B M Ivanov Bezop. tuda v. prot. 11 no 153-51 Ja '67  
Electric spark resistance cutting of semiconductor materials A N Melnikov, I A Rostov, R I Pistrin Elektr. obr. mat. no 135-39 '66  
**Foteev, N. K.** [Sparks machine metals] Iskra obrabatyvaet metall. Moskva, Znanie, 1967, 29 p. (Novoe v zhizni, nauka, tekhnika, IV Seriya, Tekhnika, no. 2)  
Studying certain possibilities of precise electric spark machining with a smooth electrode with I I Sazhin Elektr. obr. mat. no 170-87 '66

## ELECTRIC METAL CUTTING--CONGRESSES

- Scientific and technical branch conference on electrochemical machining of metals to size Elektr. obr. mat. no 181 '66

## ELECTRIC METAL CUTTING--EQUIPMENT AND SUPPLIES

- Certain types of equipment for precise electric spark machining of metals B I Slavitskiy Elektr. obr. mat. no 111-27 '66  
Selecting an electrode material for electric spark machining G V. Simsonov, I M. Mitya, A N Krashinskiy Elektr. obr. mat. no 128-32 '66

## ELECTRIC METAL CUTTING--TERMINOLOGY

- List of principal terms and definitions on electric spark machining of materials Elektr. obr. mat. no 151-56 '66

## ELECTRIC METERS

- A model of electric meters P P Tyurin Shkola i protiv. 10 no 10-59 O '66  
Small-sized device for determining surface faults in power system components A S Iosadina, P I. Zherchov Elektr. sta. 37 no 1276-77 D '66

## ELECTRIC MOMENTS

- Electric moment of a spherical particle allowing for the conductivity of the particle and the medium A V. Ras-torgucyn. Izv. vys. ucheb. zav., fiz. 9 no 67-10 '65

## ELECTRIC MOTORS

- Automatic control of a thyatron motor M. Z. Khanrud-zhanov, I Saifullaev Izv. AN Uz. SSR Ser. tekhn. nauk 10 no 611-19 '66  
Conversion of a micromotor, V. Verlaim. Radio i tv. 24-25 N '66  
Modeling of a saturated magnetic circuit of an electric traction motor using electrically conductive paper, V. I. Voichenskov. Izv. AN SSSR, Energ. i transp. no. 6 14-50 N-D '66  
Selecting transmissions for reducer electric motors, A. E. Shuster. Det. mash. i pod'em. -transp. mash. no. 1116-125 '65  
Turbulent flow of a conductive liquid in an annular channel in presence of a circularly rotating magnetic field, A. V. Ivanov-Smolenskiy, G. S. Tamaolov. Izv. AN SSSR, Energ. i transp. no. 6 71-73 N-D '66

## ELECTRIC MOTORS--SAFETY MEASURES

- Partial differential protection of a 3500 kw motor, R. M. Ziganshin. Elektr. sta. 33 no 390 Mr '62  
Thermal protection of electric motors, E. I. Malakhovskiy, A. K. Slavinskiy Energ. i elektr. no. 6, 26-28 N-D '66

## ELECTRIC MOTORS--STARTING DEVICES

- Magnetic starting unit for the ZIF-300 drilling rig, I. A. Bakhtolovskiy and others, Razved. i okh. nedr. 26 no. 3: 19-51 Ag '60.

## ELECTRIC MOTORS, ALTERNATING CURRENT

- Transistor RC-master oscillator for thyristor frequency converters, E. E. Uudin, V. V. Trifonuk. Energ. i elektr. no. 8, 29-31 N-D '66.

## ELECTRIC MOTORS, ALTERNATING CURRENT--DESIGN AND CONSTRUCTION

- Two-motor alternating current drive with rotary stator for mine hoisting equipment, V. M. Belovskiy, E. P. Shlepa, I. U. G. Borzjak. Izv. vys. ucheb. zav., gos. zhut. 8 no. 9 126-134 '65.

## ELECTRIC MOTORS, INDUCTION

- Bi-metallic relay of the combined heating of the control circuit of an induction motor, V. A. Klemm-Sharonov, A. T. Romishevskiy. Energ. i elektr. no. 6, 28-29 N-D '66  
Electronic-ionic single-phase to three-phase a. c. frequency converter for regulating the speed of asynchronous motors, D. A. Zavallishin, B. F. Shukalov. Sbor. rab. po vop. elektromekh. no. 4-92-102 '60.  
Graphical study of the effect of the parameters of the start winding on the torque of a single-phase motor, G. V. Ivanova. Izv. vys. ucheb. zav., elektromekh. 9 no. 12, 1324-1328 '66.

- Graphico-analytical calculation of operating characteristics of a single-phase asynchronous motor with an inductive phase-shifting reactance M. Z. Khanrudzhinov, A. A. Kadyrov, N. R. Usmankhodzhaev. Izv. AN Uz. SSR Ser. tekhn. nauk 10 no 674-37 '66  
Indicator of the slip of asynchronous motors A V. Ilin Gos. elektromekhn. inst. no 128-31 '65  
Investigating the system valve frequency converter-asynchronous motor under anomalous conditions M. Z. Khanrudzhinov, A. A. Khashimov. Izv. AN Uz. SSR Ser. tekhn. nauk 10 no 66-13 '66

## ELECTRIC MOTORS, INDUCTION--TESTING

- Effect of frequency on the dimensions and losses of an asynchronous motor M. Z. Khanrudzhinov, Sh. S. Valiev. Izv. AN Uz. SSR Ser. tekhn. nauk 10 no 621-27 '66.

## ELECTRIC MOTORS, POLYPHASE

- Multiphase shunt-wound commutator motor and its equivalent circuit V. G. Pashinskiy. Elektrichestvo no. 1, 51-65 Ja '67.

## ELECTRIC MOTORS, SYNCHRONOUS

- Concerning the analysis of the synchronous motor of the main unit of a Blum drive G. V. Rubisov. Sbor. rab. po vop. elektromekh. no 4 20-33 '60  
Effective number of pole pairs of a synchronous machine with rolling rotor, V. V. Varfel. Elektrichestvo no. 115-68 Ja '67.

## ELECTRIC MOTORS, SYNCHRONOUS--SPEED

- Adjustable synchronous relative electric drive V. M. Belovskiy, E. P. Shlepa, B. Kh. Bogopol'skiy. Izv. vys. ucheb. zav., gos. zhut. 10 no 125-129 '67.

## ELECTRIC NETWORK ANALYZERS

- Calculation of current surge of nonsynchronous cutting-in using a c network analyzer N. S. Iavorskiy. Elektr. sta. 33 no 390 Mr '62

## ELECTRIC NETWORKS

- (see also subdivision under White Russia)  
Approximation method for calculating transient processes in nonlinear elements, A. N. Bazhenov. Prib. i elektr. no 37-19 N-D '66  
Balancing system for a single-phase varying active load A. K. Shidlovskiy and others. Prib. i elektr. no 37-40 N-D '66

- Calculation of current surge of nonsynchronous cutting-in using a c network analyzer, N. S. Iavorskiy. Elektr. sta. 33 no. 390 Mr '62  
Calculation of integral values from currents and voltages in linear electric circuits, L. P. Afanogenov. Tizny GGO no 199 114-116 '66.

- Conversion of an active delta circuit with one nonlinear element to a wye circuit and vice versa, S. I. Faikhi. Elektrichestvo no. 1182-64 Ja '67.

- Elementary experiments with the c-phase circuit M. A. Zaitov. Shkola i protiv. 10 no. 12, 28-32 D '66.

- Harmonic analysis of inertialless nonlinear networks, S. K. Savin. Radiotekhnika 22 no. 110-14 Ja '67

- Integral method for studying parametric systems, S. I. Vighin. Radiotekhnika 22 no. 111-9 Ja '67.

- Methods for modeling processes in electrical networks by means of automatic computers, S. M. Rozhavskiy, B. M. Polienko. Energ. i elektr. no. 6, 34-39 N-D '66

- Physical interpretation of interconnection formulas, S. I. Litvinov. Elektrosvar. 21 no 123-30 Ja '67.

## ELECTRIC NETWORKS--SAFETY MEASURES

- Furmanov, B. M. [Chamberless evaluation of sparkproof conditions of electrical networks; a scientific report] Deskmamernaya otsenka iskrobezopasnosti elektricheskikh tspeet, nauchnyi doklad Moskva, In-t gornogo deln im. A. A. Skochinskogo, 1966 33 p.

## ELECTRIC NETWORKS--TESTING

- Serov, V. I., and G. V. Khmel'. [Automatic BVK-3 detection chamber for testing spark proof state of electrical circuits; operating manual] Avtomaticheskaya vzyryvnaia kamera tipa BVK-3 dlia ispytaniia elektricheskikh tspeet na iskrobezopasnost', rukovodstvo po eksploatatsii. Moskva, In-t gornogo deln im. A. A. Skochinskogo, 1966, 26 p.

## ELECTRIC OIL WELL LOGGING see Oil well logging, Electric

## ELECTRIC POWER

- [Electric power production and utilization in foreign countries, supplement to the periodical "Elektricheskoe sluzhenie"] Energokhuiz, za rub. no. 1 Ja-F '67.

- Issuing bonuses to workers for the economic use of fuel, electric and thermal power. Sots.trud. 12 no. 1:137-141 Ja '67.

- Scientific foundation of economizing the expenditure of electric power, L. P. Sokolova. Vech. ered. shkola 9 no. 3, 41-46 My-Je '68.

## ELECTRIC POWER DISTRIBUTION

- Accuracy of information in the optimization of the operation of power systems, G. M. Pavlov, S. S. Petrova. Elektrichestvo no. 1:30-32 Ja '67.

- Approximation method for calculating transient processes in nonlinear elements, A. N. Bazhenov. Prib. i elektr. no 37-19 N-D '66

- Calculation of current surge of nonsynchronous cutting-in using a c network analyzer, N. S. Iavorskiy. Elektr. sta. 33 no 390 Mr '62

- Construction of outdoor-type 200 and 500 kv. distribution systems of the Bialsk Hydroelectric Power Station. Energ. stroit. no 7 51-60 '66.

- Decreasing nonsymmetry in an electrical system by combining a c. fraction substations to parallel operation, I. A. Kuvshinskiy. Energ. i elektr. no. 6, 11 N-D '66

- Determination of conductor sizes using a method of economic intervals A. M. Manilov, D. I. Rozvinskiy, V. P. Iavorskiy. Energ. i elektr. no. 6 11-15 N-D '66

- Different structure of municipal power distribution networks V. A. Kozlov. Elektr. sta. 37 no. 12 16-18 D '66

- Elimination of faults in the cooling system of asynchronous compensators G. S. Deght'. Elektr. sta. 33 no 390 Mr '62.

- Equalization of phase capacitance relative to earth in 35 kv networks V. Z. Annimkov. Elektr. sta. 33 no 156-58 D '66.

- Introduce electric power into living conditions of the Maritime Territory, Na stol. Roz. 4 no. 110 D Mr '61.

- Limitation of single-phase short circuit currents in 110 kv. network, Ch. M. Dzhanov, V. V. Dmitriyev. Dokl. AN Azerb. SSR 22 no. 8:15-17 '66.

- Method for determining power loss in municipal low voltage power distribution networks M. G. Iukhovich. Elektr. sta. 33 no 380-82 Mr '62

- Operation of power directional induction relays with overloaded current transformers, V. V. Mikhlin, B. A. Krasobinskiy, I. V. Podgoranyi. Elektr. sta. 33 no. 12 69-72 D '66.

- Operation of spring switch drives of UPGP and PP-61 types I. Z. Shmukler. Elektr. sta. 33 no. 3 11-14 Mr '62

- Optimization of the operation of a complex electrical system using a gradient method with its breakdown to subsystems, A. Z. Gomm, I. A. Ivannov, I. A. Voinov. Elektrichestvo no. 1:21-28 Ja '67.

- Organization of telemetering of the total power of electric power plants and loads of substations, H. H. Rudenko and others. Energ. i elektr. no. 6 45-16 D '66

- Proposed voltage system for the power supply of rural areas, F. Kh. Usmanov. Elektrichestvo no. 1181-74 Ja '67.

- Registration of overvoltages at the open end of a cable line, I. P. Polavov, I. Kh. Khalilov, N. A. Polavov. Elektr. sta. 37 no 1250-55 D '66.

- Reservation in rural 35-110 kv. power distribution networks, F. Kh. Usmanov. Elektr. sta. 37 no. 12 11-15 D '66.

- Venkov, V. A., ed. [Transient processes in electrical systems with examples and illustrations] Perekhvatnyye protsessy elektricheskikh sistem v primerakh i illiustratsiyakh. [By] N. D. Antimova i dr. Izd. 2., Moskva, Energiya, 1967, 455 p.

## ELECTRIC POWER DISTRIBUTION--CONGRESSES

- All-Union conference on the quality of potential and its regulation in electric networks and systems, I. P. Meshcheriakov. Elektr. sta. 33 no. 3 93-96 Mr '66.

## ELECTRIC POWER DISTRIBUTION--HIGH TENSION

- Economic effectiveness of using expanded conductors with extrahigh tension power transmission lines, G. N. Aleksandrov, T. V. Ilaevskaya, V. R. Okonchov. Elektrichestvo no. 1:17-19 Ja '67.

## ELECTRIC POWER DISTRIBUTION--SAFETY MEASURES

- Disconnection of 220 kv power transmission lines under load F. A. Ikhachev. Elektr. sta. 33 no. 1 67-71 Mr '62

- Operation of 110 kv outdoor surge arresters, M. I. Gal'perin. Elektr. sta. 33 no. 3 69-90 Mr '62

## ELECTRIC POWER DISTRIBUTION--SAFETY REGULATIONS

- Supplements and amendments to the "Rules for safety engineering in the operation of municipal power distribution systems and networks up to 1000 v." Elektr. sta. 33 no. 3 92 Mr '62.

## ELECTRIC POWER PLANTS

- (see also subdivision under Leningrad; Ukraine)

- Basic trends and tasks in the development of district heating in the U. S. S. R. for the next 10 to 20 years, G. B. Levontal', L. A. Molent'ev. Teploenergetika 7 no. 8:3-8 Ag '60.

- Improvement of the organization of material and equipment supply of electric power station construction sites. Energ. stroit. no. 7:75-79 '60.

- Installation of electric equipment, A. V. Filippov. Energ. stroit. no. 2:189-205 '61.

- Methods of obtaining the characteristics of the power machinery of electric power stations, V. A. Skolnikov. Elektr. sta. 33 no. 3:5-11 Mr '62.



## ELECTRIC POWER PLANTS (Continued)

Mikhailov, V. A., and B. I. Norovskiy. [Automation of shipboard electric power plants]. Avtomatizatsiya sudovyykh elektrotekhnicheskikh stantsiy. Leningrad, Sudoshebnits, 1966. 318 p.

New method for fastening cover plates to reinforced concrete columns. N. I. Men'kun. Energ. stroit. no. 7. 12-15 '66.

Optimization of the parameters of future cycles and networks of the next power systems. I. S. Popov, V. I. Pustelchikov, A. I. Shevtshenko. Energ. stroit. no. 12. 11-13 '66.

Possibility of the utilization of the additional electric power peak capacity in heat and electric power plants. A. F. Afanas'ev, M. M. Romlin. Teploenergetika. no. 8. 21-23. Ag '60.

Problems of low-temperature power engineering. I. M. Rozhnov. Izv. AN SSSR, Energ. i transp. no. 5. 81-96. N-D '66.

Prospects of the expansion of industrial heat and electric power plants in high capacity power systems. A. N. Kuznetsov. Teploenergetika. no. 8. 15-21. Ag '60.

Quick mastery of 100 Mw. blocks, a principal problem of power engineering. V. P. Shannin. Energ. i elek. no. 6. 6-9. N-D '66.

Thermodynamic features of steam and gas cycles. R. G. Bulgakov. Energ. stroit. no. 12. 11-16. 48. N '66.

Wind pressure on the surface of the main building of a block thermal electric power plant. A. M. Terplanin. Shor. trud. NIET. no. 11. 44-49. '64.

## ELECTRIC POWER PLANTS—COSTS

Effect of initial basic cost transportation on the optimum capacity of condensation electric power plants. B. I. Shvachin, A. A. Chernukhin. Teploenergetika. no. 8. 67-71. Ag '60.

## ELECTRIC POWER PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Donets Basin)

In the Council on New Equipment of the Ministry of Power Engineering and Electrification of the U.S.S.R. Energ. stroit. no. 7. 105-101 '66.

## ELECTRIC POWER PLANTS—EQUIPMENT AND SUPPLIES

Concerning A. A. Tsekhekovskii's article entitled "Organization of equipment repair of block-type electric power plants." I. G. Ruvinskii. Elek. sta. no. 1. 40. 11 '62.

Organization of equipment repair of block-type electric power plants. A. A. Tsekhekovskii. Elek. sta. no. 3. 71-70. 11 '62.

Plotting dynamic characteristics of relative increase of boiler units of thermal electric power plants. D. M. Podin. Izv. AN Arm. SSR, Ser. tekhn. nauk. no. 6. 27-28. '66.

Use of individual open cycle systems of coal pulverization in thermal electric power plants with large blocks. V. A. Pavlov. Energomashinostroye. no. 9. 22-25. '66.

## ELECTRIC POWER PLANTS—FUEL CONSUMPTION

Method of calculating the technical and economic indices of a thermal electric power station. M. V. Iakobson, A. N. Korovin. Elek. sta. no. 3. 7-5. 11 '62.

## ELECTRIC POWER PLANTS—HEATING AND VENTILATION

Studying the model of the aeration and the temperature cycle in the main building of a State regional electric power station with a capacity of 2100 thousand kw. G. T. Tatichuk, A. M. Terplanin. Shor. trud. NIET. no. 13. 28-31. '62.

## ELECTRIC POWER PLANTS—PERIODICALS

Contents of the magazine "Elektrotekhnicheskii stantsii" for 1965. Elek. sta. no. 37. 12. 69-95. D '66.

## ELECTRIC POWER PRODUCTION see subdivision under United States

## ELECTRIC POWER SUPPLY TO APPARATUS

(see also subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU))

Regulator of power supply voltage with pulsed feed of a capacitor. S. I. Gusev. Trudy GGO. no. 109. 170-173. '66.

## ELECTRIC PROSPECTING

Dependence of percolation potentials in fine-grained rocks in size of pores. D. A. Shapiro. Izv. AN SSSR, Fiz. zem. no. 12. 71-76. '66.

Electromagnetic wave diffraction by perfectly conducting half-plane located in inhomogeneous medium. E. V. Zakharov, V. I. Dmitriev. Izv. AN SSSR, Fiz. zem. no. 11. 83-89. '66.

Possibilities of inductive methods of electric prospecting for deposits of magnetic ores. I. A. Dobrovol'skiy, I. U. V. Iakubovskii. Izv. vyz. uchob. zav.; geol. i razv. no. 1. 118-120. Ja '67.

Practice in studying karst in permafrost. L. A. Dobrovol'skiy. Izv. vyz. uchob. zav.; geol. i razv. no. 1. 121-122. Ja '67.

Resolving power of radiocomparison and radiogoniometry method in mapping rocks. I. U. B. Shaub. Izv. AN SSSR, Fiz. zem. no. 12. 67-70. '66.

Using radiocomparison and radiogoniometry methods in airborne electromagnetic prospecting over isometric ores. I. U. B. Shaub. Izv. AN SSSR, Fiz. zem. no. 12. 62-66. '66.

## ELECTRIC PROTECTION—STANDARDS

Russia (U.S.S.R.). Komitet standartov, mor. i izm. i tekhn. pribov. [Protection of wire communication systems from overvoltages and currents originating in their lines, regulations and schematics]. Zashchita ustanovok po vodnoi svyazi ot opasnykh napravlenii i tokov, voznikayushchikh na liniakh, pravila i skhemy. GOST 5238-66, Izd. Otsentral'noe. Moskva, Uzd-vo Standartov, 1966. 23 p.

## ELECTRIC PUMPING MACHINERY see Pumping machinery, Electric

## ELECTRIC RAILROADS see subdivision under Sayan Mountains

## ELECTRIC RAILROADS—BRAKES

Modernized Ust. No. 352 break release signaling device. F. V. Oreshkin. Elek. i tepl. tiaga. no. 11. 36-37. N '66.

## ELECTRIC RAILROADS—CARS

Resistance to movement of electric cars. M. R. Barskii, I. B. Shvedci, N. V. Taron. Vest. TSNII MPS. 25. no. 8. 8-11. '66.

## ELECTRIC RAILROADS—COMMUNICATION SYSTEMS

Device for recording signal and interference levels. A. I. Tushinskii, S. M. Tropkin. Avtom. i telem. i svyaz'. no. 11. 3-5. N '66.

## ELECTRIC RAILROADS—CURRENT SUPPLY

Decreasing nonsymmetry in an electrical system by combining a.c. traction substations to parallel operation. I. A. M. Kancovskii. Energ. i elek. no. 6. 41-44. N-D '66.

## ELECTRIC RAILROADS—ELECTRIC EQUIPMENT

Operational reliability of the storage batteries of a.c. trains. T. I. Makinkov. Elek. i tepl. tiaga. no. 10. 11. 30. N '66.

Scientific and technological conference on the use of semiconductor power rectifiers and thyristors in railroad transportation. V. N. Stasik. Elektricheskoye no. 1. 91-93. Ja '67.

## ELECTRIC RAILROADS—HEATING AND VENTILATION

Changed heat control network of the ERBP electric train. A. P. Zakharov, V. L. Galka. Elek. i tepl. tiaga. no. 12. 20. D '66.

## ELECTRIC RAILROADS—MANAGEMENT

Work practices in the Perm railroad power supply district. V. A. Sholin, G. A. Kaurav. Elek. i tepl. tiaga. no. 10. 12. 1-4. D '66.

## ELECTRIC RAILROADS—RAILS

Coefficients of friction between wheels and rails of electric locomotives in open-pit mines. I. U. I. Danilshin. Izv. vyz. uchob. zav.; geol. i razv. no. 1. 111-113. '67.

## ELECTRIC RAILROADS—SUBSTATIONS

Reserve protection of 10 kv. entrances. A. M. Timofeev. Elek. i tepl. tiaga. no. 12. 21. D '66.

Semiconductor transducers in automatic control systems of substations. V. N. Bakhrakh. Elek. i tepl. tiaga. no. 11. 26-27. N '66.

## ELECTRIC RAILROADS—WIRES AND WIRING

Electric train using three pantographs, this provides reliability and efficiency. I. U. A. Rodzaevskii. Elek. i tepl. tiaga. no. 12. 12-13. D '66.

Operational reliability of insulators in regions of considerable pollution. E. N. Dagaev, E. A. Timmerman. Vest. TSNII MPS. 25. no. 7. 48-51. '66.

Pneumatic and hydraulic compensator. L. F. Belov. Elek. i tepl. tiaga. no. 12. 43. D '66.

Restoration of electrical strength of dismantlable towers with glass-plastic pipes. B. S. Blinov. Elek. i tepl. tiaga. no. 11. 14-15. N '66.

Simple method for fastening the central runner of the PZ pantograph. A. S. Sharikov. Elek. i tepl. tiaga. no. 11. 13. N '66.

Use of a tape recorder in the study of electrical processes. I. U. V. Peshakov, A. N. Zakharov. Elek. i tepl. tiaga. no. 12. 27. D '66.

Wider use of parallel connection points. V. V. Voskresenskii, V. A. Savchenko. Elek. i tepl. tiaga. no. 12. 24-25. D '66.

## ELECTRIC RAILWAY MOTORS

Check of the symmetry of the magnetic circuit of electric locomotive traction motors. G. M. Bolichenko, I. U. N. Naumenko, V. A. Krasnikov. Elek. i tepl. tiaga. no. 12. 14-15. D '66.

Single-phase collector-type secondary traction motor for the electric locomotive and electric rolling stock. V. M. Lupkin. Shor. rab. po vop. elektromekh. no. 4. 145-156. '60.

Traction motors of V18 electric locomotives are operating with greater reliability. I. U. N. Naumenko. Elek. i tepl. tiaga. no. 12. 15-16. D '66.

## ELECTRIC RAILWAY MOTORS—MAINTENANCE AND REPAIR

Machine for grinding the pinching ribs of electric traction motors. V. G. Lomonosov. Elek. i tepl. tiaga. no. 10. 12. 16-17. D '66.

## ELECTRIC REACTORS

Electromagnetic characteristics of a regulated reactor with transverse magnetization. M. S. Izbashin, I. I. Dorozhko. Elektricheskoye no. 1. 56-61. Ja '67.

Equations of electromagnetic processes of a three-regulated reactor. V. G. Chasachin. Izv. AN SSSR, Energ. i transp. no. 6. 19-21. N-D '66.

Method for calculating the switching currents of a three-phase saturable reactor. V. M. Sorokin. Izv. AN SSSR, Energ. i transp. no. 6. 25-33. N-D '66.

Optimal range of regulation of a controlled reactor with rotating magnetic field. S. V. Urov, A. K. Chernovskiy, V. S. Kuznetsov. Izv. AN SSSR, Energ. i transp. no. 6. 12-18. N-D '66.

Testing of a network for split connection of 500 kv. reactors. K. I. Kur'micheva. Elek. sta. no. 37. no. 12. 80-82. D '66.

## ELECTRIC RELAYS

Bimetallic relay of the combined heating of the control circuit of an induction motor. V. A. Klimin-Shatunov, A. T. Rukhovich. Energ. i elek. no. 6. 26-29. N-D '66.

Operation of power directional induction relays with overloaded current transformers. V. V. Mikhailov, B. A. Kozhichikov, I. V. Pogonyi. Elek. sta. no. 37. no. 12. 69-72. D '66.

Protection of the insulation of the neutral relay in 110 kv. transformers from thunderstorm overvoltages. Ch. M. Dzhuravly, M. M. Muslimov. Izv. AN Azerb. SSR, Ser. fiz. i tekhn. nauk. no. 1. 120-127. '66.

Regulation of electric locomotive relays. A. S. Protopopov. Elek. i tepl. tiaga. no. 10. 12. 31. D '66.

## ELECTRIC RELAYS—VIBRATION

Eliminating the vibration of contacts in valve-type relays. E. I. Komarov. Trudy SIMSII. no. 2. 71-76. '61.

## ELECTRIC RESONATORS

Effect of active zone boundary on spectral composition of induced radiation. Ch. K. Mikhlinov. Dokl. AN SSSR. 171. no. 6. 1301-1304. D '66.

## ELECTRIC RHEOSTATS

Using induction rheostats in conveying lines of overall mine haulage equipment. V. A. Chirko, V. V. Shapovalov. Bulet. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. no. 10. 55-56. N '66.

## ELECTRIC SHIP PROPULSION see Ship propulsion, Electric

## ELECTRIC SHOCK—THERAPEUTIC USE

Electroconvulsive therapy in schizophrenia according to materials of the Tomsk Psychoneurological Hospital. S. I. Liotov. Trudy Gos. nauch.-issl. inst. psikh. 26. 104-113. '61.

## ELECTRIC SPARK

Problem of calculating spark hazard safety in direct-current circuits with lumped inductance. M. A. Rothenberg. Gor. elektromekh. i avtom. no. 1. 15-23. '65.

## ELECTRIC SUBSTATIONS

Permissible overload of transformers in municipal power distribution networks. B. M. Baizanov, R. I. Fedosenko. Elek. sta. no. 33. no. 3. 76-78. 11 '62.

## ELECTRIC SWITCHGEAR

D. Iachkov, V. S. [110-220 kv. air-blast switches with air-filled separators]. Vozdushnye vykluchatel' 110-220 kv. a vozdukhonaplnennymi otdelitel'm. Moskva, Energija, 1967. 112 p. (Biblioteka elektromontera, no. 211).

Improvement of systems for controlling 220-500 kv. air-blast switches. R. I. Turko. Energ. i elek. no. 6. 23-24. N-D '66.

Operation of spring switch drives of UGPP and PP-61 types. I. Z. Shmukler. Elek. sta. no. 33. no. 3. 71-74. 11 '62.

Rakhovskii, V. I., G. V. Levchenko, and O. K. Teodorovich. [Arcing-tips of electrical apparatus]. Razryvnye kontakt' elektricheskikh apparatov. Pod red. V. I. Rakhovskogo. Moskva, Energija, 1966. 294 p.

Replacement of air-blast switches in an enclosed 110 kv. power distribution unit. E. I. Khaun, K. B. Molisev. Elek. sta. no. 37. no. 12. 82. D '66.

Switching capability of the VVN-110 air switches. Elek. sta. no. 33. no. 3. 92. 11 '62.

## ELECTRIC SWITCHGEAR—RELIABILITY

Increasing the operational reliability of VMG-133 switches. G. I. Kutsavil', N. L. Gol'man. Elek. sta. no. 12. 33. D '66.

## ELECTRIC TRANSFORMERS

Calculating capacitance stabilization in electric drives with electronic control of  $\lambda$ . A. Ivanov, V. N. Minin, L. I. Polina. *Dokl. Akad. Nauk SSSR* no. 134-38 '63.

Calculation of short-circuit resistances of model transformers. V. K. Shtroko, G. M. Smolin. *Sbornik nauch. i tekhn. inform.* no. 143-16 '60.

Data on transformers of the T-10 instrument bus. D. L. Baburin. *Avtom. i tekh. i svyaz'* no. 11-31 '66.

Distortion of the peak of a transformer pulse by a pulse transformer with a coaxial cable. M. M. Igret, V. S. Nashov, T. S. Shchegoleva. *Elektricheskoye stroitel'stvo* no. 107-88 Ja '67.

Errors of current transformers with air cores. I. U. N. Katsagin. *Lich. sta.* 37 no. 12 18-50 D '66.

Installation of main 220 and 500 kv transformers in the Bratsk Hydroelectric Power Station. *Energ. stroit.* no. 747-51 '66.

Kosler, Slavomir, and Milan Kubat, eds. [Semiconductors in transformer technology. Translated from the Czech.] *Poluprovodniki v preobrazovatel'noi tekhnike*. Pod red. A. A. Sakovicha. Moskva, Energiya, 1965, 355 p.

Operation of power directional induction relays with overloaded current transformers. V. V. Mikhailov, B. A. Korobeynikov, F. V. Podgurnyi. *Lich. sta.* 37 no. 12 69-72 D '66.

Permissible overload of transformers in municipal power distribution networks. B. M. Baranov, R. A. Fedosenko. *Elek. sta.* 33 no. 3 78-79 Mi '62.

Probability-statistical method for calculating the power of shop transformers. E. N. Nisenzon. *Prom. Arm.* 9 no. 11-37-38 '66.

Properties of transformer oil mixtures. L. A. Gorchankova, A. I. Danilova, I. I. Besonov. *Elek. sta.* 37 no. 12 61-63 D '66.

Protection of the insulation of the neutral relay in 110 kv transformers from thunderstorm overvoltages. Ch. M. Dzhuvarly, M. M. Musilov. *Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i matemat. nauk* no. 4 120-127 '66.

Shidlovich, L. Kh. [Differential transformers and their applications.] *Differentsial'nye transformatory i ikh primeneniye*. Moskva, Energiya, 1966, 95 p. (Biblioteka po avtomatike, no. 210)

## ELECTRIC TRANSFORMERS—DESIGN AND CONSTRUCTION

Heterogeneity of specific losses of cold-rolled electrical steel and its effect on idling losses of a transformer. V. V. Aleina. *Dokl. Akad. Nauk SSSR* no. 6, 21-26 '66.

## ELECTRIC TRANSFORMERS—MAINTENANCE AND REPAIR

Concerning M. A. Pesochin's article entitled "Gas protection of transformers." E. S. Iglitskiy. *Elek. sta.* 33 no. 3 91 Mr '62.

Servicing of transformers. S. V. Sologub. *Puti i puti khoz.* 10 no. 10 38-40 '66.

## ELECTRIC WELDING

Determining the quality of welded joints and the weldability of small-size parts from nonferrous metals in resistance spot welding. N. M. Sokolov. *Trudy SIMSKH* no. 24-29-38 '61.

Electric butt welding of the ends of steel rings. S. I. Tolokov. *Ryb. prom.* no. 53 70-71 '60.

Frequency building-up of cutting tools with sintered alloy. P. G. Kuz'menko, A. I. Khristoforov. *Tekhn. i prom.* no. 6 32-34 N-D '66.

Near equalities in the theory of electric resistance welding. V. N. Ivanov. *Trudy SIMSKH* no. 24 15-18 '61.

Resistance spot welding of platform parts of the ZIL-455 dump truck. S. M. Lashchikov and others. *vt. prom.* 37 no. 1 34-35 Ja '67.

Resistance welding with direct current. S. V. Shablygin. *Trudy SIMSKH* no. 24-30-45 '61.

Selecting conditions for manual electric arc welding of steel parts. L. Karpov. *Tekhn. i sel'khoz.* 27 no. 1 80-88 '67.

Temperature of the point of contact in resistance welding. N. M. Sokolov, M. A. Belousova. *Trudy SIMSKH* no. 24 51-57 '61.

## ELECTRIC WELDING—CORROSION

Corrosion resistance of electrically welded 1Kh18N9T steel. A. A. Babakov, B. S. Ladyzhinskii. *Stal'* 21 no. 11 1026-1029 N '61.

## ELECTRIC WELDING—EQUIPMENT AND SUPPLIES

Designed by the Institute of Electric Welding. *Inform. biul. VDNKH* no. 112-13 Ja '67.

Deak with exhaust ventilation. I. A. Shevkopias. *Tekhn. i sel'khoz.* 26 no. 12 62 D '66.

Driven machine for welding rotating parts. I. A. Nikulin. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 10 no. 11 68-69 N '66.

Lathe with built-in reducing gear for welding. K. Dondokov, I. U. Tarasov, G. Torbecov. *Tekhn. i sel'khoz.* 26 no. 12 69-70 D '66.

Magnetic state of a welding transformer operating in a complete short circuit. N. M. Sokolov. *Trudy SIMSKH* no. 24 47-50 '61.

Necessity of scientific justification of technical specifications for the equipment of resistance welding. N. M. Sokolov. *Trudy SIMSKH* no. 24 3-14 '61.

Program-controlled multielectrode contact welding machine. N. I. Aichin and others. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 10 no. 11 31-35 N '66.

Unit for welding microwires. G. K. Uik, O. N. Gerderev. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 12 26-27 D '66.

Welding pulse generator with feedback. T. I. Komarov. *Trudy SIMSKH* no. 21-29-65 '61.

Welding pulse generator with synchronization from the feeding circuit. E. I. Komarov. *Trudy SIMSKH* no. 21 67-71 '61.

Work on a vibration build-up welding apparatus. I. A. Dorosh. *Tekhn. i sel'khoz.* 27 no. 1 70-71 '67.

## ELECTRIC WIRE, INSULATED

Heat resistant lacquer for the coating of wires. Z. A. Kochanova, M. F. Sorokin. *Lakokras. mater. i ikh prim.* no. 5 78-86 '66.

## ELECTRIC WIRING

Place for lead-in of electric cable in electrothermal well treatment. A. Ilyev, V. Kalinchenko. *Neftianik* 11 no. 8 31 Ag '66.

## ELECTRIC WIRING—WELDING

Thermist welding of light-gauge aluminum wiring. M. Aizenberg. *Prom. stroit. i inzh. ekon.* 8 no. 6 37 N-D '68.

## ELECTRICITY—PHYSIOLOGICAL EFFECT

Human body resistance to electric current. M. I. Barash, V. I. Shchutskii. *Izv. vuz. ucheb. zav., gor. zhur.* 8 no. 9 135-138 '65.

## ELECTRICITY—STUDY AND TEACHING

Scientific foundation of economizing the expenditure of electric power. L. P. Sokolova. *Vech. i sred. shkola* 9 no. 3, 41-46 My-Je '66.

## ELECTRICITY IN AGRICULTURE

Permissible voltages for livestock. A. Lukovnikov. *Tekhn. i sel'khoz.* 27 no. 1 31-35 '67.

Stability of the resistance of grounding devices in soils treated with small doses of electrolytes. A. V. Sergeev. *Dokl. ISKKh* no. 44 85-91 '59.

## ELECTRICITY IN AGRICULTURE—EXHIBITIONS

Recent developments in the mechanization and electrification of agriculture based on the materials of the World Exhibition of 1958 in Brussels. P. N. Listov. *Dokl. ISKKh* no. 14 17-45 '59.

## ELECTRICITY IN MINING

(see also subdivision under Siberia, Eastern)

Calculating guaranteed current during multiple electric blasting. N. G. Petrov. *Vzryv. delo* no. 60/17-218-221 '66.

Certain problems in electric power supply of coal mines with a large production capacity. S. B. Matin, L. N. Kutovoi, V. A. Mashkovskii. *Gor. elektromekh. i avtom.* no. 1 14-10 '65.

Controlled semiconductor rectifier with nonsymmetrical anode voltage. V. P. Bondarenko. *Gor. elektromekh. i avtom.* no. 1 21-27 '65.

Duration of shunting operations in haulage with electric locomotives in coal mines. I. D. Avetukhin. *Izv. vuz. ucheb. zav., gor. zhur.* 10 no. 10 105-110 '67.

An efficient performance diagram of electrified haulage in open pit mines with use of motor cars. S. I. Popov, I. U. N. Posokhov, V. N. Lomskii. *Izv. vuz. ucheb. zav. i gor. zhur.* 8 no. 10 113-117 '65.

Indicators of specific electric power consumption and results of their testing. G. N. Sementsov, N. B. Shtinkov, I. P. Petrov. *Izv. vuz. ucheb. zav. i gor. zhur.* 9 no. 9 121-125 '65.

Influence of commutation diagrams on results of blasting. I. V. Klevaev. *Vzryv. delo* no. 60/17-272-280 '66.

Joosen, Elmar. [The mine electrician.] *Knyandise elektrif. Tallin, Valgus*, 1966, 180 p. [In Estonian]

Remote control of a mercury converter substation of a mine. D. M. Dubinskii. *Ugol'* 37 no. 12-20-24 D '62.

Simplified wiring diagram for a call bell. A. S. Grebnev. *Ugol' Ukr.* 9 no. 12-34-35 D '62.

## ELECTRICITY IN MINING—SAFETY MEASURES

Calculating sparkless direct-current networks with semiconductor shunts. M. A. Rol'nik. *Mash. i obrab. dia mekh. i avtomatiz. trud. prot. v ugol'*, prom. no. 2-348-353 '65.

Increase electrical safety in open-pit mining. L. V. Gladilin, B. G. Men'shov, M. I. Barash. *Bezop. truda v prom.* 11 no. 1 10-11 Ja '67.

Nomograms for determining actual starting currents and actual starting moments of electric motors on coal cutter-loaders. P. L. Svetlichnyi. *Mash. i obrab. dia mekh. i avtomatiz. trud. prot. v ugol'*, prom. no. 2 75-80 '65.

Problem of calculating spark hazard safety in direct-current circuits with lumped inductance. M. A. Rol'nik. *Gor. elektromekh. i avtom.* no. 1 15-23 '65.

Protection of open-pit mine electric networks against contact to ground. I. E. Vosil'ev, V. I. Shchutskii. *Bezop. truda v prom.* 11 no. 1 40-41 Ja '67.

## ELECTRICITY IN PETROLEUM ENGINEERING

Anisimov, N. G., and A. N. Smirnov. [Experience in the construction of remote control of lines and installation of automatic control systems.] *Opyt avtomatizatsii i telemekhaniki i montazha i sdelat avtomatiki. Ufa, Bashkijskoe knizhnoe izd-vo*, 1965, 140 p.

## ELECTRICITY ON SHIPS

Zoleev, E. S., E. F. Luchchenko, and P. K. Timofeev. [New main electric navigation installation.] *Novye morskoe elektr. onavi. i slonoye pil'oty. Moskva, Transput*, 1966, 163 p. (Kursy usoverusheniya i nauch. playsostava MMF)

## ELECTRIFICATION

(see also subdivision under Ukraine)

Brill, R. A., and I. M. Khelster. [Economics of local power resources.] *Ekonomika sostavitsheleskikh kom. i likh. Moskva, Vysshaya shkola*, 1966, 447 p.

The Lenin theory of electrification as a component part of the theory of scientific communism. L. L. Kozlov. *Trudy TSI GU* 12:77-107 '65.

## ELECTROCARDIAC PHENOMENA

Absorption of organic substances at the membrane of the nitrate solution interface. M. M. Andreyev, A. I. Atupova, B. B. Damakina. *Elektr. khim. i tekhn.* 12 1180-1182 D '66.

## ELECTROCARDIOGRAPHY

Central mechanisms of the regulation of blood supply and respiration in monkeys. I. T. Dzhelev, N. I. F. Khatina, A. A. Pufacheva. *Fiziol. zhur.* 48 no. 3 30-37 Mr '63.

Changes in the electrocardiogram, in thoracic and in polar deflections, in patients with atherosclerosis. V. D. Khvorostianov. *Sbornik nauch. i tekhn. inform. i dokl. SOGMI* no. 10 69-72 '61.

Device for measuring rates of the electrocardiogram. V. D. Khvorostianov. *Sbornik nauch. i tekhn. inform. i dokl. SOGMI* no. 10 83-86 '61.

Diagnostic possibilities of the VKS-1 oscilloscope of Akulichev's system. V. D. Dzhelev, V. I. Kulshov. *Kardiologiya* 1 no. 1 165-177 Jan.-F '67.

Effect of "intepanin" on coronary flow volume, oxygen absorption by myocardium and T-wave deflection in the ECG. M. L. Kobakidze. *Sov. AN Gru. i dokl. i dokl.* 1 785-790 D '66.

Electrocardiogram in rickets. D. V. Alieyeva. *Gor. nauch. i tekhn. inform. i dokl. SOGMI* no. 10 19-22 '61.

Electrocardiographic changes in diabetes mellitus, preliminary report. D. A. Ezerova. *Sbornik nauch. i tekhn. inform. i dokl. SOGMI* no. 10 73-76 '61.

Importance of electrocardiography in the diagnosis of recurrent myocardial infarct. I. M. Khelster. *Kardiologiya* 3 no. 1-24-30 Jan.-F '67.

Possibility of reflex relations within intracardiac nervous system. G. N. Kopylov, M. G. Udalov. *Vest. M. A. im. Ser. 6 Biol. i med.* 21 no. 5 13-10 5-0 '66.

Stability of nodal rhythm of the second type. V. D. Khvorostianov. *Sbornik nauch. i tekhn. inform. i dokl. SOGMI* no. 10 87-93 '61.

## ELECTROCHEMICAL ANALYSIS

Electrolytic composition of gastric juice taken from an empty stomach. A. A. Finher. *Vopr. pit.* 25 no. 6 1 24 N-D '66.

## ELECTROCHEMISTRY

Contact of electrode and cation-exchange membranes in electrochemical oxidation of hydrogen. A. B. Khamid. *Elektr. khim. i tekhn.* 2 no. 12 1401-1402 D '66.

Electrochemical behavior of iron in sulfuric acid solutions. I. A. D. Zytner, A. L. Rotkinn. *Elektr. khim. i tekhn.* 2 no. 12 1371-1382 D '66.

Electrochemical separation of magnesium chloride from natural magnesium chloride brines. M. N. Makhov. *Trudy GIKPI* no. 17:72-77 '62.

Measurement of powdered catalyst potentials in diaphragm media. Part 2: Reduction of unsaturated compounds. G. V. Taneeva, A. B. Fasman, D. V. Sokol'nikh. *Elektr. khim. i tekhn.* 2 no. 12 1457-1463 D '66.

Mechanism of zinc passivation in strong zincate solutions of alkali. T. I. Popova, N. A. Simonova, B. B. Khatina. *Elektr. khim. i tekhn.* 2 no. 12 1476-1479 D '66.

New technology flow sheet for the production of manganates and potassium permanganate. M. N. Makhov and others. *Trudy GIKPI* no. 47:100-107 '62.

Some electrochemical properties of titanium in solution of fluoroboric acid. F. K. Andriushchenko, I. E. Vlasov. *Zhur. prikl. khim.* 34 no. 6 1268-1270 Je '61.

Special features of a simultaneous discharge of zinc and cobalt from sulfato solutions. G. N. Znamenskii, A. P. Mazankov, V. V. Stender. *Zhur. prikl. khim.* 34 no. 6 1305-1311 Je '61.

Study of the processes of electrochemical softening and stabilization of water. V. F. Negreco, Z. S. Tikhonov. *Trudy Inst. khim. AN Azerb. SSR* 20:170-166 '66.

Survey of investigations in the field of fused salt electrochemistry for 1966. A. G. Morachevskii. *Zhur. prikl. khim.* 34 no. 6 1308-1411 Je '61.

## ELECTROCHEMISTRY, INDUSTRIAL

Determining optimal conditions for electrochemical working of V.I. Lgovoy, G.V. Kargin. Vest. mashinost. 17 no. 1 50-52 Ja '67.

Electrochemical working of cast alloys V.M. Mordel'yan. Mashinost. obozr. no. 118 Ja '67.

## ELECTRODES

Changes of the difference in the behavior of nickel-oxide and silver-oxide electrodes in zinc solutions V.V. Rumakov. Zhur. prikl. khim. 31 no. 6 1317-1329 Je '64.

Effect of alternating current on anodic processes in aqueous solution of acetic acid G.A. Korchemnik, P.F. Fedorov. Elektr. khim. 2 no. 12 1395-1399 D '66.

Polarization of chlorine on platinum and iridium electrodes in fused electrolyte  $\text{AlCl}_3 - \text{NaCl} - \text{KCl}$  A.M. Skudim, V.Sh. Palankey, V.S. Bogotikh. Elektr. khim. 2 no. 12 1173-1186 D '66.

Optim of by stereoisomers on the I-I curves in the experiments with half-immersed electrodes. I.U.A. Chizmadzhev, I.U.I. Khukhrya. Elektr. khim. 2 no. 12 1164-1167 D '66.

Stepwise course of electrode processes on copper amalgam V.V. Lasev, I.P. Silbnyl, A.I. Molodov. Elektr. khim. 2 no. 12 1111-1117 D '66.

Study of the behavior of  $\text{UO}_2$  and its hydrates in solutions by means of hydroxide electrode of the third kind I.I. Gilyin, K.Z. Korytsev. Zhur. neorg. khim. 12 no. 1 101-102 Ja '67.

Use of rotating disk electrode with a ring for studying passivation mechanism of metals A.I. Oshin and others. Elektr. khim. 2 no. 12 1485-1487 D '66.

## ELECTRODES, CARBON

Studying petroleum coke obtained by retarded coking of asphalt A.M. Pavlovskii and others. Neft. i prikl. khim. no. 12 20-26 '66.

## ELECTRODES, INDIUM

Anodic behavior of indium in potassium hydroxide solutions. Part 2: Study of anodic passivation of indium in the presence of phase oxide film formation P.F. Pavlovskii, N.A. Andrianova. Elektr. khim. 2 no. 12 1118-1120 D '66.

## ELECTRODES, NICKEL

Potentiostatic study of the state of nickel electrode surface in alkaline solution V.R. Iodman, M.E. Khuga, V.P. Pashin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

## ELECTRODES, PLATINUM

Adsorption of anions on platinum at anodic potentials V.F. Kazaninov. Elektr. khim. 2 no. 12 1380-1391 D '66.

Dissolution of smooth platinum when polarized in acid solutions A.N. Chernodanov and others. Dokl. AN SSSR 171 no. 6 1301-1307 D '66.

Calculation of regeneration on rotating platinum disk anode I.S. Rodchukhina, L.V. Batanova. Vest. IGU 21 no. 22 150-152 '66.

## ELECTRODES, SILVER

Mechanism of the action of an asymmetric alternating current in charging a zinc-silver storage cell and its effect on the shape of the discharge curve V.V. Romanov. Zhur. prikl. khim. 31 no. 6 1312-1316 Je '61.

## ELECTRODES, ZINC

Effect of a copper impurity on the surface and structure of cathodic zinc in the electrolysis of sulfuric acid solutions G.N. Znamenskii, V.V. Kuznetsovskii, V.V. Stender. Zhur. prikl. khim. 31 no. 6 1298-1305 Ja '64.

Mechanism of the action of an asymmetric alternating current in charging a zinc-silver storage cell and its effect on the shape of the discharge curve V.V. Romanov. Zhur. prikl. khim. 31 no. 6 1312-1316 Je '61.

## ELECTRODIALYSIS

Separation of cerium (3) and yttrium ions by electrodialysis through zeolite membranes V.A. Khokhlov, V.V. Seleznev. Trudy TGU 105-60-62 '66.

## ELECTRODYNAMICS

Calculation of some cylindrical functions of a complex argument V.K. Vlasov. Vych. met. i priog. 5:134-145 '66.

Electrodynamic birefringence in liquids V.N. Tsvetkov, E.I. Vinogradov. Opt. i spekt. 21 no. 5 603-609 N '66.

Local approximation in the electrodynamic of London's superconductors A.V. Svidzinski, V.A. Silin. Vest. AN SSSR 172 no. 3 569-571 Ja '67.

Resonance solution of a system of equations for scattering amplitudes of charged  $\pi$ -mesons at small values of  $\gamma$ -parameter E.P. Vedenev, N.P. Zhidkov. Vych. met. i priog. 5:146-161 '66.

## ELECTROENCEPHALOGRAPHY

Age-related and individual differences in the functional state of the brain in young children according to electroencephalographic data N.S. Mitsojants. Zhur. vuz. nerv. deiat. 12 no. 10 1042-1048 N-D '62.

Electric activity of the cerebral cortex in lesions of the diencephalon and brainstem O.F. Makarchenko, M.L. Huchach, A.I. Ieiysh. Fiziol. zhur. [Ukr.] 12 no. 6 803-814 N-D '66.

Changes in the electric activity of the brain during attacks of a late traumatic psychosis and its approaching remission P.N. Markova. Trudy GIDUV no. 4 145-162 '62.

Clinical electroencephalographic correlations in different clinical forms of late sequelae of cerebral traumas. Kh. A. Izakov, E.M. Khamukayev. Azerb. med. zhur. 13 no. 12 21-27 D '66.

Conditioned reflexes to electric stimulus of the cerebral cortex in dogs following injection of thyroxine into organism M.I. Rozin. Vest. AN BSSR Ser. biol. nav. no. 1 74-78 '67.

Dynamics of conditioned reflex changes in the electroencephalogram due to multiple combinations of sound with rhythmic light stimuli G.N. Boldyreva, V.S. Ruzinov. Zhur. vuz. nerv. deiat. 12 no. 6 1011-1020 N-D '62.

Effect of cerebral cortex stimulation on innervation and motility of multicompartment sheep stomach P. Tulbaev, N. Tolmanov. Trudy Inst. fiziol. AN Kazakh SSR 10 177-181 '66.

Effect of thyroxine on motility of nervous processes and bioelectrical activity of brain U.A. Idamovich-Herasimov. Vest. AN BSSR Ser. biol. nav. no. 4 97-102 '66.

Efficient representation of stomach in cerebral cortex of a rabbit P. Tulbaev, T. Zvereva, P. Takhirev. Trudy Inst. fiziol. AN Kazakh SSR 10 185-189 '66.

Electric activity of the hippocampus during peripheral stimulations A.A. Ungadze. Fiziol. zhur. 52 no. 12 1120-1127 D '66.

Electroencephalographic examinations in myocardial infarct T.N. Labceva, I.K. Shkivatskaya, E.A. Chertovskikh. Sov. med. 29 no. 11 14-18 N '66.

Electrophysiology of the hippocampus P.M. Sierkov. Fiziol. zhur. [Ukr.] 12 no. 6 815-828 N-D '66.

Evaluation of the resolving ability of the human retina based on electroencephalic data K.A. Bykov, B.A. Lunikov. Fiziol. zhur. 52 no. 12 1441-1446 D '66.

Induced potentials in projection cerebral cortex areas as affected by simultaneous action of two different stimuli V.V. Artem'ev. Dokl. AN SSSR 171 no. 6 1447-1449 D '66.

Methods of implantation of special electrode complexes in several regions of cerebral cortex in dogs M.I. Rozin. Vest. AN BSSR Ser. biol. nav. no. 4 93-96 '66.

Modification of microelectrode holder for derivation of potentials from single cortical neurons N.N. Vasilevskii. Fiziol. zhur. 52 no. 11 1392-1394 N '66.

Participation of hormones of adrenal medullary substance in response reaction of the central nervous system in experimental galvanization of the cerebral cortex Report No. 1. A.A. Samokhina. Vopr. khim. i fiziol. i tekhn. 31 no. 6 530-542 '66.

Responses of neurons of the somatosensory cortex to direct electric stimulation V.M. Stozhuk, T.B. Gurov. Fiziol. zhur. 52 no. 11 1289-1296 N '66.

Role of posterior hypothalamus in regulation of noradrenaline in different parts of brain A.I. Mogilevskii, N.N. Leonova. Dokl. AN SSSR 172 no. 3 741-744 Ja '67.

Role of the reticular formation and anterior areas of the limbic cortex in the electroencephalographic picture of chemical changes in the internal environment N.E. Vastel'skaya. Fiziol. zhur. 40 no. 3 203-208 Mi '63.

Some characteristics of the dynamics of the bioelectric activity of the brain in patients with congenital heart defects R. Gombi, V.A. Mikhailovich. Sov. med. 29 no. 10 11-17 O '66.

Study of interceptive impulsation in puppies by electroencephalography method N.A. Moiseeva, G. Adam. Dokl. AN SSSR 167 no. 2 482-485 Mr '66.

Study of the electrical activity of neurons in the archaic cortex in lizards K.H. Gusein'nikova, V.I. Gusein'nikov. Fiziol. zhur. 39 no. 3 277-280 Mr '63.

Study of the functional state of the brain in rats by means of the electroencephalographic method N.G. Mikhailova. Trudy Inst. vuz. nerv. deiat. Ser. patofiziol. 10 116-124 '62.

Two mechanisms of functional disorders of the brain in animals irradiated during the period of embryonic development A.M. Ivanitskii. Trudy Inst. vuz. nerv. deiat. Ser. patofiziol. 10 102-115 '62.

Utilization of some function tests in electroencephalographic examination of patients with disorders of the large blood vessels of the head Report No. 1. V.A. Chukhrova, N.V. Vereshchagin, D.N. Dzhiladze. Zhur. nerv. i psikh. 62 no. 11 1625-1630 '62.

Electroforming—EQUIPMENT AND SUPPLIES A.I. Egorov, G.V. Kargin. Stan. i instr. 37 no. 12 34 D '66.

Electroforming—EQUIPMENT AND SUPPLIES A.I. Egorov, G.V. Kargin. Stan. i instr. 37 no. 12 34 D '66.

Electroforming—EQUIPMENT AND SUPPLIES A.I. Egorov, G.V. Kargin. Stan. i instr. 37 no. 12 34 D '66.

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Electroforming—EQUIPMENT AND SUPPLIES A.I. Egorov, G.V. Kargin. Stan. i instr. 37 no. 12 34 D '66.

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Electroforming—EQUIPMENT AND SUPPLIES A.I. Egorov, G.V. Kargin. Stan. i instr. 37 no. 12 34 D '66.

Electroforming—EQUIPMENT AND SUPPLIES A.I. Egorov, G.V. Kargin. Stan. i instr. 37 no. 12 34 D '66.

## ELECTROLUMINESCENCE

Adsorption model of anode polarization of oxide films on aluminum M.I. Eidel'berg. Opt. i spekt. 21 no. 5 656 N '66.

Cathode luminescence of silicon carbide single crystals irradiated by fast electrons V.V. Malarov, N.N. Petrov. Fiz. tverd. tela 8 no. 11 3393-3394 N '66.

Electroluminescence of ZnTe L.K. Vereshchagin, V.V. Guts. Izv. vuz. vkh. zav. fiz. 9 no. 6 143-144 '66.

Excitation of current carriers by p-n-junction field and mechanism of electroluminescence of silicon carbide E.L. Vlohin, G.P. Khokhlov. Fiz. tverd. tela 8 no. 11 3395-3397 N '66.

## ELECTROLYSIS

Clarification of muddy water and flotation tailings with the help of a direct electric current L.V. Korchagin and others. Ugoz. Ukr. 7 no. 124-25 Mr '63.

Effect of surface-active substances on the rate of growth of silver single crystals in the process of electrolysis M.S. Zubov, A.T. Vagarian. Elektr. khim. 2 no. 12 1426-1430 D '66.

New design of a single-solution electrolytic bath for obtaining potassium permanganate M.N. Mochulkin and others. Trudy GIKPI no. 47 93-97 '62.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

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Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

Preparation of zinc powder by electrolysis of zinc hydroxide alkaline pulp V.A. Shormanov, T.I. Kumin. Izv. vuz. vkh. zav. khim. i khim. tekhn. 9 no. 5 799-801 '66.

## ELECTROLYTIC POLISHING

Electrochemical polishing of contact discs of ind. parts. A. D. Korneev and others. Tekhn. prom., no. 6 70-71, N-D '66.

ELECTROLYTIC REDUCTION see Reduction, Electrolytic

## ELECTROMAGNETIC FIELDS

Diffraction of a plane electromagnetic field on an ideally conductive half-plane in a uniform half-space. V. I. Dmitriev. Izv. Vuzov, Vych. met. i prog., 5:187-196 '66.

Diffraction of an arbitrary electromagnetic field on cylindrical bodies. V. I. Dmitriev. Vych. met. i prog., 5:233-259 '66.

## ELECTROMAGNETIC PROSPECTING

(see also subdivision under Siberia, Eastern)

High-frequency equipment in mining. F. I. Vyski. Gos. elektromekhn. i avtom. no. 1:49-51 '65.

Practice of using the induction method in containing humerite pipes in a plant. G. D. Bilobukhin, P. N. Ionenko. Razved. i otkryt. 26 no. 8:53-51 Ag '66.

Use of an alternating current charge method in a gold deposit. B. V. Rogachev and others. Razved. i otkryt. 26 no. 3:38-42 M '66.

Van'tan, L. L. [Establishment of the electromagnetic field and its use for the solution of the problems of structural geology]. Stanovlenie elektromagnitnogo polia i ego ispol'zovanie dlia reshenia zadach strukturnoi geologii. Novosibirsk, Nauka, 1966, 101 p.

## ELECTROMAGNETIC PUMPS

Turbulent flow of a conductive liquid in an annular channel in presence of a circularly rotating magnetic field. A. V. Ivanov-Smolenski, G. S. Tamaulian. Izv. AN SSSR, Energ. i transp. no. 6:71-79 N-D '66.

## ELECTROMAGNETIC WAVES

Bending of wave guides. A. G. Sveshnikov, B. I. Volkov, S. I. Selerzh-Zen'kovich. Vych. met. i prog. 5:210-226 '66.

Buildup of electromagnetic oscillations in antiferromagnetic semiconductors in strong electric fields. G. A. Beglashvili. Fiz. tver. tela 8 no. 11:3288-3290 N '66.

Calculation of irregular wave guides with gyrotropic filling. V. P. Modenov. Vych. met. i prog. 5:197-209 '66.

Calculation of some cylindrical functions of a complex argument. V. K. Vlasov. Vych. met. i prog. 5:134-145 '66.

Electroproduction of  $\pi$ -mesons and axial current. A. I. Vainshteyn, V. V. Sokolov, I. B. Khurimovich, P. V. Red. Zhur. eksp. i teoret. fiz. 4 no. 5:193-196 '66.

Propagation of electromagnetic oscillations in an irregular wave guide with complex form. A. S. Il'inski. Vych. met. i prog. 5:227-252 '66.

## ELECTROMAGNETIC WAVES—DIFFRACTION

Electromagnetic wave diffraction by perfectly conducting half-plane located in laminar medium. L. V. Zakharov, V. I. Dmitriev. Izv. AN SSSR Fiz. zem. i inzh. 6:83-89 '66.

Integral equations in diffraction problems. V. V. Kravtsov. Vych. met. i prog. 5:260-293 '66.

Wave diffraction on the surface impedance discontinuity in closed-end waveguides. M. S. Bobrovnikov, V. N. Ponomareva, V. V. Fisanov. Izv. vys. ucheb. zav., fiz. 9 no. 6:62-69 '66.

## ELECTROMAGNETIC WAVES—SCATTERING

Iterative in multiple scattering. The transfer equation. A. G. Borovoi. Izv. vys. ucheb. zav., fiz. 9 no. 6:50-54 '66.

## ELECTROMAGNETISM

Electromagnetic decay and the electroproduction of the  $3p^2$ -resonance. V. B. Bettinov, Dao Wong Dyk, Nguyen Van Hieu. Dokl. AN SSSR 167 no. 2:312-315 M '66.

Electromagnetic processes during smooth regulating of voltage of traction motors. N. I. Radionov. Vest. TSNI MPS 25 no. 7:40-44 '66.

Possibility for determining electromagnetic forces in a potential field by modelling. O. M. Miliakh, L. Z. Piven'. Dop. AN URSS no. 10:1307-1308 '66.

## ELECTROMAGNETS

Heating of electromagnets during nonsteady operating modes. M. E. Smel'nikova. Izv. vys. ucheb. zav., elektromekhn. 9 no. 12:1307-1313 '66.

## ELECTROMECHANICAL ANALOGIES

Electrical model studies of combustion (Czechoslovak Socialist Republic). P. Samosh. Neft khoz. 44 no. 11:63-65 N '66.

## ELECTROMETALLURGY—EQUIPMENT AND SUPPLIES

Large-scale laboratory testing of Lysyansky antrachite in electrode materials for lining the bottoms of electrolytic cells in aluminum electrolysis. N. S. Ostashevskaya and others. Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 16:129-144 '66.

Studying the properties of pitch anthracite coke as a possible raw material for anode masses for electrolytic cells in aluminum electrolysis. N. S. Ostashevskaya, Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 16:117-128 '66.

## ELECTROMOTIVE FORCE

Electromotive forces of thermocouples with fused silver chloride. B. I. Markov, I. B. Kuznetsov. Ukr. khim. zhurn. 32 no. 11:180-181 '66.

Variant control method of thermocouple electromotive force transmission from rotary furnaces for magnetizing roasting of ores to secondary instrument. V. M. Zayonchik, N. V. Shubik. Gos. elektromekhn. i avtom. no. 1:120-125 '65.

Variations in the contact potential difference of iron on the surface as a function of temperature of annealing in oxygen. I. A. Sezonov, V. I. Lando. Khim. i tekhn. 7 no. 6:1091-1095 N-D '66.

## ELECTROMYOGRAPHY

Changes in myoelectric reflexes in X-rayed rabbits. Z. M. Gvozdkova. Radiobiologiya 2 no. 1:573-579 '62.

Changes in the myoelectric apparatus in patients with temporary disorders of cerebral blood circulation. I. M. Zikharova. Trudy Turkmensk. inzh. i med. in-ta, turkmensk. metod. uch. 8:73-83 '65.

Characteristics of the electromechanical coupling of monotonic and tonic skeletal muscles in mammals. L. K. Zhukov. Fiziol. zhurn. 52 no. 12:1447-1451 D '66.

D. S. Vorontsov's phenomenon on an example of smooth muscles. M. F. Shiba. Fiziol. zhurn. [Ukr.] 12 no. 6:718-756 N-D '66.

Effect of adrenaline and noradrenaline on the electric properties of smooth muscles. M. I. Klevanin. Fiziol. zhurn. [Ukr.] 12 no. 6:763-768 N-D '66.

Effect of depolarizing and hyperpolarizing currents on changes in action potential of normal and "denervated" frog muscle fibers. G. A. Vaitman, T. A. Sarenova. Biofizika 11 no. 5:825-831 '66.

Intracellular electric potentials of the smooth muscles of the small intestine. P. H. Bobach, H. M. Chakhomko. Fiziol. zhurn. [Ukr.] 12 no. 6:757-767 N-D '66.

Static muscle activity: electrophysiological study. A. S. Stepanov, M. L. Rukhlov. Fiziol. zhurn. 49 no. 3:306-313 M '63.

## ELECTRON BEAMS

Increasing the durability of technological electron guns. A. A. Novikov. Elektr. obr. mat. no. 1:70-78 '66.

## ELECTRON DIFFRACTION EXAMINATION

Electron diffraction examination of niobium and tantalum pentaoxides. V. P. Sphidnov, G. V. Romanov. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6:109-110 N-D '66.

Structure of oxide films produced by bombarding a silicon surface with oxygen ions. P. V. Pavlov, I. V. Slutova. Dokl. AN SSSR 172 no. 3:588-590 Ja '67.

## ELECTRON GAS

Size effect in electron conductivity of semiconductors in electron gas heating. Z. S. Grubnikov, V. I. Mel'nikov, T. S. Sorokina. Fiz. tver. tela 8 no. 11:3374-3382 N '66.

## ELECTRON MICROSCOPY

Electron microscope analysis of the kinetics of formation and growth of globules in heterophase polymerization of acrylonitrile. E. S. Roshin, G. B. Karpukha, N. R. Lianovskaya. Izv. vys. ucheb. zav., khim. i tekhn. tekhn. 9 no. 5:819-822 '66.

Electron microscope study of blood platelets in normal man and in patients with Werthoff's disease. A. A. Totakina, L. S. Tsepka. Arkh. anat. i gist. i embri. 51 no. 10:40-10 O '66.

Electron microscope study of *Lambia muris* in connection with the characteristics of the ecology of this parasite. M. M. Solov'ev, I. U. S. Chumakov. Med. parazit. i parazit. bol. 35 no. 6:667-672 N-D '66.

Electron microscope study of membranes and some specialized cell surface structures of allantoic epithelium of chick embryo. L. V. Danilova, S. M. Selt'neva. Dokl. AN SSSR 171 no. 4:891-891 D '66.

Electron-microscopic study of morphology of hard tissue minerals. V. I. Remizov. Min. shor. 20 no. 12-26 '66.

New film for electron microscopy. K. K. Sergeev, I. U. M. Ivanov. Arkh. anat. i gist. i embri. 51 no. 10:126 O '66.

Probabilities of electron-microscopic study of sedimentary rocks. L. G. Rckshinskaya. Vest. Mosk. un. Ser. 4: Geol. 21 no. 6:77-86 N-D '66.

Problem of ordering of amorphous polymers. V. A. Karagin and others. Dokl. AN SSSR 167 no. 2:384-385 M '66.

Study of microstructural and microtextural characteristics of clay and loess rocks using electron microscope. G. G. Il'inskaya. Vest. Mosk. un. Ser. 4: Geol. 21 no. 6:87-92 N-D '66.

Study of the phase composition of vanadium catalysts by X-ray and electron microscope methods. L. N. Kurina and others. Trudy TGU 165:103-110 '65.

Wing muscles in insects: electron microscopic and roentgenographic study. L. L. Razumova and others. Biofizika 11 no. 5:818-821 '66.

## ELECTRON OPTICS

Experimental study of the operation of an electron optical mirror system. O. M. Aramov, N. B. Gerasimova, S. A. Komolov. Opt.-mekh. prom. 33 no. 12:17-20 D '66.

## ELECTRON PAIRS

Josephson's effect during twinning with  $T_c$ . R. V. Ivanchenko, A. V. Sydzimskii. Izv. inst. fiz. i matemat. 22 no. 4:619-621 O '66.

## ELECTRON PARAMAGNETIC RESONANCE

Analysis of electron paramagnetic resonance spectra of fluorocarbon radicals in irradiated tetrafluoroethylene. V. I. Mironov and others. Teoret. i ekspr. fiz. 1 no. 9:100-111 '66.

Changes in electron paramagnetic resonance spectra of polychelate compounds of copper in a zeolite. V. I. Mironov, G. P. Gerasimov, V. B. Amfiteatrov, I. K. Kler. Khim. i tekhn. 7 no. 6:1078-1080 D '66.

Determining parameters of electron paramagnetic resonance spectra of free radicals with the help of a standard. I. G. Khaitonenko. Biofizika 11 no. 5:808-808 '66.

Effect of uniaxial compression on paramagnetic resonance of  $Nd^{3+}$  in CaWO<sub>4</sub>. M. M. Zaitov, I. A. Gerasimov, V. I. Mironov, Zhur. eksp. i teoret. fiz. 1 no. 9:100-111 '66.

Electron paramagnetic method for studying oligopolymers in animal and plant tissues. V. I. Mironov, K. I. Icherichin, G. B. V. M. Chumakov, I. P. Icherichin, A. I. Kuchmarov. Biofizika 11 no. 5:808-808 '66.

Kinetics of acrylic oligomers at advanced stages of polymerization. B. R. Smirnov, G. V. Kozlov, I. K. Kler. Khim. i tekhn. 7 no. 6:1080-1081 N-D '66.

Electron paramagnetic resonance spectra of electron semiconductors. A. A. Sidorov, V. I. Amfiteatrov, I. K. Kler. Khim. i tekhn. 7 no. 6:1060-1064 N-D '66.

Electron paramagnetic resonance spectra of 6-dialkyl-1-substituted hexafluorocyclopentadienes. V. B. Pecher, V. A. Kishchuk. Teoret. i ekspr. fiz. 1 no. 9:100-111 '66.

Electron paramagnetic resonance spectra of oxygen adorption catalysts. V. M. Mironov, I. K. Kler. Khim. i tekhn. 7 no. 6:1065 N-D '66.

Electron paramagnetic resonance spectra of 1,2-dichloro-1,2-difluoroethane polymerized in the presence of A. S. Baberkin, V. G. Pecher, V. V. Volkov, I. K. Kler. Khim. i tekhn. 7 no. 6:1081-1085 N-D '66.

Formation of free radical chains following irradiation of systems containing chloroethyl groups. I. K. Kler and others. Biofizika 11 no. 5:808-808 '66.

Intramolecular hydrogen bonding and superfluorescence in proton of hydroxyl group. Part 1: Dihydroxybenzyl semiquinones. A. E. Lalekhi, L. S. Romanov, I. K. Kler. Teoret. i ekspr. fiz. 2 no. 5:100-111 O '66.

Intramolecular hydrogen bonding and superfluorescence in proton of hydroxyl group. Part 2: Polymers of the quinone. A. E. Lalekhi, L. S. Romanov, I. K. Kler. Teoret. i ekspr. fiz. 2 no. 5:100-111 O '66.

Photolytic decomposition of dicyl peroxide by means of electron paramagnetic resonance. I. K. Kler and others. Dokl. AN SSSR 171 no. 1:100-100 D '66.

Pulse photolysis of solid organic substances by means of electron paramagnetic resonance. I. K. Kler, L. I. Medvedev. Dokl. AN SSSR 171 no. 1:100-100 Ja '67.

Resonance absorption of  $V^{3+}$  ion in compounds of length  $\lambda = 1,21$  mm. E. A. Vinogradov and others. Vred. Zhur. eksp. i teoret. fiz. 1 no. 9:100-111 '66.

Spin-lattice relaxation of exchange-interacting centers. M. D. Glinchuk, V. G. Gerasimov, I. K. Kler. Fiz. tver. tela 8 no. 11:3354-3362 N '66.

## ELECTRON PARAMAGNETIC RESONANCE

Study of interimpurity recombination between  $V^{3+}$  and  $Co^{2+}$  in silicon. V. S. Vavilov and others. Fiz. tver. tela 8 no. 11:3349-3350 N '66.

## ELECTRON-TUBE VOLTMETER

Electron tube voltmeter. B. Tatarko. Radio i svyaz. 57 N '66.

## ELECTRON TUBES

System of designations of foreign electron tubes. E. Zeldin. Radio i svyaz. 57 N '66.

## ELECTRON TUBES—HANDBOOKS, MANUALS, ETC.

Gurlov, D. S. [Handbook on electronic devices] (Sbornik po elektronnym priboram). Izd. 4, pererab. dop. Kiev, Tekhnika, 1966, 730 p.

## ELECTRONIC ANALOG COMPUTERS

Digital analogs. B. L. Ermilov. Shor. sh. i dokl. 4:202-213 '66.

## ELECTRONIC APPARATUS AND APPLIANCES

Increasing the durability of technological electron devices. A. A. Novikov. Elektr. obr. mat. no. 1:70-78 '66.

## ELECTRONIC APPARATUS AND APPLIANCES—ABSTRACTS

[Electronics and its applications] Ref. zhurn. i dokl. i prim. nos. 2-3 F-Mr '67.

## ELECTRONIC CIRCUITS

"Digital displacement" converter with raster grating. V.I. Shalagin, I.U. A. Shalagin. Vych. tekhn. [MVITU] no. 5, 1969-1970, 466.

Kharchenko, R.R., ed. [Electrical measurement converters] Elektricheskiye izmeritel'nyye pribory i ustroystva. [By] V.I.U. Konechnykh. Moscow, Energiya, 1967. 107 p.

Methodology and results of network calculation based on principle of distribution of current in wide temperature range. V.G. Kolesov, N.I. Radonovskiy. Tрудy GGO no. 199-197-195, 1966.

Transfer characteristics of distributed uniform R-C-NR structures. R.S. Kulmetov, I.B. Mekhtsev. Radio-tekhnika, 22 no. 1-5-67, Ja. 1967.

## ELECTRONIC COMPUTER PROGRAMMING see Programming (Electronic computers)

## ELECTRONIC COMPUTERS

Air conditioning in computers. V.I.A. Mekler, S.L. Zyl. Radiotekhnika, 13 no. 1-3-66, D. 1966.

Identification of operational diagrams of transducers on electronic computer "Promin". P.P. Dvornikov. Vych. tekhn. 43 no. 1-2-4, 1967.

Computers and their possibilities. M. Zilakhodzhayev, A. Phumkhumdov. Nauka, Uzb., 3 no. 2, 51-64, 1966.

Distribution of the frequencies of appearance of random binary combinations in treatment with shift. A.M. Morozov, D.M. Sudakov. Tрудy Vych. tsentra AN Gruz. SSR, 7, 2, 10-18, 1966.

Estimation and remote control in the communal economy. I. Maklanovskiy. Inform. bul. VDMNI no. 12, 1-19, D. 1966.

Efficiency of the realization of the orthogonalization principle of multidimensional vectors using a specialized computer. A. Sh. Chudumel. Tрудy Vych. tsentra AN Gruz. SSR, 7, 2, 27-31, 1966.

Method for raising the order of code rings. A.N. Radchenko. Sbornik po vop. elektron. tekhn. no. 4, 213-221, 1966.

Principal relationship of the correction of a random number to an address with a binary counter. A.M. Morozov. Tрудy Vych. tsentra AN Gruz. SSR, 7, 2, 32-39, 1966.

Use of electronic integrators for studying the dynamics of the speed control of high speed units. P.I. Petrusheva, V.V. Semenov, P.N. Boman. Sbornik po vop. elektron. tekhn. no. 1, 235-248, 1966.

## ELECTRONIC COMPUTERS—ABSTRACTS

[Automatic control, remote control, and computer technology] Ref. zhur. Avtom. i telemekh. no. 3, Mr. 1967. Avtorizatsiya ukrayn. za 1966 g.

[Journal of abstracts, Cybernetics] Ref. zhur. Kib., no. 2, F. 1967.

## ELECTRONIC COMPUTERS—CIRCUITS

Algorithm for the synthesis of a threshold element. V.V. Ilyin. Radiotekhnika, 13 no. 5, 57-63, 5-6, 1966.

Approximation analysis of a parameter using dynamic conditions. V.I. Popov, V.M. Ushakov. Elektrich. sist. no. 1, 77-81, Ja. 1967.

Construction of time-pulse converters of voltage to code. V.K. Zolotarev. Vych. tekhn. [MVITU] no. 5, 75-87, 1966.

Design of a magnetic shift register with split windings. L.A. Chinenkov, I.A. Demin, A.P. Cherenkov. Radiotekhnika, 22 no. 100-104, Ja. 1967.

Optical and switching circuit using switching diodes and resistors with rectangular hysteretic loop. V.P. Melnikin, I.V. Melnikina. Tрудy GGO no. 199-193-199, 1966.

Method for network control in the performance of operations. Z. Sh. Kipchidze. Tрудy Vych. tsentra AN Gruz. SSR, 7, 2, 53-58, 1966.

Relaxation calculations of electrical circuits of electronic computers. P.P. Medvedev. Vych. tekhn. [MVITU] no. 5, 170-176, 1966.

Two-alphabet logical circuits of alternating current. V.A. Titov. Tрудy NIIMI no. 15, 138-140, 1966.

## ELECTRONIC COMPUTERS—MEMORY SYSTEMS

Lipman, R.A. [Magnetic storage counters] Magnitnye nakopitel'nye schetchiki. Moscow, Energiya, 1967. 142 p. [Biblioteka po avtomatike, no. 220]

## ELECTRONIC COMPUTERS—PROGRAMMING

Realization of symbolic operations on an electronic computer. M.I. Kabanov. Vych. met. i priog. 5, 331-343, 1966.

## ELECTRONIC COMPUTERS—RELIABILITY

Needs for equipment reliability requirements in designing computers with optimal reliability. L.V. Surkov. Vych. tekhn. [MVITU] no. 5, 142-143, 1966.

Method for analyzing the reliability of computer stages using a functional network in the design stage. O.I. Lisov. Vych. tekhn. [MVITU] no. 5, 154-163, 1966.

## ELECTRONIC CONTROL

Akhmetzhanov, A.A. [Angular position transmitting systems with increased accuracy] Sistemy peredachi ugla povyshennoi tochnosti. Moscow, Energiya, 1966. 271 p.

Electronic relay regulator. E. Dvornik. Avt. transp. 45 no. 1, 46-47, Ja. 1967.

## ELECTRONIC DATA PROCESSING

Computers in economics and planning. I.U. Oleinik. Radio no. 11, 6-7, N. 1966.

Economic-mathematical model of optimum concentration and spacing of distributing tank farms. G.V. Shalagin. Neftekh. 44 no. 10, 58-61, O. 1966.

## ELECTRONIC DATA PROCESSING—AGRICULTURE see subdivision under Leningrad Province, Tambov Province

## ELECTRONIC DATA PROCESSING—AIR FLOW

Calculating air flow change in multistory buildings with the use of electronic computers. K.S. Shteyn. Vych. tekhn. no. 11, 25-31, N. 1966.

## ELECTRONIC DATA PROCESSING—BESSEMER PROCESS

Modeling the oxygen-blow converter process by computer. D.I. Dubinskii, L.A. Alekseyev. Izv. vyz. ucheb. zav., Chern. met., 10 no. 1, 29-33, 1967.

## ELECTRONIC DATA PROCESSING—COAL MINES AND MINING

Determining the optimum cross section of development workings. A.S. Sagunov, I.U. A. Veksel, A.N. Lebedev. Ugol, 12 no. 118-121, Ja. 1967.

Sequential method for solving problems in long-term planning of the development of coal mining operations. V.V. Shvaba, N.I. Ivanov, A.M. Arabadzhev. Kibernetika, 5, 99-102, 5-6, 1966.

## ELECTRONIC DATA PROCESSING—COAL MINING MACHINERY

Studying operating conditions of mining machinery actuating mechanisms with analogue computers. V.G. Lukienko, I.G. Shmalukin. Izv. vyz. ucheb. zav., gor. zhur. 10 no. 1, 85-87, 1967.

## ELECTRONIC DATA PROCESSING—COMPRESSORS

Calculating operating regimes of gas pipeline compressor stations using electronic computers. S.N. Smirnov, M.G. Sukharov, I.V. Luntsev. Gaz. prom. 11 no. 12, 17-19, 1966.

## ELECTRONIC DATA PROCESSING—CONCRETE

Increasing the strength of concrete with programming of the heat treatment process. A.I. Shkolnikov. Sbornik, inzh. trud. PNIUI no. 10, 221-234, 1966.

## ELECTRONIC DATA PROCESSING—CONGRESSES see subdivision under Communist councils

## ELECTRONIC DATA PROCESSING—CONSTRUCTION INDUSTRY

Broner, L.D. [Using electronic computers in design and construction planning] Primenenie elektronnykh vychislitel'nykh mashin v arkhitekturno-stroitel'nom proektirovanii. Moscow, Stroizdat, 1966. 170 p.

## ELECTRONIC DATA PROCESSING—DEFORMATIONS (MECHANICS)

Studying deformability of double-bearing columns using electronic digital computers. A. Dykhovichnyy, R. Petrusheva. Prom. stroi i inzh. sci., 8 no. 6, 23-25, N-D. 1966.

## ELECTRONIC DATA PROCESSING—DIESEL LOCOMOTIVES—HYDRAULIC DRIVING

Investigating automatic control system of stepped hydraulic transmission of diesel locomotive using electronic modeling installation. I.P. Pushkarev. Sbornik, inzh. trud. LIKZIT no. 232, 14-50, 1964.

## ELECTRONIC DATA PROCESSING—DYNAMICS

Methods of testing on electron models the dynamic processes in static coal mine piles. I.U. Fedotov. Izv. vyz. ucheb. zav., gor. zhur. 8 no. 1, 139-146, 1965.

## ELECTRONIC DATA PROCESSING—ELECTRIC NETWORKS

Calculation of currents and voltages arising during breaks and short-circuits at random points in networks. N.G. Turkin. Soob. AN Gruz. SSR, 44 no. 2, 417-424, N. 1966.

## ELECTRONIC DATA PROCESSING—ELECTRIC POWER DISTRIBUTION

Kornog, V.V., and A. Sh. Kogan. [Methods and program for calculations using the "Minsk-2" digital computer for the selection of the cross section of power transmission lines taking into account the dynamics of the load and the local conditions] Metodika i programma rascheta na EVM "Minsk-2" vybora sечeniy provodov linii elektropredachi s uchetom dinamiki nagruzki i mestnykh uslovii. Minsk, Vychislitel'nyi tsentr, 1964. 28 p. [MICROFILM]

Method for analyzing operational nonsymmetrical modes of electrical systems with approximate calculation of incomplete phase elements. L.M. Vainshtein. Izv. AN SSSR, Energ. i transp. no. 8, 6-11, N-D. 1966.

## ELECTRONIC DATA PROCESSING—ELECTROMAGNETS

Verifying calculation of electromagnets with saturated magnetic circuit using a digital computer. S.L. Dun and others. Izv. vyz. ucheb. zav., elektromekh. 9 no. 12, 1389-1393, 1966.

## ELECTRONIC DATA PROCESSING—ELECTRONIC APPARATUS AND APPLIANCES

Accelerating statistical tests in calculating allowances for output parameters of electronic systems by means of an electronic digital computer. G.A. Krasheninnikov. Stand. i kach., 30 no. 1, 66-70, N. 1966.

## ELECTRONIC DATA PROCESSING—ENGINEERING GEOLOGY

Ishinskii, V.A. [Problems of the geomorphology of deposits for modeling on digital computers, for students specializing in the "Physics of rocks"] Voprosy geomorfologii i fiziko-tekhnicheskikh i geologicheskikh pokazatelei mestoizmeneniya dlya modelirovaniya na TSM, dlya studentov spetsial'nosti "Fizika gorn'nykh porod." Moscow, Mosk. in-t radioelektroniki i geoinzh. mekhaniki, 1966. 127 p.

## ELECTRONIC DATA PROCESSING—EXCAVATING MACHINERY

Testing on electronic models the dynamics of electro-mechanical systems of dragline hoisting during their joint operation with P.L. Omeron and others. Izv. vyz. ucheb. zav., gor. zhur. 8 no. 9, 150-155, 1965.

## ELECTRONIC DATA PROCESSING—EXHIBITIONS

"Interorgtekh-66." Tsvet. i elektr. no. 6, 54-55, N-D. 1966.

## ELECTRONIC DATA PROCESSING—FURNACES, HEATING

Effect of thermal properties of steel on technology of heating. N.I. Taits, V.M. Yatsurov. Izv. vyz. ucheb. zav., Chern. met. 10 no. 1, 181-184, 1967.

## ELECTRONIC DATA PROCESSING—GEOLOGY

Using electronic computers in studying structure and evolution of the earth. V.I. Kheis-Borok. Izv. AN SSSR, Ser. geol., no. 1, 3-10, Ja. 1967.

## ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT

(see also subdivision under Kazakhstan)

Istomlin, L.I., and D.I. Ignat'ev. [Use of mathematical methods and electronic computers in management] Primenenie matematicheskikh metodov i EVM v upravlenii. Moscow, Ekonomika, 1966. 71 p. [Biblioteka khoziaistvennogo rukovodstva]

Submitting for printing the results of the processing of economic information by means of electronic computers. G.D. Brodskii, G.N. Anisimov. Radiotekhn. i elektron. Gos. nauch. issled. inst. nauch. i tekhn. inform. 19 no. 12, 51-53, D. 1966.

## ELECTRONIC DATA PROCESSING—LOCOMOTIVES

Method of operational planning of locomotive operation. G.T. Igubov. Vost. TSNII MPS no. 7, 56-60, 1966.

## ELECTRONIC DATA PROCESSING—MACHINE-SHOP PRACTICE

Efficiency of automatic planning of the adjustment of machine-tool units by means of electronic computers. G.K. Goranskii, V.A. Tsiyanov, P.L. Rozental'. Prom. Del., 10 no. 1, 58-60, Ja. 1967.

## ELECTRONIC DATA PROCESSING—MACHINERY INDUSTRY

Establishing production programs in a machinery plant with small lot and piece production. R.S. Sedegov, L.I. Kerp. Radiotekhn. i elektron. Gos. nauch. i issled. inst. nauch. i tekhn. inform. 19 no. 12, 78-79, N. 1966.

## ELECTRONIC DATA PROCESSING—MAGNETIC MEASUREMENTS

Modeling by MN-7 electron computer the work of ferromagnetic probe instruments for measuring of magnetic fields. E.I. Popov, V.I. Portnov. Defektoskopia, 2 no. 5, 69-77, 1966.

## ELECTRONIC DATA PROCESSING—MATHEMATICS

Degree of increment of exact signaling pulses for Turing machine computations. R.V. Frolov. Alg. i log., 5 no. 5, 85-94, 1966.

On some automata capable of computing the basis for recursively enumerable sets. V.A. Nepomnashchii. Alg. i log., 5 no. 5, 69-83, 1966.

## ELECTRONIC DATA PROCESSING—METALLURGICAL PLANTS

Seminar "Algoritimizatsiya proizvodstvennykh protsessov." [Reports of the Seminar "Algorithmization of Production Processes"] Seminar "Algoritimizatsiya proizvodstvennykh protsessov" [doklady]. Kiev, Naukova dumka, No. 7, 1965. 39 p.

## ELECTRONIC DATA PROCESSING—MINE HOISTING

Influence of lower shock absorbers upon additional loads in components of multirope hoisting equipment. V.M. Chermalykh. Izv. vyz. ucheb. zav., gor. zhur. 10 no. 1, 118-124, 1967.

## ELECTRONIC DATA PROCESSING—MINE VENTILATION

Topological analysis of coal mine ventilation networks. A.A. Volkov, A.G. Evdokimov, R.T. Volkopova. Izv. vyz. ucheb. zav., gor. zhur. 10 no. 1, 58-75, 1967.

## ELECTRONIC DATA PROCESSING—OIL HYDRAULIC MACHINERY

Methods of calculating double-acting hydraulic impact machines. L.G. Sholokhov. Izv. vyz. ucheb. zav., gor. zhur. 10 no. 1, 93-100, 1967.



## ELECTRONIC DATA PROCESSING—OIL WELL DRILLING

Using electronic computers for controlling drilling process S S Gurevich, Neft Khoz, 41 no 12 66-67 D '66

## ELECTRONIC DATA PROCESSING—OIL WELL LOGGING

Stratigraphic division and correlation of logs using electronic digital computers B L Gurevich and others Neft i gaz prom no 5,9-11 5-O '66

## ELECTRONIC DATA PROCESSING—ONCOLOGY

Attempt to use electronic digital computers for differential diagnosis of laryngeal cancer D S Gorunova P F Kumin C A Likhenshtein Sov med 39 no 10 48-50 O '66

## ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION

see subdivision under Goldin Oil Field

## ELECTRONIC DATA PROCESSING—PIPELINES

Calculating operating regimes of closed-loop systems of gas pipelines using electronic computers, R A Belman, S A Babitskiy, D F Gashulin, Gaz prom II no 12 14-16 '66

Central control of service of pipeline performance using electronic digital computers and oscillograph, Neft i gaz, pri om. no 5,4-55 5-O '65

Designing of pipelines using computers, E M Arsenov, Energiya i tekhnika 12 no 11 31-36 N '66

## ELECTRONIC DATA PROCESSING—PRODUCTION ENGINEERING

Automatic control of production G D Brodskiy, G N Andrianov Buil tekhn-ekon Inform Gos, nauch-issl inst nauch i tekhn inform 19 no 11 75-77 N '66

## ELECTRONIC DATA PROCESSING—RAILROADS

(see also subdivision under France)

Seminar "Algoritmy i tsifrovyye vychislitel'nyye protsessory" [Reports of the Seminar "Algorithms of Production Processes"] Seminar "Algoritmy i tsifrovyye vychislitel'nyye protsessory" [doklady] Kiev, Naukova dumka, No. 7, 1965 39 p.

## ELECTRONIC DATA PROCESSING—RAILROADS—CURVES AND TURNOUTS

Calculating curves using electronic digital computers, V N Logunov, Put i put, khoz, II no 10-12 '67

## ELECTRONIC DATA PROCESSING—RAILROADS—STATIONS

Using electronic digital computers in designing railroad stations V M Moshchukenko Transp stroi 15 no. 3 36-39 Mir '66

## ELECTRONIC DATA PROCESSING—RAILROADS—TRACK

High-speed algorithm for building short distance networks, S V Duvain Vest TSNI MPS 25 no. 8:60-62 '66

## ELECTRONIC DATA PROCESSING—RAILROADS—TRAFFIC

Simulating train traffic on computers B A Pavlov Vest TSNI MPS 25 no 8:56-60 '66

## ELECTRONIC DATA PROCESSING—ROAD CONSTRUCTION

Khavkin, K.A., and L.N. Dashevskiy, [Designing longitudinal section of automobile roads, methods and automation] Pri otkrytvanie prodol'nogo profil'a avtomobil'nykh dorog, metody i avtomatizatsiya. Moskva, Transport, 1966, 237 p.

## ELECTRONIC DATA PROCESSING—ROADS—DESIGN

see subdivision under Sweden

## ELECTRONIC DATA PROCESSING—SCREENS (MINING)

Analyzing dynamic parameters of heavy resonance screens with electronic analog computers, V N Poturav Gor elektromekh, i avtom no 1:151-165 '65

## ELECTRONIC DATA PROCESSING—SHIP HANDLING

Designing of optimal ship control systems using electronic computers I R Fridzon, I U Ia Zubarev, Elektricheskoye no. 1:33-37 Ja '67

## ELECTRONIC DATA PROCESSING—SHOCK (MECHANICS)

Method for the approximation of complex functions, K S Khomakov, Vych, tekhn [MVTU] no. 5:212-246 '66

## ELECTRONIC DATA PROCESSING—STRIP MINING

Algorithms of three-dimensional modeling of mining operations in open-pit mines with use of electronic computers G K Kozlov, V M Kisilak, Izv. vya. ucheb, zav, i gor. zimb. 10 no. 148-54 '67

## ELECTRONIC DATA PROCESSING—SUPPLY AND DEMAND

Electronic computers in production and trade management A I Aikin, Sov. torg. 40 no. 12:13-17 D '66

## ELECTRONIC DATA PROCESSING—TECHNOLOGY

Pairumov, F.G. [Machine control technological processes] Mashina upravlyaet tekhnologicheskimi protsessami, Moskva, Znaniye, 1967, 31 p. (Novoe v zhizni, nauke, tekhnike, XIV Seriya: Radiotekhnika i svyaz', no. 2)

## ELECTRONIC DATA PROCESSING—TURNING

Using electronic computers in calculating cutting conditions for semiautomatic multispindle lathes A M Gilman, L A Brakhman, L K Matveeva Avt. prom 31 no 12 31-33 D '68

## ELECTRONIC DATA PROCESSING—WATER, UNDERGROUND

Using electronic computers for hydrodynamic calculations of water intakes of underground water V M Bononov Izv. vya. ucheb, zav, i gor. zimb. 10 no 1:85-91 Ja '67

## ELECTRONIC DATA PROCESSING—WATER-SUPPLY ENGINEERING

Calculating water supply systems using electronic analog computers, I S Egil'skiy, I V Kozhinov Gor. khoz, Mosk 41 no 11-15-17 Ja '67

Calculating water supply systems using electronic digital computers, E M Gal'perin Vod. i san. tekhn no. 11:6-10 N '66

## ELECTRONIC DATA PROCESSING—WINE AND WINE MAKING

Automation of accounting for the movement of auxiliary materials in the TIII Champagne factory G I Kasadze Trudy Vych, tsentra AN Gruz SSR 7 2 92-103 '66

## ELECTRONIC DIGITAL COMPUTERS

Addition and subtraction of numbers represented by a binary-decimal code B V Anisimov, N M Solomatina Vych, tekhn [MVTU] no. 5:5-19 '68

Application of some information theory methods in the technology of automatic digital computers E I Mamonov Vych, tekhn [MVTU] no. 5:118-130 '66

Computing systems of low and medium productivity F V Fureinov Vych, sist. no 2:5-12 '66

Determination of reliability norms using individual units of electronic digital computers for the coordination step of a tactical-technical assignment, L V Sukov, B I Belov, V Ia, Petrov, Vych, tekhn [MVTU] no. 5:161-169 '66

Digital computers and programming [TSifrovaya vychislitel'naya tekhnika i programmirovaniye, sbornik statei, Pod red. A I Khlova, Moskva, Sovetskoye radio, 1966- (COTU)]

Digital modeling of digital computer circuits I P Norenkov, B I Belov, P V Nestorov Vych, tekhn [MVTU] no 5:131-141 '66

General-purpose computer system "Minsk-22" E V Evreinov, G P Lopato Vych, sist. no 2:31-20 '66, Kaplinskiy, V V, and R V Arutunov, [Electronic digital computers] Elektricheskoye isifrovyye vychislitel'nyye mashiny Moskva [Statistika] 1966, 157 p

The "Minsk-222" control computer for uniform general-purpose computer systems, V V Przhilukovskiy Vych, sist. no 2:31-34 '66

The "Min" electronic digital computer, Inform, biul, VDNKII no. 12 13 D '66

Operational reliability of the "Minsk-2" electronic computers, V V Przhilukovskiy, A G Pashonik, M S Tol'kun', Vych, sist. no. 2:31-34 '66

Some problems bearing on the reliability of homogeneous multipurpose computer systems, V G Khoslovskiy, Vych, sist. no. 2:31-34 '66

System unit of the control computer in the "Minsk-222" computer system, G P Lopato and others, Vych, sist. no. 2:31-34 '66

## ELECTRONIC DIGITAL COMPUTERS—CIRCUITS

Design of a diode square wave decoder, B V Anisimov, L V Sukov, Vych tekhn [MVTU] no 5:31-77 '66

McLukov, G P, [Pulse-potential diagram method in the selection of logical circuits of digital computers] Metod impul'sno-potentsial'nykh diagramm pri vybere logicheskikh skhem tsifrovyykh usloystv, Moskva, 1964, 10 p.

Some physical principles of the construction of logical circuits using thin magnetic films, P V Nestorov, I P Norenkov, Vych, tekhn [MVTU] no. 5:20-30 '66

## ELECTRONIC DIGITAL COMPUTERS—CONGRESSES

Seminar "Voprosy teorii elektronnykh tsifrovyykh matematicheskikh mashin" [Reports of the Seminar "Problems of the Theory of Electronic Digital Computers"] Seminar "Voprosy teorii elektronnykh tsifrovyykh matematicheskikh mashin" [doklady] Kiev, Naukova dumka, No. 8, 1966, 84 p. No. 1, 1968, 135 p.

## ELECTRONIC DIGITAL COMPUTERS—DESIGN AND CONSTRUCTION

Technological principles of designing small-size computers, V V Przhilukovskiy, Vych, sist. no. 2:39-111 '66

## ELECTRONIC DIGITAL COMPUTERS—INPUT-OUTPUT EQUIPMENT

System of subprograms for the input and output of alpha-bit and digital information, N V Bondarenko, Vych, met. i pl. 5:310-324 '66

## ELECTRONIC DIGITAL COMPUTERS—MAINTENANCE AND REPAIR

Problems of reliability of electronic digital computers, M A Titov, L V Sukov, S A Ivanov, Vych, tekhn [MVTU] no. 5:201-210 '66

## ELECTRONIC DIGITAL COMPUTERS—MEMORY SYSTEMS

Dependence of the principal parameters and structure of information storage systems on the characteristics of digital computers, L I Mamonov Vych, tekhn [MVTU] no 5:103-117 '66

Long-term memory using metal cards A V Fel'son, V I Vinogradov Vych tekhn [MVTU] no. 5:1-50 '66

Memory device with external sampling, V N Smolkin, N P Vashkevich Vych, tekhn [MVTU] no 5:51-57 '66

Principles of the construction of a long-term memory device A V Petrov, Vych, tekhn [MVTU] no 5:15-23 '66

Unilateral type-Z memory device of the BISM-2 computer, L G Kiknadze, T G Sikharulidze Trudy Vych, tsentra AN Gruz SSR 7 2 22-26 '66

## ELECTRONIC DIGITAL COMPUTERS—PROGRAMMING

Direct input of initial information in digital computers through a buffer memory device using a magnetic drum A Sh Chudumil, L G Kiknadze, A D Zavalishvili Trudy Vych, tsentra AN Gruz SSR 7 2 17-21 '66

Selection of structure and systems of commands for an automatic digital computer, I A Zhigolev, Vych, met i pl. 5:344-361 '66

Special features of programming and mathematical operations for the "Setun" computer, I A Zhigolev, Vych, met i pl. 5:294-316 '66

## ELECTRONIC DIGITAL COMPUTERS—RELIABILITY

Calculation of the operational reliability of digital computer elements in dynamic operation, V P Pashonik, Vych, tekhn [MVTU] no 5:189-200 '66

Operational and reliability indices of the "Ural-2" digital computer, B I Belov, I P Norenkov, M A Titov, Vych, tekhn [MVTU] no. 5:172-181 '66

Reliability tests and evaluation of reliability of digital computers using derived information, B I Belov and others, Vych, tekhn [MVTU] no. 5:111-121 '66

## ELECTRONIC DIGITAL COMPUTERS—TESTING

Test alternative for the "Ural-2" digital computer, I P Norenkov, M A Titov, Vych, tekhn [MVTU] no 5:134-108 '66

## ELECTRONIC INSTRUMENTS

Device for centralized measurement of heavily damped signals of a liquid, G P Salimov and others, Buil tekhn-ekon Inform Gos, nauch-issl inst nauch i tekhn inform II no. 12:43-45 D '66

Devices with tubes and transistors for investigating heat conductivity by means of a thermal heat source, I P Ankrelev, I M Bluslitsom Inzh.-fiz. zhur II no. 6 756-760 D '66

Using multiple-point excitation of electrodynamic models, V G Beasnov, V L Kolesov, G G Margolin, Izv. Mekh. 2 no. 12:116-117 '66

## ELECTRONIC MEASUREMENTS

Graislanskiy, I N, [Electronic measuring instruments, summary of lectures] Elektricheskoye isifrovyye vychislitel'nyye mashiny, konpekt lektsii, Red. V N Malinovskiy, Moskva, Energiya, 1966, 201 p.

Kharchenko, R R, ed, [Electrical measurement converters] Elektricheskoye isifrovyye vychislitel'nyye mashiny, konpekt lektsii, Red. V N Malinovskiy, Moskva, Energiya, 1967, 407 p.

Special features of the problem of reliability of measuring instruments Zh. B. Linkovskiy, Izv. vya. ucheb, zav, elektromekh, 9 no. 12:1101-1109 '66

Use of a discrete method for measuring phase shifts, V V Kovalevskaya, B Z Beletskiy Sbornik nauch. i tekhn. rabot, 4:270-276 '66

## ELECTRONIC MUSICAL INSTRUMENTS

see Musical Instruments, Electronic

## ELECTRONIC NOISE

[Noises and parametric effects in microwave devices] Shumy i parametricheskoye isifrovyye vychislitel'nyye mashiny, konpekt lektsii, Red. V N Malinovskiy, Moskva, Nauka, 1966, 371 p.

## ELECTRONIC OFFICE MACHINES

At the exhibition "Interorgtekhnik-66," A I Gurevich, Mekh, shif. 23 no. 12:245-250 D '66

Internal management equipment, V B Iabunin, Mashinostroitel' no. 1:7-9 Ja '67

International exhibition of internal management equipment, M A Shvarts, P A Stalnovskiy, Vest mashinostroitel. 47 no. 1:84-86 Ja '67

## ELECTRONIC PULSE TECHNIQUES

(Electronics)

## ELECTRONICS—ABSTRACTS

[Electronics and its applications] Ref. zhur., Elek. i ego prim. nos. 2-3 F-Mr '67

## ELECTRONICS—EXHIBITIONS

"Radioelectronics" Pavilion in 1967, V Korochikhin, Inform, biul, VDNKII no. 1:33-34 Ja '67

## ELECTRONICS—STUDY AND TEACHING

Everyone should know electronics, V Grinberg, Nauch. obr. no. 2:77-80 F '67

## ELECTRONICS IN BIOLOGY

**Koncy, S. V.** [Inlection-excited states of biopolymers] *Piktronnovozbuzhdeniye sostoyaniya biopolimerov*. Minsk, Nauka i tekhnika, 1965 105 p.

**ELECTRONOGRAPHY** see Electron diffraction examination

## ELECTRONS

**Alteration problem.** I. P. Zakharov and others. *Dokl. AN SSSR* 177 no. 3:581-596 Ja '67

**Inbrestrahlung of electrons with  $\bar{E} = 2.1$  GeV.** I. A. Buzin, V. G. Gribanov, V. D. Radikov. *Phys. u. tekh. Zhur. eksp. i teort. fiz.* 1 no. 1:106-110 Apr '66

**Magnetooptical measurements as source of information about electron structure of ferromagnetic nickel.** L. A. Abramova, G. A. Bolotin, M. M. Noskov. *Phys. met. i met. fiz.* 22 no. 6:828-832 D '66

**Motion and radiation of electrons in homogeneous magnetic fields and weak electrostatic fields.** V. Ch. Zhukovskii, I. U. A. Kozlov. *Izv. vuzov. fiz.* 9 no. 8: 11-17 '66

**Study of coordination in the light of concepts of the role of d-electrons in chemistry of elements of main subgroups of D.I. Mendeleev system.** S. A. Sukhanov, *Phys. i khim. kond. sred.* no. 1:5-27 '66

**Study of  $(\sigma, \gamma)$  pair production by electrons with  $E = 2.4$  GeV.** *Issledovanie obrazovaniya  $(\sigma, \gamma)$ -par elektronami s energiei  $E = 2.4$  GeV.* [By] I. A. Bomid. *Dokl. Akad. Nauk* 1967 25 p

**Superconductivity in a nonequilibrium system.** E. G. Buzov. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 5 no. 2: 15-18 Jan '67

## ELECTRONS—DIFFRACTION

**Low-energy electron diffraction on PbS.** G. I. Zyryanov, *Vest. LGU* 21 no. 2:80-84 '66

## ELECTRONS—SCATTERING

**Dependence of current carrier mobility on temperature in GaAs crystals irradiated by fast electrons.** V. S. Vavilov and others. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 11:3390-3391 N '66

**Effect of thermal expansion on the singularity of kinetic coefficients at the Curie point.** V. M. Komarov. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 1:109-112 S '66

**Electron scattering in GaAs.** V. S. Vavilov, I. U. A. Kozlov. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 11:3317-3318 N '66

**Electron scattering mechanism in  $\text{In}_2\text{O}_3$  films.** V. I. Litvin, V. M. Vavilov. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 11:3317-3318 N '66

**Electron scattering on scattering in beryllium and lead at wide angles of incidence of primary beam.** I. M. Boudnikov, V. A. Dolinin. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 11:3422-3423 N '66

## ELECTRO-OPTICAL EFFECTS

**Constant form of tensor of square electro-optical effect in crystals.** F. I. Gerasimov, L. M. Barokovskii. *Dokl. AN SSSR* 10 no. 11:830-831 N '66

**Electro-optical and electro-optical properties of doped ammonium dihydrophosphate crystals.** A. S. Vasilievskii, A. S. Sontsi. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 11:3431-3436 N '66

**Electro-optical effect in GaAs.** V. S. Vavilov, I. U. A. Kozlov. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 8 no. 11:3431-3436 N '66

**Self-focusing of light beam with excitation of atoms and molecules of medium in beam.** G. A. Akerhagen. *Phys. i tekh. Zhur. eksp. i teort. fiz.* 4 no. 10:400-403 N '66

## ELECTRO-OSMOSIS

**Electrokinetic phenomena in hydrocarbon systems with a hydrophilic disperse phase (with summary in English).** M. F. Dolinina, G. V. Vinogradov, V. A. Vovnenko. *Koll. zhur.* 23 no. 3:257-261 May-June '61

**Electroosmotic methods of drying walls and preventive measures to eliminate dampness.** B. V. Malov. *Proekt. i stroit.* 30 no. 12:20-31 '61

## ELECTROPHORESIS

**Changes in electrophoretic mobility of brain proteins related to ammonia formation.** E. E. Kleim, N. V. Gviltia, G. G. Kuznetsov. *Dokl. AN SSSR* 171 no. 6: 1150-1153 D '66

**Electrophoretic analysis of hemoglobins in various blood species.** B. F. Sukhomlynov, V. A. Kuznetsov, M. D. Chulupov. *Dop. AN URSR* no. 12:1605-1606 '66

**Various structure of electrophoretic deposits (with summary in English).** I. S. Lavinov. *Koll. zhur.* 23 no. 3: 255-258 May-June '61

## ELECTROPHYSIOLOGY

**Characteristics of the biopotentials of the anterior spinal roots in postischemic apnea.** V. P. Lebedev. *Fiziol. zhur.* 49 no. 3:322-328 M '63

**Convergence in the superior sympathetic ganglion in cats.** V. I. Skok, O. I. Ivanov, R. P. Bukolova. *Fiziol. zhur.* [Ukr.] 12 no. 6:721-727 N-D '66

**Development of evoked potentials in the sensory-motor and associative zones of the cortex in kittens.** O. G. Paklavashina, F. A. Adamian. *Fiziol. zhur.* 49 no. 3: 269-276 M '63

**Dynamics of neuron networks, reports.** *Dinamika neuronnykh setei, sbornik dokladov*. Vilnius, 1966. 92 p.

**Effect of alternating current on hematology indices in fish.** B. V. Kralukhin, L. I. Smirnova. *Trudy Inst. biol. vnutr. vod.* no. 10:278-283 '66

**Effect of bromide on spinal postsynaptic inhibition.** G. A. Baitanov, N. M. Lavrov, Zh. G. Aleksandrov. *Fiziol. zhur.* 52 no. 12:1420-1433 D '66

**Effect of the sympathetic nervous system and adrenaline on the potentials of the dorsal surface of the spinal cord.** M. A. Baglamova. *Fiziol. zhur.* 52 no. 11:1304-1310 N '66

**Electrophysiological study of the activity of skin and motor analysis and the effect of acceleration.** E. V. Marukhina and others. *Zhur. vuzov. fiz.* 12 no. 6:1021-1028 N-D '62

**Evaluation of active phase potential of terminal plate by tension fixation method.** I. S. Magura. *Biofizika* 11 no. 5:815-819 '66

**Functional significance of the reticular formation of the brainstem in the organization of neuronal activity in the cerebral cortex during specific influences.** R. R. Volya. *Fiziol. zhur.* [Ukr.] 12 no. 6:793-804 N-D '66

**Nonpolarizing electrodes for intracellular derivation of slowly changing biopotentials.** V. I. Belovitch, E. U. Vende, I. A. Vityayev. *Fiziol. zhur.* 49 no. 3:379-381 M '63

**Organization of locomotive synergy.** M. L. Shit, G. N. Olovskii, F. V. Sevelin. *Biofizika* 11 no. 5:879-886 '66

**Possibility for using "electrophysiological" test in determining pollution degree in reservoirs.** B. A. Flerov. *Trudy Inst. biol. vnutr. vod.* no. 10:291-291 '66

**Quantitative characteristics of action potentials of the soma of the giant neurons in the mollusk *Planorbis cornutus* during spontaneous rhythmic discharge.** I. S. Matina. *Fiziol. zhur.* [Ukr.] 12 no. 6:769-775 N-D '66

**Rapid and slow changes in the potentials of afferent fibers of the dorsal root and spinal cord.** T. M. Mamontov. *Fiziol. zhur.* [Ukr.] 12 no. 6:728-737 N-D '66

**Representation of cutaneous and proprioceptive afferents in the transmitting nuclei of the medulla oblongata.** I. I. Shybo. *Fiziol. zhur.* [Ukr.] 12 no. 6:787-794 N-D '66

**Rest biopotentials of ultraviolet erythema as indices of the intensity of its development.** V. V. Efimov. *Vop. kn. i fiziol. i tekh. zhur. eksp. i teort. fiz.* 31 no. 6:562-563 '66

**Study of accommodation mechanism to linearly increasing current on mathematical model of Ranvier's node membrane.** M. L. Bykovskii and others. *Biofizika* 11 no. 5:322-321 '66

**Study of neuron pulsations using methods of the theory of probability and mathematical statistics.** M. O. Kulikov. *Fiziol. zhur.* [Ukr.] 12 no. 6:820-834 N-D '66

## ELECTROPHYSIOLOGY OF PLANTS

**Action potentials of higher plants not possessing motor activity.** A. M. Shtukhin, V. V. Gorchakov. *Biofizika* 11 no. 5:840-846 '66

**Method of measuring the electric field created by developing seeds.** I. K. Chernov. *Elektr. i tekh. zhur. eksp. i teort. fiz.* 31 no. 6:562-563 '66

## ELECTROPLATING

**Effect of the electrode material on the amount of normal electrode potential.** A. M. Mamontov. *Elektr. i tekh. zhur. eksp. i teort. fiz.* 31 no. 6:562-563 '66

**Soft antifriction multicomponent alloy plating.** *Stand. i kach.* 39 no. 11:93 N '66

**Uniformity of distribution of plating thickness during non steady-state conditions of electrolysis.** A. I. Masli, N. P. Gmash. *Zashch. met.* 3 no. 1:99-101 Ja-F '67

## ELECTROPLATING—EQUIPMENT AND SUPPLIES

**Mechanized bath for electroplating.** V. S. Kuznetsov, A. K. Kuchkovskii. *Mashinostroitel'* no. 1:23 Ja '67

## ELECTROPLATING—TESTING

**Problem of measuring the luster of metal electrodeposits.** O. E. Panchuk, R. M. Morgart. *Zhur. prikl. khim.* 34 no. 6:1243-1248 Je '61

## ELECTRORETINOGRAPHY

**Study of receptive fields of cells, sources of S-potentials of turtle and frog retina.** A. L. Bykov. *Biofizika* 11 no. 5:861-870 '66

## ELECTROSTATICS—SAFETY MEASURES

**Introducing electrostatic method for preventing electrification of articles.** I. A. Likhobabenko, R. A. Baskakov. *Blat. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform.* 19 no. 11:14-15 N '66

## ELECTROTHERAPEUTICS

**Correlation of the effectiveness of electroconvulsive therapy and the reactivity of the adrenal cortex.** A. N. Timofeeva. *Trudy GIDU* no. 4:272-277 '62

## ELECTROTHERAPEUTICS—EQUIPMENT AND SUPPLIES

**New apparatus for impulse electrotherapy.** V. G. Iasnogorodskii. *Vop. kn. i fiziol. i tekh. zhur. eksp. i teort. fiz.* 31 no. 6:567-569 N-D '62

**"Pocket" galvanization apparatus.** V. V. Tichonov, P. A. Ondulov. *Vop. kn. i fiziol. i tekh. zhur. eksp. i teort. fiz.* 31 no. 6:555-556 N-D '62

## ELEKTROSTAL' (MOSCOW PROVINCE)—MACHINERY INDUSTRY—MANAGEMENT

**Scientific organization of labor and the economic reform.** V. Matishin. *Sots. iud.* 12 no. 2:83-85 F '67

## ELEMENTARY EDUCATION

see Education, Elementary

## ELEPHANTIASIS

**Since clinical and laboratory data on the use of Soviet pyrogenic preparations in the treatment of elephantiasis.** P. M. Medvedev, K. N. Klimova, E. I. Tischenko. *Sov. med.* 29 no. 11:56-60 N '66

## ELEPHANTIS, FOSSIL

see subdivision under 'Thraspol' District

## ELEUTHEROCOCCUS

**Effect of eleutherococcus on the leukemogenic action of indole.** A. N. Stukov. *Vop. onk.* 13 no. 1:94-95 '67

## ELEVATORS

**Industrialization of elevator installation procedures.** D. Gurevich, I. Nikitin. *Stroi. i arkh. Mosk.* 15 no. 12:30-32 D '66

## ELK, FOSSIL

see subdivision under 'Moldavia'

## ELLIPTIC DIFFERENTIAL EQUATIONS

see Differential equations, Elliptic

## ELPIDITE

**New find of elpidite in U.S.S.R.** I. U. A. Kapustin. *Dokl. AN SSSR* 171 no. 4:852-855 D '66

## EMBANKMENTS

**Stabilizing rail road embankments on sliding slopes.** K. Sh. Shadrin, V. B. Vesclovskii, T. A. Timofeeva. *Transp. st. i st.* 16 no. 2:1-5 F '66

## EMBLEMS, NATIONAL

**Basakov, D. G.** [Biographies of emblems, flags, and anthems of foreign countries] *Biografiya gorbov, flagov, gimnov zarubezhnykh stran*. Moskva, Politizdat, 1967 158 p

## EMBOLISM

**Collateral blood circulation in occlusion of the large blood vessels of the head.** Z. L. Luric, L. K. Bragina. *Zhur. nevro. i psikh.* 62 no. 11:1612-1616 '62

**Reduction of blood pressure in the brain and its morphological manifestation.** I. V. Gannushkina. *Zhur. nevro. i psikh.* 62 no. 11:1616-1620 '62

**Some experimental data on the so-called amniotic fluid embolisms.** I. P. Golubev, E. A. Lemberkhskaia. *Sov. med.* 29 no. 10:38-43 O '66

## EMBRYOLOGY

**Tokin, B. P.** [General embryology] *Oshchepa embriologiya*. [Leningrad] Izd-vo Leningr. univ., 1966. 454 p.

## EMBRYOLOGY—ECHINODERMATA

**Changes in functional activity of neurohormones in Paracentrotus lividus embryos in course of a mitotic cycle.** G. A. Burnikov, L. V. Berdysheva. *Dokl. AN SSSR* 167 no. 2:486-488 M '66

## EMBRYOLOGY—FISHES

**Comparative characteristics of the resistance of fishes to phenols at early stages of ontogeny.** V. M. Volodin, V. I. Lukhtanenko, B. A. Flerov. *Trudy Inst. biol. vnutr. vod.* no. 10:300-310 '66

**Effect of temperature on respiration and adenosine triphosphate level during blastulation of loach eggs.** A. J. Zolov, N. D. Ozerluk. *Dokl. AN SSSR* 171 no. 4:1002-1004 D '66

## EMBRYOLOGY—MAMMALS

**Radiosensitivity of nuclear cell apparatus in various organs of mammalian embryos.** T. D. Osetrova, I. U. A. Kerkis, L. M. Morozova. *Genetika* no. 12:65-77 '66

## EMBRYOLOGY, HUMAN

**Biological determination of intermedin in hypophysis and placenta in human embryogenesis.** S. E. Levina, E. A. Ivanova, G. P. Sergeenkov. *Dokl. AN SSSR* 172 no. 11:246-248 Ja '67

**Biological determination of oxytocin in hypothalamohypophyseal system and placenta in human embryology.** S. E. Levina, E. A. Ivanova. *Dokl. AN SSSR* 171 no. 6: 1458-1461 D '66

**Development of afferent structures of human aorta in prenatal ontogeny.** M. S. Gan'shina. *Dokl. AN SSSR* 172 no. 1:242-245 Ja '67

## EMERGENCY MEDICAL SERVICES

**Rybaev, V. A.** [Self-help and mutual aid in case of mass lesions] *Samopomoshch' i vzaimopomoshch' v oshagakh massovogo porazheniya*. Moskva, Meditsina, 1964. 44 p.

(DNLM)

**EMOTIONALLY DISTURBED CHILDREN** see Mentally ill children

**EMPLOYEE VACATIONS** see Vacations, Employee

## EMPLOYEES, DISMISSAL OF

Legal protection of the factory, plant, and local trade-union committees' right to sanction the dismissal of workers N G Fobets, Sov gospravno, 1:57-62 Ja '67

Replies to builders' questions, R. Sharipov, Nat. khoz. Karakh, 24 no. 11:92-94 N '66

## EMPLOYEES, RATING OF

Rating is an important means of the study and education of public prosecutors and criminal investigators, B I Akovlev, Sots zakon, no. 2:15-21 F '67

## EMPLOYEES, TRAINING OF

(see also subdivision under Siberia, Eastern)

Let us extend the special rights of workers who try to raise their qualifications, V. Solov, Sov. iust, 31 no. 3:22 F '67

Plenums of party committees on personnel work, Part. zhurn' no. 3:57-58 F '67

Workers' collective of an industrial plant: how should it be? V. Novikova, Part. zhurn' no. 3:13-18 F '67

## EMPHYEMA

Treatment of acute emphyema of the pleural cavity, V. S. Pomelov, N. M. Isaev, Sov. med, 29 no. 11:37-42 N '66

## EMULSIONS

Flow of egg yolk stable gas-liquid emulsions in horizontal pipes at low pressures, I. N. Gudimov, S. A. Abdurashitov, Izv. vys. ucheb. zav., neft' i gaz, 9 no. 8, 63-68 '66

Obtaining and using emulsions as a thickening agent, V. N. Nebarov and others, Biol. tekhn. ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform., 10 no. 11:13-14 N '66

Particular features in the stabilization of bituminous and road tar emulsions (with summary in English), L. A. Kriminev, L. A. Borodina, Koll. zhurn, 23 no. 3:290-294 My-Je '61

Treatment of oils prior to refining (2nd article), V. I. A. Masumian, A. A. Nadzharova, M. K. Danulian, Stor. trud. Az. NII NP, no. 3:5-17 '65

## ENAMEL AND ENAMELING

Effect of high-speed steel pickling on the quality of enamel coating, L. S. Savin, IU D. Batinov, Tekhn. i org. proizv., no. 6:69-70 N-D '66

Enameling metal articles in a fluidized bed, E. I. Litvinova, Biol. tekhn. ekon. inform. Gos. nauch. issl. inst. nauch. i tekhn. inform., 10 no. 11:11-12 N '66

Investigating boron containing prime enamels, S. M. Ponomarev, IU, D. Batinov, N. N. Tovarenko-Klimenko, Tekhn. i org. proizv., no. 6:81-84 N-D '66

Study of the process of opacification of enamels by means of X-ray analysis, N. M. Pavlushin, L. S. Egeova, A. K. Zilina, Izv. vys. ucheb. zav., khim. i khim. tekhn., 9 no. 5:807-809 '66

Unit for mechanical enameling of barrels, D. P. Bachurin, Ilyb. priem., no. 53:63-65 '66

## ENAMEL AND ENAMELING—DEFECTS

Effect of pickling additions on "fish-scale" defect of enamel coatings, L. S. Savin and others, Zashch. met, 3 no. 1:116-118 Ja-F '67

## ENCEPHALITIS

Abscess of the nasal septum complicated by meningoen- cephalitis, E. D. Litsitsyn, Zhur. ush., nos. i gorl. hoi., 19 no. 8:75-76 N-D '66

Characteristics of the disorders of sensory synthesis in encephalitis of different etiology, T. K. Kashkarova, [Trudy] GIDUV, no. 4:49-67 '62

Mental disorders in hemorrhagic encephalitis, A. S. Timofeeva, Trudy Gos. nauch. issl. inst. psikh., 26:206-214 '61

Some grave forms of rheumatic encephalitis, L. IU. Popelianskii, Trudy Gos. nauch. issl. inst. psikh., 26: 225-232 '61

## ENCEPHALITIS—COMPLICATIONS AND SEQUELAE

Interrelations between the hypochondriac and depersonalization syndromes in psychoses developing after encephalitis, T. K. Kashkarova, [Trudy] GIDUV, no. 4:68-86 '62

## ENCEPHALITIS, EPIDEMIC

(see also subdivision under Kurgan Province; Siberia, Western; Tomsk)

Outcome in cases of the meningeal form of tick-borne encephalitis, V. E. Terent'ev, Trudy Gos. nauch. issl. inst. psikh., 26:187-190 '61

Specificity of neuropsychopathological syndromes in tick-borne encephalitis and hemorrhagic nephrosonephritis, I. B. Galani, Trudy Gos. nauch. issl. inst. psikh., 26:201-205 '61

## ENCEPHALITIS, EPIDEMIC—PREVENTION

see subdivision under Tomsk

## ENCEPHALOCELE

Meningocele detected in staphylococcal pneumonia, Vest. rent. i rad., 11 no. 6:81-83 N-D '66

## ENCYCLOPEDIAS AND DICTIONARIES

Bol'shaya sovetskaya entsiklopediya, [1966 yearbook of the Great Soviet Encyclopedia] Ezhegodnik 1966 Vyp. 10 Red. kollegiya, D. A. Vvedenskiy, [Moskva] Sovetskaya entsiklopediya [1966] 627 p.

## ENCYCLOPEDIAS AND DICTIONARIES, LITHUANIAN

[Lithuanian encyclopedia] Lietuviu encyklopedija, [Boston] Lietuviu Enciklopedijos Leidykla, [in Lithuanian] Vol. 35, Z - Zvirzdzys, [c1966] 464 p.

## ENDOCRINE GLANDS

Data for studying regulation in endocrine systems, V. M. Dittman, IU, V. Orlov, Fiziol. zhurn, 52 no. 12:1461-1485 D '66

Role of some endocrine glands in regulation of digestive system activity in ruminants, K. T. Tashenov, R. M. Tofimova, Izudy inst. fiziol. AN Kazakh SSR, 10:28-39 '66

## ENDOCRINE GLANDS—DISEASES

Case of Sherehevskii's endocrine syndrome, T. M. Shitak, Probl. endok. i gorm., 8 no. 6:86-87 N-D '62

Endocrine disorders in dystrophic myotonia, V. M. Prikhodan, N. I. Kovalevskaya, Sov. med, 40 no. 1:147-148 Ja '67

Isaulev, I. N., [Pathomorphology of the endocrine glands in tuberculosis] Patomorfologiya endokrinnykh zhelez pri tuberkuloze, Pod red. R. I. Danilova, Tasikent, Meditsina, 1966 105 p.

(DNLN)

## ENDOCRINOLOGY

Activities of the Leningrad Society of Endocrinologists in the first half of 1962 (January-June), Probl. endok. i gorm., 8 no. 6:116-121 N-D '62

## ENDOSCOPY

Endoscopic and X-ray parallels in dysentery, D. M. Gutsman, Sov. med, 29 no. 11:110-114 N '66

Evaluation of endoscopic diagnosis in oncogynecological diseases, D. V. Nikolaeva, Sov. med, 36 no. 1:128-131 Ja '67

## ENEMA

Comparative characteristics of the effectiveness of treating patients with chronic colitis by two methods of colon lavage, L. A. Pyrig, Vop. khim. i fizioter. i tekhn. fiz. kul't., 27 no. 6:517-520 N-D '62

Effect of intestinal lavages on the functional state of the central nervous system, G. V. Sukharov, Vop. khim. i fizioter. i tekhn. fiz. kul't., 27 no. 6:521-524 N-D '62

Treatment of chronic colitis by subaqueous lavage of the intestine with Borzhomi mineral water combined with other health resort factors, M. P. Tsvani, Vop. khim. i fizioter. i tekhn. fiz. kul't., 27 no. 6:517 N-D '62

## ENERGY-BAND THEORY OF SOLIDS

Interaction of elements of the periodic system, V. N. Gurin, A. P. Obukhov, Porosh. met., 6 no. 12:72-83 D '65

Regulation of structure and filling of external energy bands in metals and alloys at start of first transition period, S. A. Nemnoiov, L. D. Finkel'shteyn, Fiz. met. i metalloved., 22 no. 4:520-550 O '66

Selection of basic functions in valence band theory of diamond-type crystals, V. G. Lapina, K. B. Tolpygo, Fiz. tver. tela, 9 no. 11:3156-3162 N '66

Stability of electron configurations, I. R. Kozlova, V. N. Gurin, A. P. Obukhov, Porosh. met., 6 no. 12:68-71 D '66

## ENERGY METABOLISM

Effect of "leotias" on oxidative and energy metabolism of heart and skeletal muscles in white rats, V. A. Leonov and others, Dokl. AN BSSR, 10 no. 11:804-805 N '66

## ENGELS, FRIEDRICH, 1820-1895

Spring of a genius, N. Ivanov, Mol. komm., no. 10: 110-121 '66

## ENGELS, FRIEDRICH, 1820-1895—BIBLIOGRAPHY

see Bibliography—Engels, Friedrich, 1820-1895

## ENGINEERING—PERIODICALS

The Fifth International Conference of the Editors of Technical Periodicals, N. M. Kotliarenko, Stan. i instr., 37 no. 12:39-40 D '66

## ENGINEERING GEOLOGY

Genetic division of basic moraine for purposes of engineering geology, M. M. Maksimov, Izv. vys. ucheb. zav., geol. i razv., 10 no. 1:102-104 Ja '67

Results of checking the accuracy of engineering geological prognoses during construction, N. V. Kolomenskii, Razved. i kh. nedr., 26 no. 3:49-52 Mr '60

Seismic prospecting in water areas for purposes of engineering geology, A. B. Kalinin and others, Tr. v. stol., 18 no. 2:51-52 F '66

## ENGINEERING INSTRUMENTS

Group of instruments and apparatus with program control for studying soils, I. I. Bol'shedonov, V. N. Makarskiy, F. F. Vinokurov, Osn. i fund. i mekh. grun. i no. 4: 39-41 '66

ENGINEERING LABORATORIES see subdivision under Brest; Leningrad Province

ENGINEERING LABORATORIES—DESIGN AND CONSTRUCTION see subdivision under Donetsk

## ENGINEERING RESEARCH

The 18th scientific technical conference on the theory of a ship, L. F. Kozlov, Prikl. mekh., 2 no. 12:171-174 '66

## ENGINES—MAINTENANCE AND REPAIR

Engine repair on the conveyor, V. Mochalov, Chisl. a., 19 no. 2:10 F '62

## ENGINES—TESTING

Induction brake for hot running-in of engines, N. D. Br., Tekh. v sel'khoz., 26 no. 12:31-36 D '66

## ENGLAND see Great Britain

ENGLISH LANGUAGE—ACCENTS AND ACCENTUATION Accent in certain categories of polysyllabic words of the contemporary English language, O. B. Shchegolev, Nauch. dokl. vys. shkoly, filol. nauki, 5 no. 1:70-77 '62

## ENGLISH LANGUAGE—ARTICLE

Expression of relation to a class of homogeneous elements by the nouns of modern English, G. M. Rudnik, Vop. iaz., 15 no. 6:76-80 N-D '66

Problem of articles as a grammatical category in English, D. H. Radchenko, Inoz. filol., no. 6:12-18 '66

ENGLISH LANGUAGE—CHRISTOMATHIES AND READERS see subdivision under United States

## ENGLISH LANGUAGE—DICTIONARIES—LATVIAN

[English-Latvian dictionary. About 42,000 words] Angli latvisku vardsnauka, 2. izdevums, Latvijas valsts parauladats, Ap 42 000 vardu, Riga, Liesma, 1966, 1078 p.

## ENGLISH LANGUAGE—GRAMMAR, COMPARATIVE GERMAN

Usage of tense forms in complex subordinate sentences with object clauses in the modern English and German languages, V. S. Bogutdinov, Uch. zap. MGPI no. 1:1, 153-178 '60

## ENGLISH LANGUAGE—HOMONYMS

Morphological homonymy as a structural peculiarity of the English language, I. B. Khlebnikova, Nauch. dokl. vys. shkoly, filol. nauki, 5 no. 1:76-80 '61

## ENGLISH LANGUAGE—PRONUNCIATION

Was the English and Frisian palatalization of the letter "a" a spontaneous change? I. A. B. Krupatkin, Nauch. dokl. vys. shkoly, filol. nauki, 5 no. 1:107-109 '61

## ENGLISH LANGUAGE—STYLE

Meaning and usage of the past continuous in the English language, V. L. Filatov, Uch. zap. MGPI no. 1:2, 141-142 '60

The past perfect as an element of style in the language of English literature, N. F. Irteneva, Uch. zap. MGPI no. 1:52:6-23 '60

Usage of the past continuous as a means of style in modern English, V. N. Chernysheva, Uch. zap. MGPI no. 1:52:64-83 '60

Usage of the simple past tense in compound sentences in the language of English literature, G. I. Tikhonchik, Uch. zap. MGPI no. 1:52:93-114 '60

## ENGLISH LANGUAGE—SYNTAX

Incomplete and monomial structures of interrogative sentences in English dialogue speech, G. V. Babinich, Inoz. filol., no. 6:57-64 '66

Structural "there" in English, N. M. Sazonova, Inoz. filol., no. 6:44-50 '66

The word substitute "one" in modern English, V. S. Shchegolev, Inoz. filol., no. 6:36-43 '66

## ENGLISH LANGUAGE—TENSE

Expression of tense relations using combinations of modal verbs with an infinitive in the English language, Z. K. Dolgoplova, Uch. zap. MGPI no. 1:52:14-17 '60

Meaning and usage of the past continuous in the English language, V. L. Filatov, Uch. zap. MGPI no. 1:52:81-82 '60

The past perfect as an element of style in the language of English literature, N. F. Irteneva, Uch. zap. MGPI no. 1:52:6-23 '60

The past perfect in the English language from the 17th to the 19th century, L. D. Kuchukova, Uch. zap. MGPI no. 1:52:24-63 '60

System of past tenses in the English language of the 18th century, R. S. Panchenko, Uch. zap. MGPI no. 1:52:11-133 '60

## ENGLISH LANGUAGE—TENSE (Continued)

Usage of the past continuous as a means of style in modern English. V. N. Chernysheva. Uchi. zap. MGPI no. 152:9-10 1960.  
Usage of the simple past tense in compound sentences in the language of English literature. G. F. Tchemnikova. Uchi. zap. MGPI no. 152:9-11 1960.

## ENGLISH LANGUAGE—VERB

A practical content of the verbal form of the indicative in English. A. K. Korotkov. Inzh. filol. no. 6:51-56 1960.  
The verb "to get" in context. H. O. Pokorsky. Inzh. filol. no. 6:19-27 1960.

## ENGLISH NEWSPAPERS

"The Times", England's oldest national newspaper (continued). G. S. Sergeev. Vest. Mosk. un. Ser. II. Zhur. 21 no. 6:70-81 N-D 1960.

## ENGRAVING

From the history of the art of engraving under the reign of Peter I, a field engraving workshop, 1703-1704. V. K. Makarov. Knizh. iust. i. m. 1:260-274 1961.

## ENTHALALGY see Silage

## ENTHALPY

Enthalpy and the heat capacity of zirconium dioxide in 1000°-2500°K temperature range. V. A. Kikulin and others. Teplofiz. vyz. temp. 1 no. 6:878-879 N-D 1960.

## ENTIN, RUVIM IOSIFOVICH, 1910-

Professor R. I. Entin is 50 years old. Fiz. mat. i metal.oved. 22 no. 6:1018 D 1960.

## ENTIRE FUNCTIONS see Functions, Entire

## ENTOMOLOGICAL RESEARCH

Gorshkin, N. I. [Technological basis of ecological research in entomology; measurement and regulation of physical factors of environment.] Tekhnicheskoe osnashenie ekologicheskikh issledovaniy v entomologii, izmerenie i regulirovaniye fizicheskikh faktorov sredy. [Leningrad] Izd-vo Leningr. univ., 1960. 234 p.

## ENTOMOLOGY

Bel-Blenko, G. I. A. [General entomology] Obshchaya entomologiya. Moskva, Vysshaya shkola, 1960. 495 p.

## ENTROPY

Charge asymmetry and entropy of hot universe. I. A. B. Zolotarev, L. D. Navikov, Plaz. v. ved. Zhur. eksp. i. teoret. fiz. 4 no. 3:117-120 Ag 1960.

Entropy of molecules as an additive value of bond entropy. M. P. Mullava, V. U. Shevchenko. Dokl. AN SSSR 171 no. 6:1360-1372 D 1960.

An important characteristic of the spinodal. V. P. Gribov. Teplofiz. vyz. temp. 4 no. 6:816-820 N-D 1960.

Principle of minimal rate of entropy increase in stationary regime. I. U. P. Petrov. Biophizika 11 no. 5:926-928 1960.

## ENVIRONMENTAL ENGINEERING

Perfect organization and landscape gardening in the cities and suburbs of enterprises. L. O. Orlovskiy, V. M. Orlovskiy. Prom. Arh. 4 no. 11:60-81 1960.

## ENZYMES

Antiferments as antibiotics. I. V. Domantsevskiy, Usp. sov. biol. 52 no. 1:10-52 Ji-Ag 1961.

Effect of "lecithin" on oxidative and energy metabolism of heart and skeletal muscles in white rats. V. A. Lomonov and others. Dokl. AN SSSR 10 no. 11:894-896 N 1960.

Effect of some factors on enzymatic activity of Varicorhinus in Lake Sevan. G. T. Adamts, L. V. Sarkisyan. Biol. zhur. Arm. 10 no. 10:72-77 O 1960.

Effect of surface-active substances on enzymatic activity of trypsin, acetylcholinesterase and succinylcholinesterase. V. V. Mosolov, P. V. Laminikova, Dokl. AN SSSR 167 no. 2:454-459 Mr 1960.

Models of biological catalysts. L. A. Nikolov, Priroda no. 1:17-26 Ja 1961.

Problems in the stimulation of the characteristics of a biological catalyst. V. A. Afanas'ev and others. Izv. AN Kir. SSR no. 2:10-46 S-O 1960.

Use of the mycelium as inoculum in submerged cultivation of mold fungi for the accumulation of pectolytic enzymes. L. A. Khersonova, A. L. Malchenko, Ferment. i spirt. prom. 33 no. 1:10-12 1961.

## ENZYMES, EFFECT OF RADIATION ON

Kinetics of the formation and output of free radicals in gamma radiation of some enzymes. T. E. Berezinskaya, G. R. Rik. Vost. sel'khoz. nauki 11 no. 11:104-106 1960.

## EOSINOPHILIC GRANULOMA

X-ray diagnosis of eosinophilic cranial granuloma. I. S. Iakovlev. Vest. rent. i rad. 11 no. 6:35-37 N-D 1960.

## EPHEDRA see subdivision under Georgia

## EPIC POETRY—HISTORY AND CRITICISM

Reviewing the discussion of E. M. Melnikova's book "Origin of epic poetry: its early forms and archaic monuments." Sov. etn. no. 6:43-48 N-D 1960.

## EPIC POETRY, OSSETIC

In connection with V. Korzun's letter. M. Bogdanova. Vop. lit. 5 no. 9:209-211 S 1961.

A scholarly publication on the next issue is needed. V. Korzun. Vop. lit. 5 no. 9:207-209 S 1961.

## EPICURUS

Basic concepts of ethics in the works of Epicurus and Epicurus. Z. A. Pokrovskaya. Vest. drev. ist. no. 1:157-168 1960.

## EPIDEMIC ENCEPHALITIS see Encephalitis, Epidemic

## EPIDEMIOLOGY

Antiepidemic and prophylactic measures in the U. S. S. R. during 50 years. I. I. Rogozin, Z. I. Dubitskaya, Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:6-11 Ja 1961.

Epidemiology of zoonotic cutaneous leishmaniasis. Report No. 2, Distribution of zoonotic leishmaniasis convalescents and patients on the territory of populated places. V. N. Bakov, G. E. Gvozdeva, K. S. Fomina. Med. par. i. par. z. bol. 35 no. 6:876-879 N-D 1960.

Some materials on the epidemiology of adenovirus diseases. A. P. Il'inskiy, Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:122-125 Ja 1961.

## EPIDEMIOLOGY—CLASSIFICATION

Results of systematization of categories and laws of epidemiology. Report No. 2. Categories of epidemiology. A. A. Chasovnikov, Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:74-78 Ja 1961.

## EPIDERMOPHYTON

Treatment of epidermophytosis in swimmers without discontinuing their training in a swimming pool. A. S. Vainshteyn, Teor. i. prakt. fiz. kul't. 29 no. 12:51 D 1960.

## EPIGLOTTIS—TUMORS

Cyst of the epiglottis. A. I. Syganov. Zhur. uzh. nos. i. gorl. bol. 19 no. 6:73-74 N-D 1959.

## EPOXY COMPOUNDS

Cold-cured epoxy-acrylate compositions. G. L. Lukhachovskiy, V. M. Kuznetsova, Plast. massy no. 11-13 1961.

New method of determining hydroxyl groups in epoxy compounds. G. A. Levkovich, T. V. Kuvshinskaya. Lakokras. mat. i. kh. priim. no. 6:54-56 1960.

Repairing damage to reinforced concrete products. Stroitel. Arkh. Urb. 7 no. 12:20 D 1960.

## EPOXY RESINS

Binders for fiber glass based on epoxy resins. L. L. Golubenkova and others. Plast. massy no. 11-13 1961.

Epoxy paint corrosion protection of cable pipelines. V. I. Shtrombik. Energ. stroitel. no. 7:67-70 1960.

## EQUATION OF STATE

Equation of state of solid helium at high pressures. V. F. Trubitsyn. Fiz. tver. tela 8 no. 11:3241-3247 N 1960.

Mechanical equation of state. V. A. Likhachev, V. I. Vlodimirov. Fiz. mat. i. metal.oved. 22 no. 4:514-519 O 1960.

Short review of seismic wave absorption theories. Part 1. S. I. A. Kogan. Izv. AN SSSR. Fiz. zem. no. 11:3-16 1960.

Short review of seismic wave absorption theories. Part 2. S. I. A. Kogan. Izv. AN SSSR. Fiz. zem. no. 11:17-28 1960.

## EQUATIONS

Using the method of expansion in eigenfunctions of the dominant term of an equation in solving mixed problems for a second-order equation in the (O, oo) interval. D. G. Salimova. Izv. AN Azerb. SSR Ser. fiz.-mat. i. tekhn. nauk no. 5:28-38 1962.

## ERGOSTEROL

Significance of endogenous and exogenous carbohydrates in ergosterol biosynthesis by yeast. T. S. Ljapunova. Mikrobiologiya 35 no. 6:980-986 N-D 1960.

## ERVAN—COMPRESSORS—TECHNOLOGICAL INNOVATIONS

A good deed has a strong support. S. Markarian. Prom. Arm. 9 no. 10:11-13 1960.

## ERVAN—MOSQUITOES

Detection of Culex pipiens molestus Forskal in Ervan. A. G. Avetisyan. Med. par. i. par. z. bol. 35 no. 6:731-732 N-D 1960.

## ERVAN—SPARKLING WINES

Cost of the "Soviet Champagne." L. Karapetian. Prom. Arm. 9 no. 11:77-79 1960.

## ERMINE MOTHS

(see also subdivision under Kharkov Province; Kharkov region)

Recent developments in the biology of ermine moth (Hyponomeuta padellus L.). I. V. Khizhriak. Trudy KISKII 55:134-140 1960.

## EROSION

(see also subdivision under Caucasus; Dukhovnitskoye District)

Dynamics of nitrates in connection with relief and the degree of soil erosion. Pochvoedeniye no. 4:74-80 Ap 1960.

Effect of frost on the structure and resistance to erosion of soil depending on its moisture. I. A. Motuzov. Pochvoedeniye no. 3:53-58 Mr 1960.

Erosion of the upper part of a section of the Pashya series in the Anzavayevskaya. V. P. Chupov, R. V. Polikarpova. Nauch.-tekhn. sbor. po d. b. i. 8:9-12 1960.

Event of soil erosion depending on the method of soil tillage. V. F. Trushin. Pochvoedeniye no. 4:107-113 Ap 1960.

Form coefficients in calculating local erosion of bridge supports on columnar foundations. I. U. A. Kovalenko. Transp. stroit. 16 no. 4:39-40 Ap 1960.

Regulating the melting of snow on eroded hill-ford soils. I. V. Zhyllov, I. I. Kozlov. V. v. st. i. AN SSSR. Ser. sel'khoz. nauki no. 1:17-20 1960.

Water stability of the structure of various soil types in connection with agrotechnical measures. A. P. Selivanov. Pochvoedeniye no. 3:65-71 Mr 1960.

## ERROR-CORRECTING CODES (INFORMATION THEORY)

Error-correcting arithmetic codes in a system of residual classes. S. B. Iam. Trudy Vychislitel'noy AN Gru. SSR 7:260-91 1960.

## ERRORS, THEORY OF

Pustovalov, G. E., and E. V. Talalaeva. [Simple physical measurements and their adjustment] Pionetskoye fizicheskoye izmereniye i ikh obrabotka. [Moskva] Izd-vo Mosk. univ., 1967. 154 p.

Zaidel', A. N. [Elementary estimates of measurement errors] Elementarnye otsenki oshibok izmereniy. Izd. 2, 1. i. dop. Leningrad, Nauka, 1967. 87 p.

## ERYSIPELOTHRIX see subdivision under Tselinograd Province

## ERYTHREMA

Electrophoresis of blood proteins in erythema following treatment with radioactive phosphorus. M. V. Nikolaeva, B. P. Shvel'skaya, N. D. Potash. Radiol. gemat. i. prikl. biol. 12 no. 1:12-14 Ja 1961.

Estimating the amount of fibrinogen in the blood of erythema patients by the erythema index. L. S. Macha-bell. Soob. AN Gru. SSR 26 no. 6:755-761 Ja 1961.

## ERYTHROCYTES

Comparison of adenosinetriphosphatase activity of erythrocytes, their stroma and blood plasma with changes in osmotic resistance of erythrocytes in rats treated to hypoxia. Z. I. Barabashova, G. I. Gligorova. Fiziol. zhur. 52 no. 11:1316-1322 N 1960.

Dissociation and reassociation of human erythrocyte catalase. V. L. Shpil'sberg. Biophizika 11 no. 5:766-772 1960.

Hereditary nature of interstrain differences in producing hemolysis against erythrocytes of rats in CB1 and CC57BR mice. O. V. Rokhlin, R. P. Khromacheva. Genetika no. 12:59-55 1960.

Presence of fibrin-stabilizing factor in erythrocytes. V. P. Baluda, Zh. Buzarenkova, S. S. Khlybov. Biol. zhur. i. med. 63 no. 1:13-15 Ja 1961.

ERYTHRA, S., pseud. see Nededov, Stepan Dmitriyevich, 1878-1959

## ESCHERICHIA COLI

Circulation of pathogenic Escherichia coli of the serological type 0157:H7 among adults. V. S. Peisepkin and others. Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:150-151 Ja 1961.

Colicinogenicity of enteropathogenic and common Escherichia coli isolated in children with colicenteritis. S. E. Glikhman, V. A. Kereva, O. A. Ignatyeva. Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:152 Ja 1961.

Effect of ribonucleic acid from bovine adenohypophyses on adrenocorticalotropic factor synthesis in acellular system from Escherichia coli B. I. N. Todorov, L. N. Blok, V. N. Vasilchenko. Dokl. AN SSSR 167 no. 2:461-463 Mr 1960.

Experimental infection of laboratory animals by enteropathogenic Escherichia coli O124:H7 (H7). Report No. 1. Study of the infectious process in white mice following intranasal infection. I. U. E. Polotskiy, V. A. Artyuzova, Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:51-55 Ja 1961.

Serological characteristics of enteropathogenic Escherichia coli of the group O24:H8 (type 145). A. K. Baltrashesvich, O. P. Mazitova, N. M. Lundsman. Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:152-153 Ja 1961.

Zygote induction in crosses of typing and nontyping strains of Escherichia coli. A. P. Pekhov, G. N. Polukhina, Zhur. mikrobiol. i. epid. i. immun. 44 no. 1:31-33 Ja 1961.

## ESCHERICHIA COLI—CULTURES AND CULTURE MEDIA

Effect of 5-bromouracil on genetic recombination of Escherichia coli in relation to the amount of thymine it replaces in DNA of donor cells. V. P. Shchepkov, L. I. Samoilenko. Genetika no. 12:99-105 1960.

Metabolism in Escherichia coli and Staphylococcus aureus variants produced under different conditions of cultivation. I. U. V. Kulash. Mikrobiologiya 35 no. 6:994-997 N-D 1960.

## ESCHERICHIA COLI—PHYSIOLOGICAL EFFECT

Metabolic fund of free nucleotides of the bacterial cell. M. F. Khennina. Biol. zhur. i. med. 63 no. 1:56-60 Ja 1961.





**ETHNOLOGY—BIBLIOGRAPHY** see Bibliography—Ethnology

**ETHNOLOGY—PERIODICALS**

A meeting of the editorial staff of "Demos," an international periodical of the reviews of ethnographical studies, I. N. Terent'eva, T. D. Timonova. Sov. etn no 6:115-117 N-D '66.

**ETHYL ALCOHOL**

Rate constants and mechanism of reactions of oxygen atoms with ethyl alcohol and propionaldehyde. I. I. Avramenko, R. V. Kolesnikov, G. I. Savinova. Izv. AN SSSR Ser. khim., no 1:22-26 Ja '67.

**ETHYL ETHER**

Production of ethyl ether of water-soluble acids ( $C_2-C_4$ ) catalyzed by diethyl sulfates in a water medium. B. K. Zaitsev, I. A. Panteeva. Masl.-zhir. prom., 33 no 1:40-41 Ja '67.

**ETHYL ETHER—DENSITY**

Investigating the density of a substance near the critical state by the gamma-ray absorption method. O. Z. Holik, V. M. Kazanovskiy. Dokl. fiz. khim., 1 no 5:670-676 S-O '66.

**ETHYLENE**

Separation of ethane-ethylene mixtures into ethane and ethylene by the continuous absorption method. Kh. A. Guporian, E. F. Aliev, A. M. Kuliev. Zhur. trud. Az. NII NP no 3:177-178 '66.

Superlattice action of separation of some metals during poly(vinyl chloride) stabilization. Z. V. Popova, D. M. Kholodskiy. Zhur. prikl. khim., 44 no 6:1324-1329 Je '61.

**ETHYLENE, EFFECT OF RADIATION ON**

Analysis of ethylene paramagnetic resonance spectrum of thin oxygen radicals in irradiated tetrafluoroethylene. V. I. Musakovsky and others. Teoret. i eksper. khim., 2 no 3:670-684 S-O '66.

**ETHYLENE COMPOUNDS**

Reaction of methyl and ethyl alcohols with tetrachloroethylene. G. I. Nibabin, M. I. Dusenov, G. V. Somov. Izv. AN SSSR, Ser. khim., no 12:2181-2192 '66.

**ETHYLENE OXIDE**

Chromatographic determination of ethylene oxide in contact gas. K. I. Gafarova, H. V. Ionov, S. A. Lange. Neftepr. i neftekhim., no 10:34-35 '66.

**ETHYLENE POLYMERS**

Chemical stability of ethylene copolymer with propylene. N. B. Kashitina and others. Plast. massy no 1:15-17 '67.

Effect on paramagnetic resonance spectrum of radicals carrying on tetrafluoroethylene polymerization chain. A. S. Babitskiy, V. G. Pechnikov, I. V. Volkova. Khim. i tekhn. 1 no 6:1081-1085 N-D '66.

Mechanism of ethylene trimerization by carbon tetrachloride and chlorine. B. A. Englin, R. Kh. Fridlind. Izv. AN SSSR, Ser. khim., no 12:2007-2101 '66.

**ETHYLENIMINE**

Ethyleneimines of arylphosphorous and thionphosphoric acids. N. A. Bulina, I. A. Nodetdinov, N. P. Gochkin. Izv. AN SSSR, Ser. khim., no 1:217-220 Ja '67.

**ETIQUETTE FOR CHILDREN AND YOUTH**

Indicate good manners in children. M. P. Malyshev. Mch. shkola 35 no 2:35-47 I '67.

**EUCOLITE** see subdivision under Synmyr Range

**EUDIALYTE** see subdivision under Lovozero Tundra

**EULAMELLIBRANCHIATA, FOSSIL** see subdivision under Georgia

**EUROPE—COAL MINES AND MINING—EXPLOSIVES**

A survey of the assortment of safety explosives in main coal-mining countries. I. V. Dubnov, N. S. Bakharevich. Vysv. delo no 68/17:119-121 '66.

**EUROPE—ETHNOLOGY**

[Culture and life of the peoples of foreign European countries; ethnographical studies] [Kultura i byt narodov zarubezhnoi Evropy, etnograficheskie issledovaniya] Moskva, Nauka, 1967. 254 p.

**EUROPE—FOREIGN RELATIONS**

The United States, England, and Europe. I. Lemin. Mezhdunar. zhizn' 14 no 2:14-62 '67.

**EUROPE—PEACE**

Lights and shadows of Europe. O. Kilchka. Mezhdunar. zhizn' 11 no 2:8-12 '67.

**EUROPE, EASTERN**

Possibility of geological comparison of the areas with Paleolithic sites in the Dniepr and Don Basins and Czechoslovakia. A. A. Vellechko. Trudy Kom. chetv. per. 18:50-61 '61.

Some problems of the stratigraphy and periodization of the Upper Paleolithic in Eastern Europe, principles of geologic stratigraphy in the study of the Paleolithic. A. N. Rogachev. Trudy Kom. chetv. per. 18:40-43 '61.

**EUROPE, EASTERN—ACCOUNTING—PERIODICALS**

International meeting of the chief editors of the journals on the problems of statistics and accounting. Vest. stat. no 1:81-82 '67.

**EUROPE, EASTERN—AGRICULTURE, COOPERATIVE—LAW AND LEGISLATION**

Some characteristics of the legal regulation of cooperative agriculture in the European socialist countries. V. Nikol'. Sots. zakon no 2:62-64 I '67.

**EUROPE, EASTERN—BOOK INDUSTRIES**

In socialist countries. Knizh. tovg. 18 no 1:36 Ja '67.

**EUROPE, EASTERN—CHARTER PARTIES**

Coordination of vessel chartering. IU Seigcey. Vnesh. tovg. 46 no 12:11-16 '65.

**EUROPE, EASTERN—COMMERCE**

Structure of mutual trade among the Comecon countries. N. Volkov. Vnesh. tovg. 46 no 12:10-12 '65.

**EUROPE, EASTERN—ECONOMIC CONDITIONS**

Cooperation of socialist countries and the prosperity of the people. A. Sokolov. Mezhdunar. zhizn' 14 no 2:34-40 '67.

**EUROPE, EASTERN—EDUCATION**

New developments in education, reports from various countries. Nar. obr., no 2:101-125 F '67.

**EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS**

Economic ties of socialist countries and the ideologists of anti-communism. V. Smolianskiy. Vop. ekon., no 1:81-90 Ja '67.

**EUROPE, EASTERN—FOREIGN ECONOMIC RELATIONS—UNDERDEVELOPED AREAS**

Somlin, N. S. [The Comecon countries and the developing countries of Asia and Africa] Strany SEV i razvivayushiesya strany Azii i Afriki. Moskva, Znanie, 1967. 40 p. (Novoe v zhizni, nauke, tekhnike, III Seriya. Ekonomika, no 3)

**EUROPE, EASTERN—FOREIGN RELATIONS**

Socialist countries and European cooperation. V. Pavlov. V. Gorelov. Mezhdunar. zhizn' 11 no 2:22-25 '67.

**EUROPE, EASTERN—INDUSTRIES**

Ties between trade and production. L. Tariverdiev. Sov. tovg. 40 no 2:40-42 F '67.

**EUROPE, EASTERN—PAPER INDUSTRY—RESEARCH**

Great power of scientific and technological collaboration. N. V. Blukhin. Bum. prom., no 1:25-26 Ja '67.

**EUROPE, EASTERN—POPULATION—CONGRESSES**

1967 belongs to the demographers. V. Moiseenko. Plann. khoz., no 2:79-82 F '67.

**EUROPE, EASTERN—Q FEVER**

Natural focus of Q fever in Eastern European southern taiga forests. A. A. Pchelkina and others. Zhur. mikro-biol., epid. i immun. 14 no 1:87-92 Ja '67.

**EUROPE, EASTERN—STATISTICS**

Galelekaln, R. A. [Statistics on the achievements of socialist countries] Statistika ob uspekakh sotsialisticheskikh stran. Moskva [Statistika] 1966. 55 p. (Statistika dlya vseh)

**EUROPE, EASTERN—STATISTICS—PERIODICALS**

International meeting of the chief editors of the journals on the problems of statistics and accounting. Vest. stat. no 1:81-82 '67.

**EUROPE, EASTERN—STONE AGE**

Resolution of the Conference on Principles of the Stratigraphy and Periodization of the Paleolithic in Eastern Europe, Moscow, October 10-24, 1959. Trudy Kom. chetv. per. 18:257-259 '61.

**EUROPE, EASTERN—STUDENT ACTIVITIES**

Extracurricular work in the schools of socialist countries. G. Kosvin, A. Savina. Nar. obr. no 2:82-87 F '67.

**EUROPE, EASTERN—TAIGAS**

Natural focus of Q fever in Eastern European southern taiga forests. A. A. Pchelkina and others. Zhur. mikro-biol., epid. i immun. 44 no 1:87-92 Ja '67.

**EUROPE, EASTERN—TOURISM**

Tourism in Eastern Europe. M. Anan'ev. Vnesh. tovg. 40 no 11:38-42 '66.

**EUROPE, NORTHERN—HYDROMETEOROLOGY**

Fluctuations in the general moisture conditions of northwestern Europe and their relation to atmospheric circulation. V. F. Logunov. Izv. Vses. geog. ob-va 98 no 6:520-523 N-D '66.

**EUROPE, WESTERN—ARCHITECTURE**

[World history of architecture in 12 volumes] Vseobshchaya istoriya arkhitektury v 12 tomakh. Glav. red. kollektiva: N. D. Kolli (glav. red.) I. dr. Leningrad, Stizdat.

Vol. 4. [Architecture of Western Europe, the Middle Ages] Arkhitektura Zapadnoi Evropy, srednie veka. 1966. 692 p.

**EUROPE, WESTERN—FEUDALISM**

Feudal period as the transitional phase in development from the tribal system to early feudalism. A. I. Neusy-Plin. Vop. ist. 42 no 1:75-87 Ja '67.

**EUROPE, WESTERN—FISHERIES**

Mal'kov, A. S., and A. A. Polonskiy. [Fisheries off the shores of Western Europe] Rybolovstvo u beregov Zapadnoi Evropy. Kaliningrad, AtlantNIRO, 1965. 83 p. [MICROFILM]

**EUROPE, WESTERN—FOREIGN ECONOMIC RELATIONS**

Military and economic integration in Western Europe. L. Grudev, V. Sidorov. Mezhdunar. zhizn' 14 no 2:91-99 '67.

**EUROPE, WESTERN—FOREIGN RELATIONS**

Military and economic integration in Western Europe. L. Grudev, V. Sidorov. Mezhdunar. zhizn' 14 no 2:91-99 '67.

**EUROPE, WESTERN—FOREIGN RELATIONS—UNITED STATES**

Moichanov, N. N. [The U.S. A. and Western Europe] SSHA in Zapadnaya Evropa. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike, VII Seriya. Mezhdunarodnaya, no 2)

**EUROPE, WESTERN—STRIKES AND LOCKOUTS**

Class struggle in Western Europe. I. Novoselov. Agitator 34 no 2:49-51 Ja '67.

**EUROPE, WESTERN—TRUSTS, INDUSTRIAL—LAW**

The class nature of "antitrust" laws in bourgeois countries. O. A. Zhidkov. Sov. gos. i pravo no 1:125-130 Ja '67.

**EUROPEAN ECONOMIC COMMUNITY COUNTRIES**

The five-year plan of the Common Market. IU Bol'vo. Nov. vrem. 25 no 9:18-19 I '67.

**EUROPEAN ECONOMIC COMMUNITY COUNTRIES—COMMERCE—NIGERIA**

Nigeria, associate member of the European Economic Community. N. Petrov. Mir ekon. i mezhdunar. otn. no 1:117-119 '67.

**EUROPEAN ECONOMIC COMMUNITY COUNTRIES—FOREIGN RELATIONS**

Socialist countries and European cooperation. V. Pavlov, V. Gorelov. Mezhdunar. zhizn' 14 no 2:22-25 '67.

**EUROPIUM ISOTOPES—SPECTRA**

Studying <sup>145</sup>Eu radiation. I. Adam and others. Izv. AN SSSR, Ser. fiz. 31 no 1:122-132 Ja '67.

**EUROPIUM SALTS**

Thermal decomposition of europium dicarboxylates. B. S. Azikov, V. V. Serebrennikov. Trudy TGU 185:110-123 '65.

**EURYCASTERS** see subdivision under Kharkov Province

**EURYCASTERS—CONGRESSES**

Joint session of the Scientific Technical Council. E. Sushinskiy. Zauch. rast. 12 no 1:58 '67.

**EURYCASTERS—EXTERMINATION** see subdivision under Bulgaria

**EURYCASTERS—PARASITES** see Parasites—Eurycasters

**EVAPORATING APPLIANCES**

Calculating the coefficient of heat transfer for steam-heated evaporators. D. Fabri. Inzh.-fiz. zhur. 11 no 6:797-801 D '66.

Evaporation of synthetic fatty acids in a rotor-type film evaporator. A. N. Marchenko, V. M. Besplatov, A. B. Titumnikov. Masl.-zhir. prom. 32 no 11:38-41 N '66.

**EVAPORATION**

Experimental study of flash evaporation process of mazut. A. A. Sveridov. Nefteper. i neftekhim. no 10:13-16 '65. Kinetics of evaporation of liquid drops covered with an insoluble film of foreign substance [with summary in English]. B. V. Deriagin, S. P. Bakanov, I. U. S. Kurgin. Koll. zhur. 23 no 3:262-271 My-Je '61.

**EVENING AND CONTINUATION SCHOOLS**

A daughter of the people. -M. K. Ermakova. Vech. sred. shkola 9 no 3:9-10 My-Je '68. From the editor. Vech. sred. shkola 9 no 3:50-61 My-Je '68. In addition to teaching. B. V. Ivanov. Vech. sred. shkola 9 no 3:24-25 My-Je '68.

## EVENING AND CONTINUATION SCHOOLS (Continued)

Let us persistently try to improve the quality of the students' education. Vech. shkol. 9 no. 5:3-6 S-O '66

More training in the process of education. I. P. Levchuk. Vech. shkol. 9 no. 5:31-36 S-O '66

Reviewing the Russian language studies in senior classes. N. D. Fed'ko. Vech. shkol. 9 no. 5:79-80 S-O '66

Schools for skilled workers are a form of progressive education. I. Zuev. Nat. obr. no. 2:69-74 F '67

A subject planning commission in an evening technical school. V. D. Shchadnov. Sred. spets. obr. 11 no. 7:26-27 JI '66

The system of credit tests during the lessons. I. Farber. Nat. obr. no. 2:66-69 F '67

With the help of dependable friends. I. A. I. Noshov. Vech. shkol. 9 no. 3:23-24 M-Je '66

Evening studies

Iakutskaya respublikanskaya biblioteka. [G. M. Vasilievich, an outstanding student of the Tungus, on her 70th birthday] G. M. Vasilievich - frunzenskiy sovetskii tungusoved, k 70-letiyu so dnya rozhdeniya. Iakutsk, Iakutskoe knizhnoe izd-vo, 1965, 45 p.

Evening studies

We should properly implement the law on the evening of the persons who violate the rules of the socialist way of life. IU Basm. Sots. zakon. no. 2:42-44 F '67

Evening studies

Evaluation of evidence in review proceedings. V. Alekseev. Sov. iust. 30 no. 24:4-3 D '66

Evidence (LAW)

Evidence, expert

Evaluating the findings of expert witnesses. I. Petrushin. Sov. iust. 31 no. 3:19-21 F '67

Expenditure examination of damage to clothing in institutions of forensic medicine. S. P. Pribyleva-Marchenko. Sud. med. ekspert. 9 no. 1:27-30 O-D '66

Prophylactic method of determining the movement direction of a track-torcing object based on the microrelief of lesions on the body and clothing. A. N. Ratnevskii. Sud. med. ekspert. 9 no. 4:14-16 O-D '66

Some methodologies of determining lesions caused by glass. M. V. Rozinov. Sud. med. ekspert. 9 no. 4:23-27 O-D '66

EWES see subdivision under Kazakhstan

EWES—FEEDING AND FEEDS see subdivision under Tajikistan

EXAMINATIONS

How we carried out a technical quiz. D. I. Tunt. Shkola i prof. 10 no. 10:18-19 O '66

More about examinations. T. G. Brazha. Vech. shkol. 9 no. 5:88-89 S-O '66

The system of credit tests during the lessons. I. Farber. Nat. obr. no. 2:66-69 F '67

EXCAVATING MACHINERY

Belikov, I. I., and V. M. Vladimirov. [Operating members of wheel-type excavators] Rabochie organy rotornykh ekskavatorov. Moskva, Mashinostroenie, 1967, 178 p.

Calculation for and design of distributors and safety valves in the hydraulic systems of excavators. V. IU. Gurban. Stroitel. mash. 6 no. 12:8-10 D '61

The E-158A excavator-grader. M. Kostin. Nat. obr. 8 no. 3:2 of cover Mr '63

E-201 new hydraulic excavator. V. D. Tkach. Stroitel. mash. 6 no. 12:3-5 D '61

E-6516 diesel-electric excavator-crane. V. I. Panukhin. Stroitel. mash. 6 no. 12:6-7 D '61

Network schedule graph for assembling walking excavators by large units. V. Tkach. Prom. st. ol. i inzh. soor. 8 no. 6:1-3 N-D '66

To full capacity. I. A. Galkin. Transp. stroit. 18 no. 4:34 Ap '66

Wear of piston couplings in hydraulic systems of excavators. S. V. Kandyba. Mekh. stroit. 23 no. 12:15-17 D '66

EXCAVATING MACHINERY—DESIGN AND CONSTRUCTION

Automating rotary bucket excavators. V. I. Stefanovich. IU. G. Vsesm. Gor. elektromekh. i avtom. no. 1:99-103 '65

Certain problems of calculating and designing continuous machines for frozen ground working by cutting. M. A. Dvornik. Sbor. nauch. trud. PNIUI no. 10:254-273 '66

Experimental studies of walking processes in excavators and waste stackers. L. I. Poltava and others. Izv. vys. ucheb. zav., gor. zhur. 8 no. 10:103-112 '65

Selecting rated value of specific digging forces in designing rotary bucket excavators. V. A. Kovrigin. Izv. vys. ucheb. zav., gor. zhur. 8 no. 9:82-88 '65

EXCAVATING MACHINERY—DYNAMICS

Determining forces in dragline hoist ropes. V. F. Chernyi. Izv. vys. ucheb. zav., gor. zhur. 8 no. 10:101-107 '65

EXCAVATING MACHINERY—ELECTRIC DRIVING

Instability of current-limiting assemblies in electric drives of single-bucket excavators, and ways to eliminate it. G. D. Rempel. Izv. vys. ucheb. zav., gor. zhur. 8 no. 9:161-168 '65

Selecting an efficient system of automated main electric drive of heavy-duty rotary bucket excavators. A. F. Kutov. Gor. elektromekh. i avtom. no. 1:99-103 '65

EXCAVATING MACHINERY—MAINTENANCE AND REPAIR

Repairing E-1252 excavators by assembly unit method. V. G. Taits. Transp. stroit. 16 no. 2:28-30 F '66

EXCAVATIONS (ARCHAEOLOGY) see subdivision under Chukchi Peninsula

EXCITATION (PHYSIOLOGY)

Changes in the sugar content in lymph and blood with the stimulation of the hypothalamus. V. P. Glagolev. L. I. Tomilina. Fiziol. zhur. 52 no. 11:1311-1311 D '66

Conduction of excitation through the spinal cord after following injury and regeneration of fibers of the posterior roots. L. N. Anan'eva, T. N. Neemelanova. Fiziol. zhur. 52 no. 12:1431-1440 D '66

Differentiation of reciprocal and nonspecific descending synaptic effects following stimulation of the reticular formation of the medulla oblongata. P. H. Kostuk, M. M. Preobrazhenskii. Fiziol. zhur. [Ukr.] 12 no. 6:712-720 N-D '66

Effect of prolonged stimulation of the peripheral section of the vagus nerve on blood coagulation. T. A. Bakhareva, T. N. Kovaleva. Fiziol. zhur. 52 no. 11:1315-1321 N '66

Evaluation of the resolving ability of the human retina based on electrophysiological data. K. A. Bykov, B. A. Fundukov. Fiziol. zhur. 52 no. 12:1441-1446 D '66

Responses of neurons of the somatosensory cortex to direct electric stimulation. V. M. Storozhuk, I. B. Gurova. Fiziol. zhur. 52 no. 11:1289-1296 N '66

Role of cortical and thalamic levels in the formation of recovery cycles of evoked potentials in the visual zone of the cerebral cortex. A. A. Supin. Fiziol. zhur. 52 no. 11:1297-1301 N '66

State of potassium and sulfhydryl groups in spinal motoneurons in frogs following reflex stimulation. T. V. Alekhov, N. B. Iurina, B. I. A. Seligman. Biol. eksp. biol. i med. 63 no. 1:10-13 Ja '67

EXCITON THEORY

Exciton states localized near crystal defects. V. I. Sugakov. Opt. i spekt. 21 no. 5:571-582 N '66

Excitons in Ag<sub>2</sub>O crystals. E. P. Gross, F. I. Krengel'd, P. A. v. ed. Zhur. eksp. i teoret. fiz. 4 no. 10:418-422 N '66

EXERCISE

Effect of physical loads on cardiodynamics in normal and defective rhythm of cardiac contractions. B. M. Stollum and others. Fiziol. zhur. 52 no. 11:1328-1331 N '66

Importance of sports and the role of Chukhryud and adjacent regions in organizing tourist trips. Sh. M. Gasanov. Sbor. nauch. trud. Azerb. nauch.-issl. inst. tur. i fiz. metod. lech. no. 6:195-200 '62

EXERCISE THERAPY

(see also subdivision under Chelyabinsk)

Effect of exercise therapy on the saturation of arterial blood with oxygen in pneumoconiosis. V. V. Shigalevskii. Vop. kur. i fizioter. i lech. fiz. kul't. 31 no. 6:527-532 '66

Exercise therapy in osteomyelitis of the shinbone. V. P. Zubynin. Sbor. nauch. iab. Azovo-Cher. inst. mekh. sel'khoz. no. 14:108-123 '58

Exercise therapy in transplantation of the flexor carpi radialis following lesion of the radial nerve. V. P. Zubynin. Sbor. nauch. rab. Azovo-Cher. inst. mekh. sel'khoz. no. 14:68-79 '58

EXHIBITION BUILDINGS—DESIGN AND CONSTRUCTION

see subdivision under Moscow

EXHIBITIONS

Polakova, U. M., and D. I. Tverskaya. [Period of the socialist reconstruction of the national economy and the beginning of the final stage of the building of socialism, 1920-1941, in the exposition of regional study museums. On the 50th anniversary of the Great October Socialist Revolution] Period sotsialisticheskoi rekonstruktsii narodnogo khoziaistva i nachalo zavershat'sya shchego etapa stroitel'stva sotsializma (1920-1941 gg.) v ekspozitsii kraevykh muzeev; metodicheskie posobie. K 50-letiyu Velikoi Oktabr'skoi sotsialisticheskoi revoliutsii. Moskva, Nauchno-issl. in-t muzevevedeniya, 1966, 136 p.

"Sudolimpri" exhibits. V. Ragalev, V. V. Vnesh. torg. 46 no. 12:28-27 '68

EXISTENTIALISM

Existentialism, Article 2. E. IU. Solov'ev. Vop. filos. 21 no. 1:126-139 '67

Existentialist glorification of imperialist reaction. V. D. Isachenko. Trudy Irk. un. 36 no. 4:81-87 '68

Solov'ev, E. IU. [Existentialism and the theory of knowledge] Ekzistentsializm i nauchnoe poznanie. Moskva, Vysshaya shkola, 1968, 154 p.

Unfounded idealistic principles of the philosophical anthropology of Christian existentialism. E. U. Dubinski. Vestn. AN BSSR. Ser. hram. nav. no. 1:118-127 '66

## EXOPHTHALMOS

Inhibition of the exophthalmic factor by antithyroid agents. E. E. Adamova, L. N. Binkovskaya, V. M. Dzhurina. Biol. eksp. biol. i med. 63 no. 1:16-18 Ja '67

Subtotal strabismic myopia in thyrotoxicosis and malignant exophthalmos. I. A. Shchegolev. Pribl. med. i biol. 6 no. 6:72-75 N-D '61

EXPECTORANTS

Inhalation of penicillin aerosols combined with the action of certain expectorants and diuretics in an experiment. P. S. Korkov. Zhur. vish. i med. i biol. 10 no. 1:44-46 N-D '59

EXPECTORANTS

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## FARMS—VALUATION

(see also subdivision under Moldavia)  
Land valuation in city planning. M. V. V. P. 1967  
no. 2 88-89 P 167

**FASCISM** see subdivision under Germany, West

## FASTENINGS

Attaching conveyor belts to reinforced concrete gallery floor. A. Kazanin. Prom. stroit. inzh. soob. 8 no. 6 7-8 N-D '66.

Method of determining depth for embedding anchor bolts for foundations under machinery. I. A. Klenov. Stroi. mash. no. 56 195-216 '66.

## FAT METABOLISM

Fat-mobilizing activity of adiposin, lipocane and prolactin following separate and combined administration. G. T. Pavlov. Probl. endok. i gorm. 8 no. 6 31-33 N-D '62.

## FATHER-SEPARATED CHILDREN

A human being named Valerka. A. Matkina. Sem. in zhukla. 21 no. 7 23-23 JI '66.

## FATIGUE

Changes in the intensity of lighting as a factor increasing the working capacity in man. I. M. Chumilovskaya. Fiziol. zhur. 52 no. 11 1312-1339 N '66.

## FATIGUE, MENTAL

Mental stress and mental disorders, from data of foreign literature. M. Rogovin. Zhur. nev. i psih. 62 no. 11 1731-1740 '62.

## FATIGUE TESTING MACHINES

Unit for testing materials for impact fatigue. M. G. Lozhnik. Tekh. i org. proizv. no. 6 117-118 N-D '66.

## FATTY ACID METABOLISM

Effect of cottonseed oil and lamb fat, subjected to thermal processing, on polyunsaturated fatty acid level in blood and liver of laboratory animals. N. G. Popova, L. R. Los'eva, M. N. Ismailov. Vop. pit. 25 no. 6 11-17 N '66.

**FATTY ACIDS** see Acids, Fatty

## FAULTS (GEOLOGY)

(see also subdivision under Antarctic regions; Donetsk Basin)

Role of the fractural tectonics in the relief formation in Krasnodarsky region of the Greater Caucasus. V. A. Rastvorova. Bnt. MOIP Otd. geol. 36 no. 3 32-37 M-Je '61.

Role of the irregular rotation of the earth on the formation of planetary deep faults in the earth's crust. M. V. Stovass. Geol. zhur. 21 no. 2 13-25 '61.

## FAVORSKII, VLADIMIR ANDREEVICH, 1886-1964

Favorskii, V. A. [About artists, creative work, and books.] Otkrytozhivka, o tvorchestve, o knige. [Moskva] Molodaya gvardiya 1966. 125 p. illus.

## FECES—ANALYSIS

Comparative evaluation of different methods to determine steatorrhea in chronic enterocolitis. K. M. Proskakov and others. Sov. med. 29 no. 11 107-110 N '66.

## FEDIN, KONSTANTIN ALEKSANDROVICH, 1892-

The fate of humanism. M. Kuznetsov. Nov. mir. 38 no. 10 217-230 O '62.

## FEDOROV, ALEKSANDR ALEKSANDROVICH, 1908-

Aleksandr Aleksandrovich Fedorov, his 60th birthday and 40 years of scientific activity. L. T. Vasil'chenko. Bot. zhur. 51 no. 12 1803-1811 D '66.

## FEDOROV, VASILII SERGEEVICH, 1903-1966

Vasilii Sergeevich Fedorov; obituary. Neftianik. 11 no. 9 49 S '66.

## FEDOROV, VLADIMIR

Assaulting Parnassus. M. Roshchin. Nov. mir. 42 no. 7 253-256 JI '66.

**FEEDBLEMINDEDNESS** see Mental deficiency

## FEED GRINDERS

Estimation of the effectiveness of chopping machines and the quality of the product. V. A. Spol'saev, A. E. Lipatov. Vest. sel'khoz. nauk. 11 no. 11 91-96 '68.

## FEED INDUSTRY

(see also subdivision under Orenburg)

Production of combined feeds in capitalist countries. V. Pyskin, D. Skverchak, L. Romanov. Zakup. sel'khoz. prod. no. 11 51-54 N '66.

## FEED INDUSTRY—EQUIPMENT AND SUPPLIES

Fuel, water, and air consumption for the production of fodder biomyces. V. M. Semernia, N. F. Dikii. Spirit. prom. 28 no. 3 40-42 '62.

## FEED INDUSTRY—EXHIBITIONS

For the specialists of the grain products industry. A. Blidman. Inform. bluf. VDNKII no. 12 2-3 D '66.

These hands are skillful hands. V. Igor'eva. Zakup. sel'khoz. prod. no. 12 37-40 D '66.

## FEED INDUSTRY WORKERS

These hands are skillful hands. V. Igor'eva. Zakup. sel'khoz. prod. no. 12 37-40 D '66.

## FEED MECHANISMS

Automatic control of the feed in an open-hearth furnace. V. B. Medvedevskii. Stal. 21 no. 11 1010-1011 N '61.

Determining the rated mass of vibratory feed mechanisms considering the feed mass. I. U. S. Tikhomirov. Mashinostroyeniye no. 1 18-56 Ja-T '67.

Shutting high-speed feed to working feed on grinding machines. L. A. Sukolev. V. S. Gelshteyn. Stal. i instr. 38 no. 10 10-14 Ja '67.

Speed governor of the feed mechanism drive of a boring machine. P. I. Slezinger, A. P. Khushchev, N. P. Shendrik. Stal. i instr. 38 no. 11 21-24 Ja '67.

Studying the process of feed regulation for double-acting impulse pumps. V. U. Engel'. Izv. vuz. inzh. zav. i gor. zhan. 10 no. 1 111-117 '67.

Ways of improving the operation of the feeding equipment of piglet mills. V. S. Rudoi and others. Stal. 22 no. 5, 142-145 M '62.

**FEED MILLS** see subdivision under Azerbaijan

## FEEDING

(see also subdivision under United States)

Vsesoyuznyi nauchno-issledovatel'skii institut zhivotnovodstva. [Using vitamins for raising the productivity of animal husbandry.] Ispol'zovanie vitaminov dlia povysheniya produktivnosti zhivotnovodstva. Moskva, 1966. 482 p. (DNAL)

## FEEDING—EQUIPMENT AND SUPPLIES

Characteristics of the operation of the FVK-80 conveyor. I. U. Vlasov. Tekh. v sel'khoz. 27 no. 1 27-28 '67.

The KUT-3, OB feed distributor and mixer. V. Grinberg, D. Taitan. Tekh. v sel'khoz. 26 no. 12 10-21 D '60.

Multipurpose belt conveyor. I. Arbutov. Tekh. v sel'khoz. 26 no. 12 23-25 D '66.

Role of a tripping heater in a feeder-batcher for coarse feeds. V. A. Golikov. Vest. sel'khoz. nauk. [kazakh.] 10 no. 1 86-89 Ja '67.

Technological evaluation of some systems of the mechanization of feed distribution on farms. L. I. Kropp. Dokl. TSKH no. 44 77-84 '59.

## FEEDING—TABLES, CALCULATIONS, ETC.

Simplified method for determining feed units. A. Movsisants. Vest. sel'khoz. nauk. 11 no. 12 147-148 D '66.

## FEEDS

(see also subdivision under Georgia)

Determining the output of granulated mixed feeds produced at the DG unit. D. Iysenko, V. Logvinova, V. Shevchenko. Muk. elev. prom. 33 no. 1 27-28 Ja '67.

The seven-year plan has had a good start. B. Simberg, I. Karaev. Muk. elev. prom. 26 no. 3 15-17 M '60. Shop for the fermentation of feeds. A. Krivonozhenko, I. D'ladnikov. Tekh. v sel'khoz. 27 no. 1 26-27 '67.

## FEEDS—ANALYSIS

Ozols, A. [Overall determination of the nutritive value of feeds.] Viesugla lopbarības barības vertības noteikšana. Riga, Zinatne, 1966. 61 p. [In Latvian] (DNAL)

Soil diagnosis of feeds contaminated with pathogenic fungi. G. I. Lzhov. Dokl. TSKH no. 46 109-114 '59.

## FEEDWATER

Regulation of the water level in boilers. V. Krymchanski. Tekh. v sel'khoz. 21 no. 12 47-50 D '61.

Study of the feedwater recirculation system of a once-through type boiler. Elek. sta. 37 no. 12 19-24 D '66.

Swelling of boiler feedwater of various composition. I. A. Nikolenko. Toplenergetika 7 no. 8 71-74 Ag '60.

## FEEDWATER—ANALYSIS

Methods for determining small quantities of chlorine in water. A. V. Stepanov, F. A. Fridman, T. V. Ioff. Inform. sbor. TSNIIM no. 166 Tekh. ekspl. mor. flota no. 46 185-91 '68.

## FEEDWATER HEATERS

Ways of improving the reliability of economizers on the mass-produced ships of the "Shkiper Gek" and "Sergei Bokin" types. B. S. Korandashov. Inform. sbor. TSNIIM no. 166 Tekh. ekspl. mor. flota no. 46 144-50 '68.

## FEEDWATER PURIFICATION

Methods of water preparation and treatment used on sea-going ships of foreign fleets and in stationary power engineering. A. K. Gol'denfon. Inform. sbor. TSNIIM no. 166 Tekh. ekspl. mor. flota no. 46 168-75 '66.

Studying the efficiency of water purification from corrosion products by the method of centrifugation. G. I. Alesnikov, N. N. Lipalov. Energomashinostroyeniye no. 10 10-13 O '60.

## FELDSPAR

Elementary determination and model characteristics of feldspar twins. P. K. Vovk, I. I. Shavranovskii, V. A. Maklitskiy. Min. sbor. 20 no. 1 9-15 '66.

Observations on the sequence of changes in feldspar in solid state. A. S. Mafumkin. Trudy Min. sbor. no. 12 51-61 '61.

## FELDSPAR—SPECIFICA

Studying degree of regulation of potassium sodium feldspar of granite using infrared spectroscopy. I. I. Panov, I. G. Fedorova. Zap. Vses. min. ob-va. 95 no. 6: 739-741 '66.

**FELDAE—PARASITES** see Parasites—Feldae

## FELT

Manufacture of felt from synthetic fibers. T. V. Fedotina. Nauch.-issled. trudy TSNIIShtat. no. 20 236-250 '60.

## FELTWORK

New types of finishes for wooden felt headgear. V. K. Chernikovsky. Nauch.-issled. trudy TSNIIShtat. no. 20 250-251 '60.

## FEMORAL NERVE

Changes in myotatic reflexes in X-rayed rabbits. Z. M. Gvozdkova. Radiobiologiya 2 no. 4 573-578 '62.

## FENCES

Russia (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions for the planning of fencing of facilities and lots of enterprises, buildings, and structures.] Ukazaniya po projektirovaniyu organizatsionno-territorial'noy i ukladkov predpriyatiy, zdaniy i sooruzheniy. SN 346-66. Moskva, Stroizdat, 1966. 10 p.

**FENITES** see subdivision under Vishnevaya Mountain

## FEDOSIYA—LIBRARIES AND READERS

We should struggle for each person. D. Zakharova. Bibliot. kn. 41 no. 2 21-21 I '67.

## FERGANA—LUBRICATION AND LUBRICANTS

Lubricant section of the Fergana Petroleum Refining Plant. Nauch. zhur. 3 no. 2 55 P '61.

## FERGANA VALLEY—MINERALOGY, DETERMINATIVE

Mean composition of detrital minerals in products of denudation in southern part of Fergana hinterland zone. G. M. Shvachenko. Nauch. trudy TashGU no. 234 Geol. nauki no. 20, 258-266 '61.

## FERGANA VALLEY—MOLASSE—MAPS

Methodology of large-scale facies-lithological mapping of Cenozoic molasse. I. D. Shipov, I. V. Elshchenko. Nauch. trudy TashGU no. 234 Geol. nauki no. 20 267-273 '61.

## FERMENTATION

Fermentation of molasses-and-meat mash by means of C1 acetobutylicum. L. V. Cherkasina. Spirt. prom. 28 no. 3 22-24 '62.

## FERRI SURFACES

Effect of impurity on topology of ferric surface of halite. V. I. Makarov, I. A. Volynskii. Plaz. v. rad. Zhur. ekspan. i trek. fiz. 4 no. 9 380-392 N '66.

## FERNS—THERAPEUTIC USE

Possible causes of a decrease in the toxicity of acetylcholine derivatives (acetylcholine, amino acetylcholine) when used in combination with mule fern extract. M. N. Ilyashenko. Med. paraz. i par. az. bol. 36 no. 6 712-717 N-D '66.

Treatment of taeniasis with the extract of male fern. G. A. Dashkova. Zhur. nauch. iud. SOGAM no. 10 15-157 '61.

## FERRITES see Ferrites (Magnetic Materials)

## FERRITES (MAGNETIC MATERIALS)

Calculation of surface effect in ferromagnetic bodies. V. N. Pelyushkin. Izv. AN SSSR. Energ. i transp. no. 5 51-58 N-D '66.

Dependence of additional absorption on the form of a ferrite object. I. V. Shchukin. Radiotekhnika 22 no. 1 25-52 Ja '67.

Domain structure of cobalt ferrite. E. V. Shchukin. Fiz. tverd. tel. 8 no. 11 3147-3155 N '66.

Electrolytic method of production of oxide raw materials for the manufacture of manganese zinc ferrites. B. I. Agladzo, M. N. Dzhalilov. Soob. AN Gruz. SSR 44 no. 3 619-622 D '66.

Instability of spin waves in ferrites with domain structure. E. V. Lebedeva, A. I. Pilychikov, N. S. Sodel'skiy. Fiz. tverd. tela 8 no. 11 3204-3207 N '66.

Interaction between ferrites of cobalt, nickel, and iron and iron sulfide. M. M. Zay'ulov, V. I. Simenov. Dokl. AN SSSR 172 no. 1 140-152 Ja '67.

Mixed cadmium ferrites of spinel structure. M. M. Mirzakhaniy, T. I. Kakhadze, L. P. Gvishiani. Soob. AN Gruz. SSR 44 no. 3 557-561 D '66.

Prospects of using printed assembly in automatic metrological stations on basis of strengthened ferrite modulus. T. V. Romanov. Trudy GGO no. 109 136-143 '66.

## FERRITES (MAGNETIC MATERIALS) (Continued)

Study of ferrite powders obtained in the thermal treatment of solid mixtures. A. E. Gribshin and others. *Ukr. Khim. zhur.* 32 no. 11:1239-1242 '66

Studying magnetic resistance of oriented hexagonal ferrites. L. I. Kozoleva. *Fiz. met. i metalloved.* 22 no. 1:574-579 O '66

Ligand on a stretching diode and ferrite with rectangular hysteresis loops. M. P. Melchuk, I. V. Melchukina. *Trudy GGO* no. 199:111-112 '66

X-ray diffraction and microstructure study of phase relations in the formation of barium cobalt hexaferrite. M. G. Pech, M. A. Vinnik, A. I. Agapovskaya, N. N. Smolova. *Zhur. neorg. khim.* 12 no. 1:38-43 Ja '67

## FERRITES (MAGNETIC MATERIALS)—ELECTRO-MAGNETIC PROPERTIES

Barium spinel, electro-magnetic and plasma waves in ferrites. M. A. Savchenko, K. N. Stepanov. *Fiz. met. i metalloved.* 22 no. 1:198-205 O '66

Effect of heat treatment on magnetocrystallographic anisotropy and losses on rotating hysteresis in lithium pentaferrite single crystals. A. I. Dzhuk and others. *Fiz. tver. tela* 8 no. 11:1363-1365 N '66

## FERRITES (MAGNETIC MATERIALS)—THERMAL PROPERTIES

Low-temperature anomaly in absorption spectra of RbMnF<sub>3</sub> and K<sub>2</sub>MnF<sub>3</sub> antiferromagnets. A. P. Antonov, A. I. Bellaeva, V. V. Frenenko. *Fiz. tver. tela* 8 no. 11:3397-3400 N '66

## FERROCENE

Aminomethylation of ethylferrocene. L. S. Shilovtseva and others. *Izv. AN SSSR, Ser. khim.* no. 12:2239-2240 '66

Determination of rate constants of reactions of ferrocene and its derivatives with peroxide radicals. L. M. Fostukov, E. M. Tschina, V. I. Shlapintokh. *Dokl. AN SSSR* 172 no. 3:611-613 Ja '67

Kinetic isotope effects in the reactions of isotope exchange of ferrocene hydrogen with acid and base. T. S. Lakshmi and others. *Izv. AN SSSR, Ser. khim.* no. 1:206-207 Ja '67

Kinetics of hydrolytic decomposition of ferrocenium cation. A. A. Pindin, M. S. Zakharovskii, P. K. Leonovskii. *Kin. kat.* 7 no. 6:1071-1077 N-D '66

Mono- and di-(N, N-dimethylaminoethyl) methylferrocenes. A. N. Nemesianov and others. *Izv. AN SSSR Ser. khim.* no. 1:171-175 Ja '67

Synthesis of di- and trisubstituted ferrocenes via mono- and di-(N, N-dimethylaminoethyl) ethylferrocenes. A. N. Nemesianov, T. G. Peisyalova, L. S. Shilovtseva. *Izv. AN SSSR, Ser. khim.* no. 1:167-169 Ja '67

## FERROCYANIDES

Effect of temperature on the kinetics of the extraction of mixed colloidal heavy metal ferrocyanides with gelatin from sulfuric acid in aqueous solution. I. D. Sklyar, S. G. Mokushin. *Koll. zhur.* 23 no. 1:101-105 My-Je '61

## FERROELECTRIC CRYSTALS

Method of studying dynamic nonlinearity of ferroelectric crystals in super-high-frequency fields. I. V. Ivanov, N. A. Mosozov. *Fiz. tver. tela* 8 no. 11:3218-3225 N '66

## FERROELECTRIC CRYSTALS—TESTING

A simple cryostat for studying the electromechanical properties of crystals. A. V. Matsekin, L. A. Shvachov. *Izv. vys. ucheb. zav. fiz.* 9 no. 6:115-118 '66

## FERROMAGNETIC RESONANCE

Angular dependence of ferromagnetic resonance frequency in abnormally oriented plane of cubic crystals. I. U. M. Iakovlev, I. U. N. Bardin. *Fiz. tver. tela* 8 no. 11:3407-3410 N '66

Hysteresis of oscillations accompanying nonlinear ferromagnetic resonance. A. A. Tulashkin, I. A. Monov. *Fiz. tver. tela* 8 no. 11:3377-3379 N '66

Inhomogeneous resonance in ferromagnetic plates. V. V. Gann. *Fiz. tver. tela* 8 no. 11:3167-3172 N '66

Observability of ferromagnetic resonance at low frequencies. V. P. Lukomskii. *Fiz. tver. tela* 8 no. 11:3400-3402 N '66

## FERROMAGNETIC SUBSTANCES

Dependence of S<sub>g</sub> magnetic viscosity coefficient on characteristics of ferromagnetic grains. V. A. Zhilina, L. V. Kolesnikov. *Izv. AN SSSR, Ser. khim.* no. 11:122-127 '66

## FERROMAGNETISM

Cross section of slow polarized neutron scattering in uniaxial ferromagnetic materials. E. V. Zorochentsev, V. A. Popov. *Fiz. met. i metalloved.* 22 no. 4:487-497 O '66

Magnetic and electric properties of iron gadolinium films. A. A. Nedel'ko, V. A. Butovskii. *Izv. vys. ucheb. zav. fiz.* 9 no. 6:155-158 '66

Possible mechanism of magnetic polarity reversal in ferromagnetic materials. A. I. Mitsak. *Fiz. met. i metalloved.* 22 no. 4:481-486 O '66

Sensitive ferromagnetic probe magnetometer. M. A. Vedenov and others. *Defektoskopia* 2 no. 5:60-69 '66

Temperature behavior of "antiferromagnetic" majority spin in a ferromagnetic matrix. I. U. A. Ponomarev, M. V. Medvedev. *Fiz. met. i metalloved.* 22 no. 4:306-313 O '66

## FERROMANGANESE—METALLURGY

Production and use of fused manganese smelter. E. P. Lytkov and others. *Stal* 22 no. 5:391-397 My '62

## FERSMAN, ALEKSANDR EVGEN'EVICH, 1883-1945

An outstanding scientist. I. Zakhin. *Nov. mir* 12 no. 7:267-271 Ji '66

## FERTILITY

Fecundity of *Pelecus cultratus* (L.) in Rybinsk Reservoir. V. M. Volodin. *Trudy Inst. biol. vnutr. vod.* no. 10:9-20 '66

## FERTILIZATION OF PLANTS

Fertilization of eggplant (*Solanum melongena*). S. G. Mikhailov. *Bot. zhur. Azerb.* 19 no. 10:34-42 O '66

More about a possible biological function of acetates. F. N. Gerasimova-Navashina. *Bot. zhur.* 51 no. 12:1718-1730 D '66

## FERTILIZER SPREADERS

Machines for the placement of dustlike fertilizers. G. P. Varlamov and others. *Trakt. i sel'khoz. mash.* no. 1:23-25 Ja '67

Placement of fertilizers in layers during plowing. V. Kashutin. *Tekhn. v sel'khoz.* 26 no. 12:16-18 D '66

## FERTILIZERS AND MANURES

(see also subdivision under Germany, East; Tatar A. S. S. R.)

Change in the physical and mechanical characteristics of mineral fertilizers during their application. A. M. Shekhtakov. *Khim. v sel'khoz.* 5 no. 1:11-18 Ja '67

Contribution of scientists to production. A. Ugarov. *Zemledelie* 29 no. 1:68-71 Ja '67

Dates and methods for the placement of fertilizers in soil. P. A. Dmitriyenko. *Agroklimat* no. 1:11-51 Ja '67

Distribution of fertilizers. N. Vainberg. *Zemledelie* 29 no. 1:43-44 Ja '67

Effectiveness of vermiculite as magnesium fertilizer. O. V. Neugodova. *Agroklimat* no. 1:117-122 Ja '67

Increasing the resistance of plants to diseases by means of using various forms of mineral fertilizers. G. A. Trunov. *Trudy KISKII* 56:11-10 '66

Krytskiy, L. [Mineral fertilizers and peat bogs] *Mineral'naya umasheniya i tarifikatsiya*. Minsk, Uzadzhai, 1965. 36 p. (Kompleksnaya mekhanizatsiya na pal'i i fermy) (DNL)

Pajupuu, Herbert. [Efficiency of the production and use of peat fertilizers in the Estonian S. S. R.] *Tuutavastiste tootmise ja kasutamise majanduslikust efektiivsusest Eesti NSV-s*. Tallinn, Valgus, 1966. 88 p. [In Estonian] (DNL)

Pannikov, V. D. [Knowledge of soil and plant requirements as the basis of the efficient use of fertilizers, from practices in agriculture of the German Democratic Republic] *Znanie pochy i potrobnosti dastenit-osnova ratsional'nogo primeneniya udobreniy iz opyta sel'skogo khozaystva GDR*. Moskva, 1966. 65 p. (Sel'skokhozyaistvennaya nauka i praktika za rubezhom, 14) (DNL)

Poisonous chemicals in mixture with fertilizers. S. I. Harkin, L. Trofimova. *Zashch. rast.* 12 no. 1:50 '67

The possibility of increasing the production of lime and dolomite fertilizers for agriculture. N. V. Smirnov. *Stroim. mat.* 7 no. 11:20-22 N '61

Preparation of polymeric fertilizers from industry wastes. S. N. Gura, R. I. Braginskaya, S. I. Kaputova. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 9 no. 5:782-784 '66

Production of fertilizers. I. Mal'mistev. *Tekhn. v sel'khoz* 21 no. 12:7-8 D '61

Vol'kovich, S. I. [Development of the production of mineral fertilizers] *Proyektirovaniye proizvodstva mineral'nykh udobreniy*. Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike. V Seriya: Sel'skoe khozaystvo, 2)

## FERTILIZERS AND MANURES—ANALYSIS

Qualitative analysis of mineral fertilizers in their acid phase. P. I. Voskresenskiy. *Khim. v sel'khoz* 5 no. 1:10-22 Ja '67

## FERTILIZERS AND MANURES—HANDLING

Selecting efficient machinery systems for the preparation of mineral fertilizers for placement. A. M. Borisov, M. N. Fateev, N. D. Stupa. *Trakt. i sel'khoz. mash.* no. 1:34-36 Ja '67

## FERTILIZERS AND MANURES—PRESERVATION AND STORAGE

(see also subdivision under China)

## FERTILIZERS AND MANURES—RESEARCH

Geographical regularity of the effectiveness of mineral fertilizers in the U. S. S. R. P. G. Naidin. *Agroklimat* no. 1:24-40 Ja '67

## FERTILIZERS AND MANURES—STORAGE

Efficient capacity of yards for storing mineral fertilizers. V. P. Alferov. *Khim. v sel'khoz* 5 no. 1:63-66 Ja '67

## FERTILIZERS AND MANURES—TRANSPORTATION

Motor trucks used for fertilizer haulage. G. Rybakov. *Avi. transp.* 45 no. 1:23-21 Ja '67

## FETUS

Gene transfer function of fetal hemoglobin in the presence of dithionite. T. V. Stepanova. *Bull. eksp. biol. med.* 63 no. 1:48-50 Ja '67

## FETUS, EFFECT OF RADIATION ON

Mobility of nervous processes in dogs of different ages irradiated antenatally with ionizing radiation. M. G. Anisimov. *Zhur. vys. neirofiziol.* 12 no. 6:1055-1061 N-D '62

## FEUDALISM

(see subdivision under Europe, Western)

## FEUERBACH, LUDWIG ANDREAS, 1804-1872

Connection between anthropology and sensualism in L. Feuerbach's philosophy. K. N. Ljubutin. *Nauch. dokl. v s. shkol. filoz. nauk* 4 no. 1:126-133 '61

## FEVER

Characteristics of fibrin reaction in chronic fibrocavernous pulmonary tuberculosis. E. N. Kur'yanova-Manchenko. *Trudy LPMI* 37:111-117 '65

Physiological mechanisms of chemical heat regulation in the development of fever. F. A. Shevel'ko. *Fiziol. zhur.* 52 no. 11:1350-1367 N '66

## FIBER SPACES

Deformations of holomorphic vector fiber bundles over the Riemannian sphere. I. T. Donin. *Mat. sbor.* 71 no. 1:495-502 D '66

## FIBERBOARD

Substituting wood fiberboard for waterproof paperboard. N. A. Makhne. *Stroim. mat.* 37 no. 5:10 My '62

## FIBERS

Determination of the length of flax fibers. V. V. Gorodov. *Nauch. i issl. trudy TSNILV* 22:153-159 '66

## FIBRIN

Presence of fibrin-stabilizing factor in erythrocytes. V. P. Balashin, Zh. Rukzenkova, S. S. Kinychev. *Bull. eksp. biol. i med.* 63 no. 1:13-15 Ja '67

## FIBRINOGEN

Comparative data of the coagulogram and fibrinogen in the plasma of venous blood and bone marrow in donors. I. A. I. Kaidashova. *Arkh. med. zhur.* 41 no. 12:20-22 D '66

Distribution of <sup>131</sup>I-labeled fibrinogen in organs and tissues of mice with transplanted tumors. N. V. Gasperovich. *Med. rad.* 11 no. 12:58-59 D '66

Estimating the amount of fibrinogen in the blood of erythremia patients by the erythremic index. M. S. Macha-heli. *Sov. AN Gruz. SSR* 26 no. 6:755-761 Je '61

## FIBRINOLYSIS

Effect of nicotinic acid on the fibrinolytic activity of the blood in atherosclerosis. M. G. Shershevskii. *Kardiologiya* 3 no. 1:61-68 Jan.-F '63

## FIBROIN

Nucleotide composition of RNA in fibroin section of silkworm gland. P. Kuliyev, N. V. Burukova, O. N. Mamed-nilarov. *Izv. AN Turk. SSR, Ser. biol. nauk* no. 5:49-52 '66

## FICTION, AUTOBIOGRAPHIC

Today on yesterday, memoirs and our times. V. Kardin. *Vop. lit.* 5 no. 9:37-57 S '61

## FIELD AND MOUNTAIN ARTILLERY

(see Artillery, Field and mountain)

## FIELD CROPS

[Agriculture abroad: Plant culture] *Sel'khoz. za rub. Rast.* no. 7 Ji '66

Make better use of resources. V. Kondrat'ev. *Zemledelie* 29 no. 1:45 Ja '67

## FIELD EMISSION

Field emission from metals with nonmetallic coatings. N. V. Milesukhina, I. L. Sokol'skaya. *Fiz. tver. tela* 8 no. 11:3103-3166 N '66

## FIELD MICE

(see subdivision under Volga Valley)

## FIELD MICE—PARASITES

(see Parasites—Field mice)

## FIELD THEORY

Field theory in a space of constant curvature. D. F. Kurdgelidze. *Vest. Mosk. un. Ser. 3: Fiz., astr.* 21 no. 6:190-93 N-D '66

Method of a modified self-consistent field in the theory of liquids and gases. I. P. Bazarov. *Vest. Mosk. un. Ser. 3: Fiz., astr.* 21 no. 6:25-32 N-D '66



## FIGHTER PLANES—PILOTING

- About young people, the first class and the barriers  
V. K. Akv. Av. kosm. no. 127-29 Ja '67
- In special cases R. Volodarskii and others. Av. kosm.  
no. 130-33 Ja '67
- With a fighter plane in the night sky N. Zotov. Av.  
kosm. no. 122-26 Ja '67

## FILARIA AND FILARIASIS

- Studying the filariae, parasites of fur seals. S. L.  
Dehnamura, S. Z. Duboviy, A. S. Serbabin. Izv. Krym.  
old Geog. ob-va. no. 6 199-200 '61.

## FILIPOVIC, FILIP

- New data on the early revolutionary activity of Filip  
Filipovic, M. M. Sumarokova. Sov. slav. no. 155-59  
'67.

## FILMS (CHEMISTRY)

- Kinetics of evaporation of liquid drops covered with an  
insoluble film of foreign substance [with summary, in  
English]. B. V. Derjagin, S. P. Bakanov, Iu. S. Kuigin.  
Koll. zhur. 23 no. 3 262-271 My-Je '61.
- Structure of oxide films produced by bombarding with an  
electron surface with oxygen ions. P. V. Pavlov, E. V.  
Shutova. Dokl. AN SSSR 172 no. 3 588-590 Ja '67.
- Synthetic films in the food industry. V. Khankhal'tan.  
Prom. Arm. 4 no. 119-10 '66.

## FILTER THEORY

- Automatic phase frequency control system with a phase  
shifter in the feedback circuit. V. P. Sizov, Radio-  
tekhnika 22 no. 132-36 Ja '67.

## FILTERS AND FILTRATION

- Detonation on "Atlas" filters. R. A. Tepilit'skaya,  
Z. M. Dashkurtseva. Bum. prom. no. 12-13 Ja '67.
- Effect of freezing on the properties of metal hydroxide  
coagulants. Part 3. Effect of electrolytes on the change  
of particle size of iron hydroxide and on the rate of  
filtration [with summary in English]. V. L. Zolotarev,  
V. V. Vol'fkin. Koll. zhur. 23 no. 3 275-280 My-Je  
'61.
- Effect of the conditions of acid purification on the  
filtrability of catalyzed oil in the purification of the  
MK-22 aviation oil. A. M. Kuliev and others. Shor. trud.  
AZ NN NP no. 3 181-193 '58
- Effect of the conditions of catalytic purification on the  
filtrability of catalyzed oil, and ways for improving  
its filterability. A. M. Kuliev and others. Shor. trud.  
AZ NN NP no. 3 194-208 '58
- Filters from glass plastic pipes. V. M. Gavrilov, V. S.  
Alekseev. Vod. i san. tekhn. no. 1116-18 N '66.
- Filtration of a suspension of trioleane. N. A. Morozov,  
E. V. Reutova, V. V. Suvorov. Plast. massy no. 168
- Filtration of diesel fuels. L. A. Emel'yanov, Eniggo-  
mashtinostnoye 6 no. 0:39-40 S '60.
- Gas filtration method for studying external metabolites in  
marine unicellular alga cultures. Z. P. Burakova, K. M.  
Khalilov, L. A. Lenskaya. Gidrobiol. zhurn. 2 no. 6:26-  
34 '66.
- Law of viscoplastic body filtration through a porous  
medium [with summary in English]. A. M. Gutkin.  
Koll. zhur. 23 no. 3 350-351 My-Je '61.
- Noncloth filters for purifying white petroleum products.  
K. V. Rybakov. Transp. i khran. nefti i nefteprod. no. 11  
25-29 '66
- Sectional filter for pouring petroleum from tank cars.  
I. B. Kheifets. Nef. i gaz. prom. no. 5:40-50 S-O '66.
- Use of filter fabrics made from synthetic fibers. V. A.  
Zambravskii. Sakh. prom. 41 no. 1:18-21 Ja '67.
- Use of perlite for the filtration of refinery's alyups. N. M.  
Fedotov. Sakh. prom. 41 no. 127-28 Ja '67.

## FINANCE

- (see also subdivision under Bryanak Province;  
Communist countries; Czechoslovakia; Estonia;  
Uzbekistan)

- In the Collegium of the Ministry of Finance of the  
U.S.S.R. Fin. SSSR 40 no. 12:80-90 D '66.
- Methodological instructions on transferring enterprise  
combinates, and branches of industry to the new system  
of planning and economic stimulation. Fin. SSSR 41  
no. 1:71-96 Ja '67.
- [Plan, business accounting, incentives] Plan, khozras-  
chet, stimuly. Moskva, Ekonomika, 1968. 356 p.
- Year of labor exploits. Fin. SSSR 10 no. 12:13-6 D '66.

## FINANCE—LAW

- Problems in international financial law. M. Weralski,  
T. Nagy, N. Vachev. Sov. gos. i pravo no. 1:63-68  
Ja '67.

## FINANCE—PROBLEMS, EXERCISES, ETC.

- Gordienko, A. S., and I. O. Lelvi. [Collection of problems  
on financing and issuing credit to state commerce] Shor-  
nik zadach po finansirovaniu i kreditovaniu gosudar-  
stvennoi torgovli. Kiev, Tekhnika, 1965. 180 p.

## FINANCE—STUDY AND TEACHING

- (see also subdivision under Moscow)
- Improve the training of specialists in finance and credit.  
G. Tsizil. Fin. SSSR 40 no. 12:21-27 D '66.

## FINANCIAL EMPLOYEES

- (see also subdivision under Kainin Province)
- In the Collegium of the Ministry of Finance of the U.S.S.R.  
Fin. SSSR 41 no. 1:59-70 Ja '67.

## FINANCIAL STATEMENTS

- Balance sheets of Soviet enterprises. N. Veit'sman.  
Bukh. zhurn. no. 12:25-31 D '66.

## FINISHES AND FINISHING

- Recent developments in the finishing of leather soles.  
P. M. Shabacov. Kozh. obuv. prom. 8 no. 11:30-31  
N '66

## FINLAND—FOREIGN RELATIONS—RUSSIA

- Effective coalition, letters from Helsinki. D. Ershov,  
No. vsem. 25 no. 5:16-17 Ja '67.

## FINLAND—POLITICS AND GOVERNMENT

- Effective coalition, letters from Helsinki. D. Ershov.  
Nov. vrem. 25 no. 5:16-17 Ja '67.

- FINN, KONSTANTIN, pseud. see Khalin, Konstantin  
Lakovtsevich, 1901-

## FINNO-UGRIANS

- At the sources of the ethnic history of the Finno-Ugrian  
tribes. P. N. Tichonov. Sov. etn. no. 2:76-83 Mt-  
Ap '61.

## FIRE PREVENTION

- Dogdanovich, F. A. [Fundamentals of fire prevention in  
the pest industry] Osnovy protivopozharnoi tekhniki v  
toftianoi promyshlennosti. Minsk, Vysshaya shkola,  
1963. 108 p.

### [MICROFILM]

- Strizhevskii, I. I., and V. F. Zakaznyy. [Industrial fire  
damping devices] Promyshlennyye ognepograditeli.  
Moskva, Khimlit, 1966. 160 p.

## FIRE PREVENTION—LAWS AND REGULATIONS

- [Standard fire safety regulations for apartment houses,  
administrative buildings, hostels, hotels, and private  
garages] Tipovye pravila pozharnoi bezopasnosti dlia  
zhilykh domov, administrativnykh zdani, obshchestven-  
nykh i individualnykh garazhei. Moskva, Stroiz-  
dat, 1966. 15 p.

## FIRE PREVENTION—TECHNOLOGICAL INNOVATIONS

- Turanov, A. V. [Efficiency promotion and inventions in  
fire prevention] Ratsionalizatsiia i izobreteniya v  
pozharnoi okhrane. Moskva, Stroizdat, 1966. 87 p.

## FIREBRICK

- Effect of certain technological factors in oxygen-blown  
converter smelting on wear of periclase-spinel  
bricks. S. I. Lifshits, V. I. Entin. Ogneuproy 31  
no. 12:17-32 D '66.
- High-density refractories for blast furnace shafts on a  
Novosibirsk kaolin base. S. A. Zhikharevich and others.  
Ogneuproy 31 no. 12:1-5 D '66.
- Using silica refractories in steel pouring ladles. V. D.  
Tsigilev, V. L. Bulakh. Ogneuproy 31 no. 12:32-34  
D '65.

## FIREBRICK—TESTING

- Preformance of periclase-spinellite brick in electric  
steel smelting furnaces. M. N. Kalicheva and others.  
Stal' 21 no. 11:992-995 N '61.

## FIRYUZA (TURKMENISTAN)—MINERAL WATERS

- Effectiveness of treating diseases of the peripheral  
nervous system with mineral water from well I-g of the  
Firyuza Pass. V. A. Kivonogova, L. N. Kaparova. Trudy  
Turk. nauch.-issl. inst. kim., kur. i fiz. metod. lech.  
8:20-25 '68.
- Mineral waters of the Firyuza Pass based on deep pro-  
spect data. A. I. Shapiro, V. A. Kivonogov, Iu. V.  
Chernikovskaya. Trudy Turk. nauch.-issl. inst. kim.,  
kur. i fiz. metod. lech. 8:13-19 '68.

## FISH, CANNED

- (see also subdivision under Makhachkala)
- Changes in properties of sunflower seed oil in frying  
fish for canning. A. V. Utimova-Malova, A. A. Ver-  
shinin. Vop. pit. 25 no. 6:54-57 N-D '66.
- Mechanized assembly line for canning salt (spiced) small  
fish glass containers. V. Fisk. Ryb. khoz. 43 no. 1:  
60-70 '67.
- Method of canning food, for example, meat and fish.  
A. I. Barmash, T. N. Polutnev. Shor. izobr. v ryb. prom.  
za 1961 g. 10-41.

## FISH, FROZEN

- Device for cooling fish on fishing ships. S. I. A. Mekeni-  
teki and others. Shor. izobr. v ryb. prom. za 1961 g. 149-  
50.
- Some technological problems of keeping fish in refriger-  
ated seawater. A. I. Piskarev and others. Ryb. khoz.  
43 no. 1:60-62 '67.

## FISH, SALT

- Method of dry salting of fish, for example, herring. K. K.  
Bude, B. I. Shilimovich. Shor. izobr. v ryb. prom. za  
1961 g. 133-34.

## FISH CULTURE

- (see also subdivision under Gorkiy Reservoir)
- Kukhar', I. I., and others. [Fish farm] Rybovodnaya  
ferma. Moskva, Kolos, 1966. 77 p.

## FISH CULTURE—EQUIPMENT AND SUPPLIES

- Device for remote delivery of tagged fish into a body of  
water. A. I. Goshchevskii. Shor. izobr. v ryb. prom. za  
1961 g. 14-6.
- Method of mixing fish eggs in the process of their fertil-  
ization in the Wells apparatus. A. V. Kurnetov. Shor.  
izobr. v ryb. prom. za 1961 g. 13-1.

## FISH FILLETS

- Fish filets from smoked cutfish. Iu. M. Duntlov. Ryb.  
khoz. 43 no. 1:63-65 '67.

## FISH INTRODUCTION see subdivision under Karelin

## FISH POPULATIONS see subdivision under Kuybyshev

- Reservoir, Rybnik Reservoir, Volga Reservoir

## FISH PROCESSING PLANTS—EQUIPMENT AND SUPPLIES

- Device added to a fish sorting machine. N. N. Antipov.  
Shor. izobr. v ryb. prom. za 1961 g. 130
- Device for glazing fish and other products in blocks.  
S. I. A. Mekenteiki, A. L. Nitochkin, E. A. Poyzina. Shor.  
izobr. v ryb. prom. za 1961 g. 18-10

- Machine for dressing fish, for example, goby. I. A.  
Kochkin. Shor. izobr. v ryb. prom. za 1961 g. 134-37

- Mechanized assembly line for canning salt (spiced) small  
fish glass containers. V. Fisk. Ryb. khoz. 43 no. 1:  
60-70 '67.

- Method of dressing fish. I. A. Kochkin. Shor. izobr. v  
ryb. prom. za 1961 g. 41

- Method of separating the heads of salmon and a device for  
it. N. P. Chernigin, P. N. Polarkov. Shor. izobr. v ryb.  
prom. za 1961 g. 41-43

## FISH TAGGING

- Device for remote delivery of tagged fish into a body of  
water. A. I. Goshchevskii. Shor. izobr. v ryb. prom. za  
1961 g. 14-6.

- Method of placing a tag on fish. A. I. Goshchevskii.  
Shor. izobr. v ryb. prom. za 1961 g. 17

- Results of bream tagging in Gorkiy Reservoir. A. G.  
Poddubnyi, Trudy inst. biol. vnutr. vod. no. 10:211-212  
'66.

- Results of bream tagging in Kuybyshev Reservoir. I. V.  
Sharonov. Trudy inst. biol. vnutr. vod. no. 10:256-260  
'66.

- Survival of tagged fish and preservation of tags. A. G.  
Poddubnyi, L. K. Il'ina. Trudy inst. biol. vnutr. vod.  
no. 10:267-271 '66

## FISHERIES

- (see also subdivision under Atlantic Ocean;  
Azerbaijan; Black Sea Reservoir; Europe, Western;  
Kalinograd Province; Kamchatka; Latvia; Odessa  
District; Poipus, Lake; Pskov, Lake; Ukraine)
- Fish stock and distribution in world ocean. G. V. Matve-  
sen. Trudy VNIRO 60:115-121 '66.

- Fishing results in open reaches of reservoirs by fish. I. A.  
G. Poddubnyi, N. A. Gorkov. Trudy inst. biol.  
vnutr. vod. no. 10:229-241 '66.

- Year of the October anniversary. A. Ishkov. Ryb. khoz.  
43 no. 1:2-5 '67.

- FISHERIES—ECONOMIC ASPECTS see subdivision  
under Soviet Far East

## FISHERIES—RESEARCH

- (see also subdivision under Black Sea region)
- Foreword. Trudy VNIRO 60:6-10 '66.

## FISHERMEN see subdivision under Senegal

## FISHERY LAW AND LEGISLATION

- List of basic international agreements on problems of  
fisheries. S. G. Fedorov. Ryb. khoz. 43 no. 1:91 '65  
'67.

## FISHERY PRODUCTS

- Structural and mechanical properties of fish stuffing and  
paste. I. P. Ievanidov. Ryb. khoz. 43 no. 1:68 '67.

## FISHERY PRODUCTS—CONTAINERS

- New economic containers and packing materials for  
fishery products. A. G. Gaziev. Ryb. prom. no. 53:15-  
60 '66.

- FISHES see subdivision under Barents Sea; Caspian  
Sea; Indian Ocean; Kuybyshev Reservoir; Rybnik  
Reservoir; Syr Darya; Tiliis Reservoir

## FISHES—BEHAVIOR

- Some physiological problems of schooling behavior in  
fish. G. A. Malukina. Trudy VNIRO 60:201-211 '66.
- Some problems of fish behavior. M. P. Arenov. Trudy  
VNIRO 60:160-169 '66.

## FISHES—DISEASES AND PESTS

- Methods of determining time of asphyxia in fish. A. V.  
Fotiev. Trudy inst. biol. vnutr. vod. no. 10:341-343  
'66.

## FISHES—EGGS

- Devouring eggs of phytophilous fishes by predators in natural spawning grounds of Rybinsk Reservoir. L. I. Ilina. Trudy Inst. biol. vnutr. vod. no. 10 19-50 '66.
- New device for counting eggs of fishes and aquatic invertebrates. A. G. Poddubnyi, G. I. A. Ivanova, V. M. Volodina. Trudy Inst. biol. vnutr. vod. no. 10 316-346 '66.
- State of spawning stock and fish reproduction in Cherechskan and Sarskan Bays of Kuybyshev Reservoir. V. M. Chikova. Trudy Inst. biol. vnutr. vod. no. 10 29-45 '66.

## FISHES—EMBRYOLOGY see Embryology—Fishes

## FISHES—FOOD

- (see also subdivision under Rybinsk Reservoir; Yana River)
- Age-related and local changes in food composition of pike in Rybinsk Reservoir. M. N. Ivanova. Trudy Inst. biol. vnutr. vod. no. 10 111-118 '66.
- Change in the growth of haddock of Barents Sea in relation to food supply. N. A. Khudimov. Trudy VNIRO 40:257-270 '66.
- Determining the optimum concentration of food for bream larvae with the help of radioactive emission. L. D. A. Panov, I. U. S. Oshin. Trudy Inst. biol. vnutr. vod. no. 10 106-110 '66.
- Feeding habits of larvae of pike, bream, and perch. O. I. Kudrinskaya, G. I. Oshin, Zhur 2 no. 6 68-71 '66.
- Replacing concentrated food by aquatic vegetation in raising two-year old carp. T. A. Deeva. Ryb. prom. no. 53:3-10 '60.

## FISHES—GENETIC RESEARCH

- Determining heritability of various characters in fishes. G. A. Nennachev. Genetika no. 11:100-108 '66.

## FISHES—MIGRATION

- Parasites and migration speed of fishes, dolphins and whales. V. V. Shmelkin. Trudy VNIRO 60:27-39 '66.
- Some results of distance observations on speed of bream and pike perch movements during migration. L. E. P. Mitin. Trudy Inst. biol. vnutr. vod. no. 10 261-266 '66.

## FISHES—PARASITES see Parasites—Fishes

## FISHES—PHYSIOLOGY

- Change in fish blood composition following prolonged total starvation. L. I. Sinina. Trudy Inst. biol. vnutr. vod. no. 10:284-290 '66.
- Effect of alternating current on hematological indices in fish. B. V. Krasnitsin, L. I. Sinina. Trudy Inst. biol. vnutr. vod. no. 10 278-283 '66.
- [Morphologic and ecologic analysis of the development of fishes] Morfo-ekologicheskiy analiz razvitiya ryb. Moskva, Nauka, 1967. 212 p.
- Role of environmental aquatic factors in fish resistance to chemicals. B. A. Fleisov, V. I. Lukhtanenko. Trudy Inst. biol. vnutr. vod. no. 10:319-330 '66.
- Some physiological problems of schooling behavior in fish. G. A. Malinkina. Trudy VNIRO 60:201-213 '66.
- Variation in relationship between body and scale growth in bream, perch and pike perch in various reservoirs. L. F. Shentfinkova. Trudy Inst. biol. vnutr. vod. no. 10 163-161 '66.
- Variation in relationship between body and scale growth in local fish populations. L. F. Shentfinkova. Trudy Inst. biol. vnutr. vod. no. 10:178-181 '66.

## FISHES, FRESHWATER

- Sabanev, L. P. [Life and catching of freshwater fish. With a supplement of L. P. Sabanev's "Fishing calendar"] Zhitn' i lovlia prianovodnykh ryb s prilozheniem "Rybolovnogo kalendaria" L. P. Sabaneva. 3. izd. Kiev, Urozhai, 1965. 687 p.

## FISHING

- Characteristics of time dynamics in fishing. V. N. Zhokhov. Ryb. khoz. 43 no. 161-63 '67.
- A family sport? Fishing. V. Vasil'ev. Sem'ia i shkola 21 no. 7:53-51 '66.
- Fishing in July. G. Sazonov. Sem'ia i shkola 21 no. 7: 13-11 '66.

## FISHING—EQUIPMENT AND SUPPLIES

- Device for connecting drift net buoy line and lead line with an automatic disconnection. S. S. Tolban, S. I. Pokulok. Sborn. izobrazh. v ryb. prom. za 1961 g. 117-10.
- Device for signalling the presence of fish in nets. A. A. Shabanov. Sborn. izobrazh. v ryb. prom. za 1961 g. 116-17.
- Device for winding up the buoy line of a string set during fishing. I. V. F. Zhebenkov. Sborn. izobrazh. v ryb. prom. za 1961 g. 120-22.
- Mechine for hauling drift nets. S. S. Tolban and others. Sborn. izobrazh. v ryb. prom. za 1961 g. 111-12.
- Net shaking machine with horizontal arrangement of shaking ropes. I. U. F. Frolov, A. A. Charnikov. Ryb. khoz. 43 no. 1:63-65 '67.

## FISHING DOATS

- Methods of planning operations for fishing fleet. S. A. Malozova. Ryb. khoz. 43 no. 1:73-74 '67.

- Operational possibilities of floating bases standing on stern first. B. Brozhka. Ryb. khoz. 43 no. 1:45 '67.
- Optimum duration of fishing ships in oceans as related to the time of the year. M. A. Kurnetsov. Ryb. khoz. 43 no. 1:41-61 '67.
- Ship efficiency promoters. A. I. Degutiev. Ryb. khoz. 43 no. 1:46-17 '67.

## FISHING BOATS—AIR CONDITIONING

- Automatic unit for the purification and drying of air. A. G. Ionov. Sudostroenie 56 no. 12 16-18 D '66.
- Operation of the air-conditioning system of the tuna factory ship "Akht Luch". A. G. Ionov. Khok. tekhn. 43 no. 1:15-17 N '66.

## FISHING BOATS—EQUIPMENT AND SUPPLIES

- Device for cooling fish on fishing ships. S. I. A. Mekentseki and others. Sborn. izobrazh. v ryb. prom. za 1961 g. 148-50.
- Jigs for machining holes in connecting rods and bearings for head and crank bolts on boring and drilling machines. I. Klemashin. Ryb. prom. no. 53:32-37 '60.

## FISHING BOATS—MAINTENANCE AND REPAIR

- Machine for gas cutting of corrugated metal sheets in roller hammerphases. I. Klemashin. Ryb. prom. no. 53: 27-32 '60.
- Organizing incentive funds in ship repair enterprises. M. V. Gerasimov. Ryb. khoz. 43 no. 1:79-80 '67.

## FISHING BOATS—WATER SUPPLY

- Coating tanks for drinking water or freshwater with KhS-76 lacquer. I. V. Puzakov. Ryb. khoz. 43 no. 1:37 '67.
- Water consumption norms and choice of the capacity of oil filters on fishing boats. G. I. A. Lukin. Sudostroenie 56 no. 12 11-16 D '66.

## FISHING NETS

- Device for stopping a netmaking machine after a certain length of webbing is made. V. V. Boshkarev. Sborn. izobrazh. v ryb. prom. za 1961 g. 28-29.
- Fishing results in open reaches of reservoirs by ring net. A. G. Poddubnyi, N. A. Gordeev. Trudy Inst. biol. vnutr. vod. no. 10 229-241 '66.
- Net setting machine. A. V. Borisov. Sborn. izobrazh. v ryb. prom. za 1961 g. 22-28.

## FISSION PRODUCTS

- Separation of ruthenium from the sum of fission fragments. I. T. Krasnitsin, N. T. Usacheva. Radiokhimiya no. 6:709-710 '66.

## FISTULA, GASTRIC

- Clinical and anatomical characteristics of repeated operations on the stomach. I. A. Daneka. Khirurgiya 38 no. 10:30-35 N '62.

## FLAGS

- Baskakov, D. G. [Biographies of emblems, flags, and anthems of foreign countries] Biografiya gerbov, flagov, gimnov zarubezhnykh stran. Moskva, Politizdat, 1967. 150 p.

## FLAGYL—THERAPEUTIC USE

- Immediate and late results of treating trichomoniasis with flagyl. N. S. Linkovitski and others. Sov. med. 29 no. 10:96-100 N '66.

## FLAME

- Classification of dispersed carbon in diffusion flame of natural gas. A. M. TS. Butevskii. Gaz. prom. 11 no. 12 41-43 '66.

## FLASH POINT

- Flash points of synthetic and natural odorant substances, perfumes, colognes, compounds, and aromatizers. R. V. Ignatieva and others. Maslo-zhit. prom. 33 no. 1:29-32 Ja '67.

## FLAVONES

- Phytochemical study of the Russian bedstraw (Galium ruthenicum). Report No. 1. M. I. Borysov, I. U. Borysaluk, Farmatev zhur. 18 no. 3:43-47 '63.

## FLAVONES—THERAPEUTIC USE

- Clinical evaluation of the effect of hesperaphyllin in chronic diseases of the kidneys. L. R. Polianskova. Sov. med. 30 no. 1:82-86 Ja '67.

## FLAX

- (see also subdivision under White Russia)
- Determination of the length of flax fibers. V. V. Gorodov. Nauch. issled. trudy TSNILV 22:153-159 '66.
- Effect of preceding crops on the effectiveness of herbicides in oil flax fields. I. V. Sorodin, N. P. Shcherbinin. Khim. v sel' khoz. 5 no. 1:14-16 Ja '67.
- Flax as our wealth. P. G. Ostin. Inform. biul. VDNKH no. 1:27-28 Ja '67.

## FLAX—FERTILIZERS AND MANURES

- Effect of compound fertilizers on the yield and quality of the fibers of fiber flax. N. G. Gorodnii, Vest. sel'khoz. nauki 11 no. 11:45-48 '66.

## FLAX—RESEARCH

- Plenum of the section for bast fiber crops of the Department of Plant Growing and Breeding of the All-Union Academy of Agricultural Sciences. V. Voronova. Vest. sel'khoz. nauki 11 no. 12 115-147 D '66.

## FLAX INDUSTRY

- Study of efficient methods for preparing scutched flax straw for processing at flax mills. V. A. Khokhlov. L. I. A. Bratslavskaya. Nauch. issled. trudy TSNILV 22:10-38 '66.

## FLAX PROCESSING MACHINERY

- Study of some structural and technological factors in the flax scutching process. V. V. Anshkov, I. V. Mostelkova. Pakal'nits. Nauch. issled. trudy TSNILV 22:38-49 '66.

## FLAXSEED

- Synthetic liquid instead of flax oil. A. L. Ryzanovich. Tekhn. i apl. nauch. 10 no. 11:14-15 N '66.

## FLEAS

- (see also subdivision under Azerbaijan; Moldavia)
- Histological characteristics of oogenesis in Echinophaga ossianini Wagn. (Pulicidae, Aphaniptera). V. S. Vashchenok. Zool. zhur. 45 no. 12 1815-1825 '66.

## FLEXURE

- Studying lateral bending of corrugated glass plastic. V. N. Gornov. Stroitel. mekhan. i vych. soot. 9 no. 1:16-19 '67.

## FLIES see subdivision under White Russia

## FLIGHT—PHYSIOLOGICAL ASPECTS

- Interaction of analyzers during flight in airplanes and spaceships. V. V. Baranovskii, M. D. Emel'yanov, A. G. Kuznetsov. Zhur. vyzn. i issled. 12 no. 6 1001-1010 N-D '62.

## FLIGHT CREWS

- Increase the activity of trade-union organizations in carrying out the decisions of the July Plenum of the Central Committee of the CPSU. P. Vukov, Grazhd. av. 12 no. 10:1-3 O '65.

## FLIGHT ENGINEERS

- An engineer should be an engineer. V. Skubilin, A. Korzhov. Av. i kosm. no. 2 55-59 F '67.

- Strict and careful. V. Lechitov. Av. i kosm. no. 2:56-58 I '67.

## FLIGHT NAVIGATORS

- How to influence the air navigator. A. Chirnyshov. Av. i kosm. no. 2 66-68 F '67.

## FLIGHT TRAINING

- Independent training and improvement courses. Av. i kosm. no. 1:51-53 Ja '67.

- Is it only the fineness of a flight? D. F. Folemev. Av. i kosm. no. 1:73-75 Ja '67.

## FLOATING CRANES

- (see also subdivision under Moskva River)
- Elimination of structural defects of the "Bleicher". Floating cranes. A. Strakhov. Rech. transp. 20 no. 7:20-21 JI '61.
- Floating self-propelled crane for channel maintenance operations. G. V. Shkol'nikov, V. I. Savvin. Sudostroenie 27 no. 1:17-20 Ja '61.
- Modernizing the turning mechanism of the RMZ floating crane. R. Kirievskii. Rech. transp. 20 no. 7:21 JI '61.

## FLOOR COVERINGS

- New rolled materials for covering floors on an insulating base. D. P. Atrapetov, G. V. Shabanova. Stroitel. mekhan. 7 no. 12:35-36 D '61.
- Simple, of good quality, economical. I. U. Khutsev. Na stroitel. Ros. 4 no. 3:16 Mr '63.

## FLOORS

- Floors from polymers, how should they be? V. V. Tolmachev. Stroitel. mekhan. Len. 28 no. 6:22-23 Je '66.

## FLOORS, CONCRETE

- (see also subdivision under Bulgaria)
- Industrial floors for sanitation centers. I. V. Grukhin. Transp. stroit. 10 no. 3:26-27 Mr '66.
- Precast solid floors and precast balconies. P. V. Tolmachev. Gor. khoz. Mosk. 35 no. 12:15-16 D '61.

## FLotation

- (see also subdivision under Kharkov)
- Dependence of the strength of the flotation frothing action of alkylaryl sulfonates on their composition and structure. G. N. Nazarov, A. M. Okolovich. Tsvet. met. 33 no. 3:9-15 Mr '60.
- Unsulfated compounds as auxiliary adsorbents in the flotation of iron oxides. F. N. Belash, O. V. Pugina, I. K. Geimanskii. Trudy NIISZHMSSa no. 2:100-108 '61.
- Searching for correlation equations during flotation processes. E. A. Ivanov, B. I. Revazashvili. Izv. vyzn. uch. i issled. zav. i gor. zhur. 8 no. 10:143-147 '65.
- Selective flotation of the organic substance in coal. P. S. Migulia. Ugol' Ukr. 6 no. 12:16-19 D '62.



## FOOD, CONCENTRATED

Methodology of establishing progressive norms for the cattle on raw materials in the concentrated food industry. S. A. Gerasim, I. A. Ievleva, I. V. Kautskaya. *Trudy AN SSSR* 22 no. 1 28-29 Ja '67

## FOOD, CONCENTRATED—ANALYSIS

Use of lubricating and machine oil for the refractometric determination of fat in concentrates. O. I. Babicheva, V. S. Gushchen, N. F. Kirokhina. *Kons. i ov. prom.* 17 no. 3 33-35 Mr '64

## FOOD, CONCENTRATED—PACKAGING

(see also subdivision under Germany, East)

Testing polymer materials for the packaging of food concentrates. L. A. Gurova, M. I. Vasiukh, A. O. Kupina. *Kons. i ov. prom.* 21 no. 12 14-17 D '66

## FOOD, EFFECT OF RADIATION ON

Supply of some radiation-labile vitamins to monkeys kept on a diet of food subjected to gamma irradiation. H. I. Chilingier and others. *Vop. pit.* 25 no. 6, 60-65 N-D '66

## FOOD, FRIED

Device for cooling fried vegetables, fish and other products. A. S. Zhuravlevskii. *Sbort. i zh. v. i. zh. prom.* 18 1962 g. 43-46

## FOOD, FROZEN

Profitableness of frozen prepared foods. V. M. Pletnikov. *Kons. i ov. prom.* 22 no. 1 21-27 Ja '67

Use of liquid nitrogen in the freezing of food products. A. A. Golovkin, V. V. Kholodchik. 13 no. 11 55-56 N '66

## FOOD ADDITIVES—TOXICOLOGY

Materials of the 8th session of Joint Food and Agriculture Organization and World Health Organization Committee on Expertise on Toxicity of Some Food Additives. A. I. Shchelnarg. *Vop. pit.* 25 no. 6 79-81 N-D '66

## FOOD INDUSTRY

(see also subdivision under Armenia; Germany, East; Leningrad; Moldavia, Moscow, White Russia) Calculations on high government awards. *Term. i spirt. prom.* 33 no. 1 5-8 '67

On the way to an abundant supply of foodstuffs. *Khol. i zh.* 13 no. 12 1-3 D '66

Statistics of the five-year plan, production and sale of goods. B. Panfilius. *Sov. toig.* 10 no. 12 32-36 D '66

White grain flint corn as valuable raw material for the food industry. G. F. Shumakov. *Dokl. Akad. nauk SSSR* 1967 no. 9 15-18 S '66

FOOD INDUSTRY—ACCOUNTING (see subdivision under Kazakhstan)

## FOOD INDUSTRY—BY-PRODUCTS

Cattle fattening with food industry by-products is profitable. A. V. Sokolov. *Zakop. i zh. v. i. zh. prom.* 18 no. 8 21-23 Ag '66

## FOOD INDUSTRY—CONGRESSES

All-Union Conference of the Food Industry Workers, Moscow. *Tr. i zh. v. i. zh. prom.* 32 no. 11 1-6 N '66

Problems in the science of food and technology. S. I. Brovkin. *Khleb. i zh. v. i. zh. prom.* 10 no. 12 2-3 D '66

FOOD INDUSTRY—COSTS (see subdivision under Leningrad)

## FOOD INDUSTRY—EQUIPMENT AND SUPPLIES

Food Industry Workers' Day. *Khol. i zh.* 43 no. 11 1-2 N '66

Improve the quality and use of trade equipment. V. Orlov. *Sov. toig.* 10 no. 2 57-61 F '67

## FOOD INDUSTRY—EXHIBITIONS

International exhibition "Indpromash-67." *Term. i spirt. prom.* 33 no. 1 43-44 '67

## FOOD INDUSTRY—FINANCE

Take into consideration the characteristics of the branch. I. A. Gadshtein. *Plan. i zh.* 12 no. 2 50-63 F '67

## FOOD INDUSTRY—MANAGEMENT

(see also subdivision under Chikmekt)

From individual enterprises to industrial branches. S. Losev, A. Chirkova. *Sots. i zh.* 12 no. 1 35-42 Ja '67

## FOOD POISONING

Food poisoning. V. Zorin, Sem'ina i shkola 31 no. 7 60 Ji '66

## FOOD RESEARCH

(see also subdivision under Moscow)

Distilling, liqueur-vodka, brewing, and soft drink industry sections of the Scientific and Technical Society of the Food Industry. *Spirt. prom.* 28 no. 3 18 '62

## FOOD SUPPLY

V. I. Lenin about food supply. G. Filippov. *Msk. -elev. prom.* 26 no. 4 1-2 Ap '60

## FOOT—DISEASES

Susars, V. [Diseases of the foot] *Pedas slimilias*, 2., p. 184-185. Izdevums. Riga, Liesma, 1965. 65 p. (Veselības bibliotēka) [In Latvian]

(DNLM)

Prevention of epidermophytosis in swimmers without discontinuing their training in a swimming pool. A. S. Vainshteyn. *Tvor. i zh. v. i. zh. prom.* 29 no. 12 34 D '66

## FOOT—FRACTURE

Open (nongunshot) and gunshot fractures of the foot and their treatment. I. L. Kaupko, M. N. Tashator, I. U. I. Glebov. *Ost. i zh. v. i. zh. prom.* 27 no. 12 8-12 D '66

## FOOT—RADIOGRAPHY

Three cases of mycetoma of the foot; on the X-ray characteristics of osseous changes. A. M. Likovlev, A. M. Chistakov. *Vest. rent. i zh.* 11 no. 8 83-86 N-D '66

## FOOT—WOUNDS AND INJURIES

Restoration of walking ability after traumatic lesions of the foot. V. P. Zubynin. *Sbort. i zh. v. i. zh. prom.* 18 no. 10 107 '66

## FOOTWEAR (see Boots and shoes)

## FORAGE PLANTS

(see also subdivision under Ust'-Orda Bulay National Area)

Some data on the biology of the development of mixtures of honey and forage plants. V. I. Revenov. *Uch. zap. GGU* no. 50 195-207 '50

FORAGE PLANTS—FIELD EXPERIMENTS (see subdivision under Turkmenistan)

## FORAMINIFERA

Zones of Foraminifera in the world ocean. N. V. Bellasova, Kh. M. Sudova. *Prisoda* no. 1 117-118 Ja '67

## FORAMINIFERA, FOSSIL

(see also subdivision under Azerbaijan, Crimea; Karakum; Tatars; Ukraine, Western)

Classification of the family Eulimnidae. S. F. Rozovsky. *Bull. MOIP, Old geol.* 1967 no. 3 150-151 Mye '67

## FORCE AND ENERGY

Tikhon, Boris. [Use of a theorem on kinetic energy in the dynamics of a system] *Kineticheskaya teoriya sistem dunaamika*, Tallinn, Tallinna Politehniline Instituut, 1965. 30 p. [In Estonian]

FOREIGN AUTOMOBILES (see Automobiles, Foreign)

## FOREIGN EXCHANGE

(see also subdivision under Burma)

Rate of the rate of foreign exchange. F. Bystryov. *Vnesh. toig.* 16 no. 11 54-57 '66

## FOREIGN TRADE REGULATION

First decrees. G. Stepanov. *Vnesh. toig.* 16 no. 11 7-10 '66

## FOREMEN

Put potentialities in the service of production. *Nar. khoz. Kazakh.* 21 no. 12 23-26 D '66

## FORENSIC BALLISTICS

Symptoms characteristic for a close gunshot when it was fired actually from a long range. A. A. Movshovich. *Sud.-med. ekspert.* 9 no. 4 7-11 O-D '66

FORENSIC CHEMISTRY (see Chemistry, Forensic)

## FORENSIC ORATIONS

Collected forensic orations of defense counsels. K. Ostrov. *Sov. iust.* 31 no. 3 16 F '67

## FORENSIC PSYCHIATRY

Forensic psychiatric expertise in craniocerebral trauma. A. T. Piltov. *Sud.-med. ekspert.* 9 no. 4 13-18 O-D '66

Review of I. A. M. Kalashnik's book "Forensic psychiatry." A. L. Loshchinskii. *Zhur. nevro. i psikh.* 62 no. 11: 1742-1743 '62

## FOREST ECOLOGY

(see also subdivision under Siberia; Ukraine; White Russia)

Determining the mass of moss cover in the biogeocenosis of mixed hardwood and spruce forests in connection with their parallel structure. I. M. Uspenskaya. *Bot. zhur.* 61 no. 12 1706-1708 D '66

Effect of birch on the growth and productivity of spruce in plantations. A. I. Skavyskii. *Izv. v. i. zh. v. i. zh. prom.* 10 no. 6 28-31 '66

Genetic relations of oak forests of the wood-meadow-grass type with mixed oak and pine forests. A. S. Baraban-schikov. *Trudy Sar. sel'khoz. inst.* 15 no. 3 8-11 '65

Genetic relations of Solonchik type and oak forests of wood-meadow grass type. A. S. Baraban-schikov. *Trudy Sar. sel'khoz. inst.* 15 no. 3 11-14 '65

Interaction between Siberian larch and Scotch pine and spruce in forest plantations in the southeast. I. A. Fudolov. *Trudy Sar. sel'khoz. inst.* 15 no. 3 53-62 '65

Some characteristics of the seasonal development and growth of oak seedlings in the biogeocenosis of southern taiga. P. P. Liskin. *Bot. zhur.* 61 no. 12 1746-1748 D '66

Some theoretical formulations in forest typology and their use in forest management. L. B. Makhatadze. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

## FOREST FIRES—PREVENTION AND CONTROL

Surface active agents and their role in controlling forest fires. N. N. Kravtsov, V. G. Lobuzbaum. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

## FOREST INFLUENCES

(see also subdivision under Siberia)

Influence of forest belts on the water balance of soils and the yield of agricultural crops. V. I. Vazhov. *Izv. Krym. otd. Geog. ob-va* no. 6 79-87 '61

Nature of snow deposition, runoff, and soil moisture on eroded slopes under the effect of land improvement through afforestation. L. P. Dik. *Trudy Sar. sel'khoz. inst.* 15 no. 3 62-66 '65

FOREST INSECTS (see subdivision under Braslav District; Kamchatka; Kurile Islands; Magadan Province)

## FOREST MACHINERY

Mechanization of forest management operations. D. T. Kovallin. *Vest. sel'khoz. nauki* 11 no. 11 21-27 '66

Mechanized tillage intended to help the natural forest regeneration and under-forest plantations in Karelia. A. D. Volkov, M. S. Sinkevich. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

Trends in and prospects for work in the making of new machines and tools for the overall mechanization of silvicultural operations and growing of nursery stock in the zone of coniferous forests in the Leningrad part of the R. S. F. S. S. R. I. A. Fadin. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

## FOREST MANAGEMENT

Improving the methodology of current planning of forestry production in combined lumbering and forest management. I. A. Gurevich and others. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

Rate of improvement cuttings in raising the fertility of forest soils. L. K. Svetlov. *Pochvovedenie* no. 4 68-73 Ap '66

Some problems of forest management. L. N. Trofeyev. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

Topographical work in forest drainage. V. K. Konstantinov. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

FOREST MANAGEMENT—LABOR PRODUCTIVITY (see subdivision under Khabarovsk Region (Khabga Province))

## FOREST NURSERIES

Problem of crops preceding seedlings in forest nurseries. M. A. Dudov. *Trudy Sar. sel'khoz. inst.* 15 no. 3 28-32 '65

Use of almatine and nitrazine for protecting spruce and pine seedlings from weeds in nurseries. L. M. Kozlova. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

## FOREST PRODUCTS

(see also subdivision under Kirov Province)

Putting into practice the resolutions of the 22d Congress of the Communist Party of the Soviet Union. V. S. Gerasimov. *Gidroliz. i lesokhm. prom.* 15 no. 5 16-17 My '62

FOREST REPRODUCTION (see subdivision under Karelia)

## FOREST ROADS

(see also subdivision under Carpathian Mountain region)

Amplitude and frequency characteristics of the vertical vibration of logging truck trains. B. G. Gastev, N. I. Biblik. *Les. bum. i zh. v. i. zh. prom.* 33 no. 1 13-18 '66

Analytical determination of the measurements of the evenness of running and safety movement of logging truck trains. N. I. Biblik. *Les. bum. i zh. v. i. zh. prom.* 33 no. 1 13-18 '66

Use of aerial photographic surveying in searching for and designing of roads. S. V. Belov. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

## FOREST SOILS

(see also subdivision under Kashira District; Tatar A. S. S. R.; Volga Hills)

Characteristics of the structure of soda and changes in the physical properties of soils with excessive moisture after plowing. I. V. Kozlovskii. *Sbort. i zh. v. i. zh. prom.* 27 no. 2 187-193 Ag '61

Effect of birch stands on soil properties. P. P. Ragavy, I. A. S. Raptunovich. *Vest. AN BSSR Ser. biol. nauk* no. 4 52-58 '66

Genesis of the second humus horizon in gray forest soils of Kraenoyarsk Territory. F. M. Naumov. *Pochvovedenie* no. 3 58-64 Mr '60

**FOREST SOILS (Continued)**  
Regionalization of soils in the forest zone of the European part of the U.S.S.R. for purposes of engineering geology. G. M. Datsko. *Blud. MOIP, Otd. sel. 36 no. 5* 131 9-O '61.  
Role of improvement cuttings in raising the fertility of forest soils. L. K. Sidorov. *Pochvovedenie* no. 1 68-71 Ap '60.  
Role of invertebrates in the natural distribution of oak. B. M. Mamayev, D. F. Sokolov. *Pochvovedenie* no. 4 21-30 Ap '60.  
Some characteristics of the distribution of moss in brown forest soils of Georgia. T. T. Ushchadze. *Pochvovedenie* no. 1 48-58 Ja '67.

**FORESTRY RESEARCH** see subdivision under Archangel Province.

**FORESTS AND FORESTRY**  
(see also subdivision under Siberia; Soviet Central Asia, Transcaucasia)  
[Economics of forest management of the U.S.S.R.] *Ekon. i uprav. lesnogo khoz. i sel. st. pod red. P. V. Vasil'eva* 2., dop. i perel. izd. Moskva, Lesnaya promyshlennost', 1965. 378 p.  
(CS-11)  
New data on forests and forest resources in the world. I. I. Vavich. *Sborn. nauch. issl. rab. po les. khoz.* no. 6 54-68 '63.  
There are resources everywhere. V. M. Abramov, A. M. Trolanstin. *Priroda* no. 10 no. 9 10 '66.

**FORESTS AND FORESTRY—CONGRESSES**  
World forest resources, their use and reproduction, some results of the 4th World Forestry Congress. I. S. Melnikov. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 165 170 '66.

**FORESTS AND FORESTRY—MENSURATION**  
Determining the lateral surface of tree stems and total surfaces of stems in a forest stand. V. G. Iroschenich. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 41-43 '65.  
Form of spruce stems as related to stand density. V. I. Borisov. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 32-31 '66.

**FORESTS AND FORESTRY—VALUATION**  
Determining the current annual increment of an entire plantation. V. V. Antanatis. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 18-21 '65.  
Dynamics of the valuation and photo interpretation indices of plantations of the magnantherum-cambert type pine forest in the Vethuga Basin. V. I. Sukhtikh. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 22-27 '66.  
Growth of oak on grey forest soils and under shelterbelts of the Chernyy Les. A. A. Shabarov. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 35-37 '65.  
Measures for improving the precision in the valuation of forest resources. A. G. Moshkalev, A. F. Elizarov. *Sborn. nauch. issl. rab. po les. khoz.* no. 6 69-82 '63.  
Relation of the average thickness classes of logs to the height categories and thickness degrees of a stand. Z. N. Bratova, T. F. Martynikhina. *Izv. vys. ucheb. zav. les. zhur.* 9 no. 6 44-47 '65.  
Results of experimental working of test areas in establishing the cutting age of stands. L. N. Erofeev. *Sborn. nauch. issl. rab. po les. khoz.* no. 6 83-91 '63.  
Voropancov, P. V. [Lectures on forest evaluation] *Lektsii po lesnoi tsennoy. Briansk, Brianskii tekhnologicheskii in-t.*  
Pt. 3. [Evaluation of forests] Taksatsiya massiva. Book 2. 1965. 473 p.  
i vnedreniya progressivnykh zagotovok na predpriyatiakh Latvisskoi SSR, po materialam tematicheskoi vystavki. Riga, Latvisskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 23 p.

**FORGING**  
Center of deformation during finish forging. K. K. Mertens. *Trudy LPI* no. 250-93-97 '65.  
Determining stresses in upsetting a thick strip with external zones in conditions of three-dimensional forming. V. V. Erikintsev, I. A. Farnovskii, V. L. Kolmogorov. *Izv. vys. ucheb. zav. les. zhur.* no. 10 no. 1 92-97 '67.  
Distribution of normal stresses on contact surfaces during upsetting of thin bodies. P. F. Ivanushkin, V. I. Doroshko. *Izv. vys. ucheb. zav. les. zhur.* no. 10 no. 1 98-103 '67.  
Effect of the properties of steel on its suitability for cold heading. A. N. Gladikh. *Stal'* 21 no. 11 1030-1032 N '61.  
Problems of the technology of rotary forging. N. F. Zverev. *Trudy LPI* no. 260-75-81 '65.  
Surface quality and engineering properties of pressure-worked parts. I. U. G. Smelov, L. A. Bunga, A. A. Viallo. *Stan. i instr.* 38 no. 1 14-17 Ja '67.  
Using induction heating for metalworking by pressure. G. P. Kogan. *Tekhn. i org. protzv.* no. 6 56 N-D '66.

**FORGING MACHINERY**  
Vibratory press for punching shaped billets. V. N. Korotun. *Mashinostroi* no. 1 35 Ja '67.

**FORGING MACHINERY—COOLING**  
Temperature conditions in die block operations during piece shaping of large forgings. V. I. Andreev, B. K. Bobylev, B. S. Bulgakov. *Trudy LPI* no. 260 68-71 '65.

**FORGING MACHINERY—STANDARDS**  
Forging tools. G. I. Koluda. *Stand. i tech.* 30 no. 9 79 5 '68.

**FORGING MACHINERY—VIBRATION**  
Preventing vibrations in operating forging hammers. V. I. Prayda. *Mashinostroi* no. 1 30-31 Ja '67.

**FORMALDEHYDE**  
Effectiveness of stabilizers of polyformaldehyde under conditions of protected aging. B. M. Kovalevskii and others. *Priroda* no. 1 13-15 '67.  
Neutralization of residual formaldehyde in formaldehyde-killed vaccines during the preparation of polyvalent biological preparations. A. F. Mishutin, M. E. Zhila. *Vest. sel'khoz. nauki [kazakh]* 10 no. 1 13-14 Ja '67.

**FORMALDEHYDE—TOXICOLOGY**  
Formalin poisoning. A. S. Usatov. *Sud. med. ekspert* 9 no. 1 22-23 O-D '66.

**FORMIC ACID**  
Catalytic activity of semiconductors of zincblend type in the reaction of formic acid decomposition. L. G. Maldanovskaya, I. A. Kirovskaya, V. P. Balaganskaya. *Trudy IGU* 165 124-128 '65.

**FORMS, QUADRATIC**  
Fixed-sign condition of arbitrary forms of even order. V. A. Chumachenko. *Dokl. AN SSSR* 10 no. 11 621-623 N '66.  
Hankel and Toeplitz matrices and signatures of Toeplitz forms. I. S. Iokhvidov. *Ukr. mat. zhur.* 14 no. 1 25-35 '67.  
Measuring accuracy and the existence of a solution to the radioactive decay problem. A. A. Korotichuk. *Zhurnal vychisl. i mat. fiz.* 7 no. 1 218-222 Ja-I '67.  
Moments of a number of classes of purely radical quadratic forms of a negative determinant. M. B. Baban, G. G. Gorbunov. *Dokl. AN SSSR* 167 no. 2 261-269 Mi '66.  
Some remarks on the stability of a linear stochastic system. M. B. Nevel'son. *Prikl. mat. i mekh.* 40 no. 6 1124-1127 N-D '66.

**FOSSIL FORAMINIFERA** see Foraminifera, Fossil

**FOSSIL LAMELLIBRANCHIATA** see Lamellibranchiata, Fossil

**FOSSIL MOLLUSKS** see Mollusks, Fossil

**FOSSIL RHYNCHONELLIDAE** see Rhynchonellidae, Fossil

**FOSSIL VERTEBRATES** see Vertebrates, Fossil

**FOUNDATIONS**  
(see also subdivision under Leningrad)  
Basic principles of relaxation theory of consolidation and new solution for calculation of settling over time of foundation beds of structures. A. I. Ksenofontov. *Trudy MIIT* no. 240, 27-45 '66.  
Deformation and strength of clay foundation bed under rigid stamp. L. V. An. *Trudy MIIT* no. 240 46-59 '66.  
Digging foundation pits by excavating soil cores, I. March and others. *Prom. stroit. i inzh. soor.* 8 no. 6 60 N-D '66.  
Distribution of stresses and displacements in elastic layer with free surface resting on rigid foundation bed during internal action of point loads. O. I. A. Shekhter, O. D. Prikhodchenko. *Sborn. inzh. nauki* no. 5 612-35 '66.  
Driving pits involving boring frozen layers. I. U. Chubrov. *Nov. stroit. Res.* 5 no. 3 29 Kh '64.  
Engineering analysis of results of earthquake on April 26, 1966 in Tashkent. I. I. Bubis, Osh., fund. i mekh. grun. 8 no. 5 25-28 '66.  
Gorbunov-Posadov, M. I. [The present condition of the scientific fundamentals of foundation construction] *Sovetskoye sostoyaniye nauchnykh osnov fundam. stroitelstva*. Moskva, Nauka, 1967. 66 p.  
Gurevich, D. E. [Organization of substructure (preparation) operations using completely mechanized sectors, experience of the "Mosfundamentstroil" trusts Nos. 1 and 3 of the Glavmostroil] *Organizatsiya rabot podzemnogo (mulevogo) taika silami komplekso-mekhanizirovannykh uchastkov; opyt treystov "Mosfundamentstroil"* No. 1 13 Glavmostroila. Moskva, Stroizdat, 1966. 27 p.  
[MICROFILM]  
The Institute for Foundations and Underground Structures. R. V. Seretian. *Izv. ASIA* no. 3 133-134 '61.  
Organization of concreting operations in erecting the slab foundations of reduction pits. I. M. Aronovskii. *Prom. stroit.* 39 no. 12 9-12 '61.

**FOUNDATIONS—ELASTIC PROPERTIES**  
Considering method of elastic foundation beds in problems of forced vibration of plates and beams. A. S. Lys. *Sborn. nauch. issl. rab. po les. khoz.* no. 1 44-48 '62.

**FOUNDING**  
Calculating the solidification of cast iron castings. I. A. Zakharchenko, V. D. Kaban, A. A. Gorbunov. *Tekhn. i org. protzv.* no. 6 56-58 N-D '66.

**FOUNDING—PRODUCTION STANDARDS**  
Establishing consolidated norms for time spent per unit of production. R. Fikhsanova. *Sborn. nauch. issl. rab. po les. khoz.* no. 1 44-48 '62.

**FOUNDRIES—EQUIPMENT AND SUPPLIES**  
Development of standards for tools for molten metal. N. S. Kolodach. *Tekhn. i org. protzv.* no. 6 61-65 N-D '66.  
Foundry coke. V. A. Lektin. *Koksh. i khim.* no. 5 28 '67.  
Standardization of foundry technological equipment. I. I. Talantov, V. G. Kiselev. *Stand. i tech.* 30 no. 9 79 5 '68.  
Standardization of mold body. A. A. Sushakov. *Stal'* 21 no. 10 54-58 5 '66.  
Substitute for lycopodium. I. A. Krotov. *Aviatsiya* 32 no. 12 36-37 D '66.

**FOUNDRYMEN**  
Methods of probability preservation of the elements of production system. G. Sh. Kaplan. *Tekhn. i org. protzv.* no. 1 70-76 Ja-I '67.

**FOURIER SERIES**  
Absolute convergence and summability of Fourier series. M. B. Timan. *Sborn. AN Gruz. SSR* 26 no. 6 61 9 '67.  
Divergence of Fourier series of almost periodic functions. F. A. Bredikhina. *Dokl. AN SSSR* 171 no. 1 131-132 D '66.  
New form of Fourier series and selecting the best series for polynomial. A. I. Valudnev. *Zhurnal vychisl. i mat. fiz.* 7 no. 1 177-185 Ja-I '67.  
Relations between certain upper bounds in the theory of the summation of double interpolation polynomials. I. I. Fourier series. V. I. Ponomareva. *Dop. AN Uzb. SSR* no. 7 843-845 '67.  
Some methods of summing Fourier series. A. I. Valudnev. *Mat. zhur.* 71 no. 3 586-597 D '66.  
Variations of functions, and Fourier coefficients. A. A. Bredikhina and S. A. Bredikhina. *V. A. Mikhlin. Izv. AN SSSR, Ser. mat.* 30 no. 6 1197-1199 '66.

**FRACTIONAL DISTILLATION** see Distillation, Fractional

**FRACTURES**  
Effect of cadamide on the healing of closed fractures in irradiated animals. P. R. Seifullin. *Med. i biol.* no. 10 55-59 O '67.

**FRANCE—BRIKAWATERS**  
Causes of the breakdown of brickwaters of a type 1 cross section. O. Kamenkii. *Rech. trupp* 26 no. 1, 50-60 Ji '61.

**FRANCE—CATHOLIC CHURCH**  
French Catholic philosophy and the problem of personality. V. M. Shevchenko. *Ty. teletz.* no. 1 113-114 '67.

**FRANCE—COMMUNIST PARTY**  
Overlasting unity of the party. George Marchet. *Prav. zhurnal* no. 3 10-14 '67.

**FRANCE—CONSTRUCTION EQUIPMENT**  
Building and road machinery at the French exhibition in Moscow. P. G. Gurov, E. L. Orlovskaya. *Stal'* 21 no. 12 32-37 D '66.

**FRANCE—DESCRIPTION AND TRAVEL**  
Gricher, I. G. [A meeting with Marianne] *Symposium Marianne*. [Moskva, Molodcha gvardia, 1965] 38 p. (Rovenski shagat po planeto) (MI)

**FRANCE—ELECTRONIC DATA PROCESSING—MAIL ROADS**  
In data processing centers of France. A. P. Feltov. *Vest. TSNIIT MTS* 25 no. 7 61-64 '66.

**FRANCE—FOREIGN RELATIONS—GERMANY, WEST**  
Kiesinger in Paris. L. I. I. Nov. v. 26 no. 5 5 Ja '67.

**FRANCE—HEMATOLOGY**  
Leading problems of current French hematology. G. A. Alekseev. *Probl. gemat. i perel. krovi* 12 no. 1 1-12 Ja '67.

**FRANCE—HISTORY**  
Borisov, I. V. [Recent history of France, 1917-1964] *Novel'skaya istoriya Frantsii, 1917-1964*. Moskva, Prosveshchenie, 1966. 254 p.



## FRANCE—INDUSTRIES, LOCATION OF

The policy of decentralization of Paris and its results.  
A. F. Sluka. Vest. Mosk. un. Ser. 5. Grog. 16 no. 1  
8-16. 13-16.

## FRANCE—IRON INDUSTRY

Pavlov, I. M. [French steel monopolies] Frantsuzskie  
stal'nye monopoli. Moskva, Nauka, 1966. 206 p.

## FRANCE—LABOR AND LABORING CLASSES

Gur'yich, S. N. [The labor movement and the Left Bloc in  
France, 1921-1926] Rabochee dvizhenie i levyy blok vo  
Frantsii, 1921-1926. Moskva, Nauka, 1966. 195 p.

## FRANCE—POLITICS AND GOVERNMENT

Gur'yich, S. N. [The labor movement and the Left Bloc in  
France, 1921-1926] Rabochee dvizhenie i levyy blok vo  
Frantsii, 1921-1926. Moskva, Nauka, 1966. 195 p.  
Long-range aims. 5. Zhykov. Nov. vrem. 25 no. 10 21-  
22. 11-17.

## FRANCE—ROAD CONSTRUCTION

Road construction in France. V. E. Knoppe. Gor. khoz.  
Mosk. 35 no. 12-32-37 D '61.

## FRANCE—ROAD MACHINERY

Building and road machinery at the French exhibition in  
Moscow. P. G. Gurov, I. L. Omer'yanenko. Stroitel.  
dela mash. 6 no. 12, 32-37 D '61.

## FRANCE—STEEL INDUSTRY

Pavlov, I. M. [French steel monopolies] Frantsuzskie  
stal'nye monopoli. Moskva, Nauka, 1966. 206 p.

## FRANCE—STEEL INDUSTRY—FINANCE

A new program of French metallurgy. K. Borisova.  
Mir, ekon. i mezhdunar. otn. no. 1122-121 '67.

## FRANCE—STRIKES AND LOCKOUTS

A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

## FRANCE—TRADE UNIONS

Communist and Catholic—the problems of trade-union  
unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.

A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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Communist and Catholic—the problems of trade-union  
unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

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Communist and Catholic—the problems of trade-union  
unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

## FRANCE—TRADE UNIONS

Communist and Catholic—the problems of trade-union  
unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

## FRANCE—TRADE UNIONS

Communist and Catholic—the problems of trade-union  
unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

## FRANCE—TRADE UNIONS

Communist and Catholic—the problems of trade-union  
unity. V. Zakharenko. Mir, ekon. i mezhdunar. otn.  
no. 2 109-115 '67.  
A warning from the trade unions, letters from Paris.  
F. Shaulukin. Nov. vrem. 25 no. 7 19 F '67.

Frequency-impulse converter using a silicon substitution  
IA 1 Bul'bat, IU 1. Gold'ch. Izv. vuz uch. 22"  
elektronika 9 no. 12 1312-1347 '66.

Improvement of a frequency divider. N. I. Iak'ovoi.  
Avtom., telemekh. i svyaz' 10 no. 12 42 D '66.

Investigating the system valve frequency converter—  
asynchronous motor under anomalous conditions. M. Z.  
Khanmud'yanov, A. A. Khachamov. Izv. AN Uz SSR  
Ser. tekhn. nauk 10 no. 6 6-13 '66.

Matrix algebra in calculating frequency converters. I. I.  
Kantei, I. S. Tarasov. Trudy SIMSKH no. 24 21-27 '61.

## FREQUENCY DIVIDERS

Parametric frequency divider with modulated pumping.  
M. I. Divileev, O. I. Mednikov. Vest. Mosk. un. Ser. 3.  
Fiz. i astronom. 21 no. 5 67-71 N-D '66.

## FREQUENCY REGULATION

Automatic phase frequency control system with a phase  
shifter in the feedback circuit. V. P. Sizov. Radio-  
tekhnika 22 no. 1 32-36 Ja '67.

## FRESHWATER FAUNA see subdivision under Pamirs

## FRESHWATER FISHES see Fishes, Freshwater

## FRESHWATER FLOA see subdivision under Kanav Reservoir

## FREUD, SIGMUND, 1856-1939

Freud's theory in the theory of religion. A. M. Bolko.  
Psi. atez. no. 1 116-117 '65.

Struggle of foreign Marxists against Freudism and Neo-  
Freudism. E. Veitsman. Nauch. dokl. vys. shkoly.  
filos. nauki 4 no. 1 148-158 '61.

## FRICTION

Determining the coefficient of friction of steel against  
soil. M. G. Prigorzhia. Dokl. TSKHA no. 44 93-100 '59.

Determining the sealing of rubbing pairs. F. A. Zagav-  
na, L. A. Kadomt'ski. Tekh. i og. proizv. no. 6 116-117  
N-D '66.

Effect of volume of circulated mud on frictional force  
between filter cake and metal surface and on duration  
of viscoplastic layer. I. R. Muradov, G. T. Gasanov,  
N. M. Sherstnev. Azerb. neft. khoz. 45 no. 11 25-27  
N '66.

Investigating effect of interaction forces on sticking of  
drilling string. N. M. Sherstnev, A. A. Gligolien. Neft.  
khoz. 44 no. 10 20-23 O '66.

Rheological properties of plastic lubricants and the  
resistance to rotation of rolling-friction bearings at  
low speeds. IU. F. Delnaga, IA A. Verbitski. Dokl. AN SSSR 172 no. 3 572-575 Ja '67.

Transverse impact by a blunt body against a flexible  
string with friction. A. A. Riabii. Vest. Mosk. un. Ser. 1.  
Mat. i mekh. 21 no. 6 71-78 N-D '66.

## FRICTION MATERIALS

Metal polymer antifriction material for manufacture of  
scor. bushings operating in conditions of dry friction.  
A. A. Kokorev, N. S. Zorina, IU. P. Sviridov. Porosh.  
met. 6 no. 12, 21-26 D '66.

Production of iron-base ceramic metal friction materials.  
IA V. Kolpakov and others. Porosh. met. 6 no. 12 15-  
48 D '66.

## FRIED FOOD see Food, Fried

## FRIESIAN LANGUAGE—PRONUNCIATION

Was the English and Friesian palatalization of the short  
"a" a spontaneous change? IA B. Krupatkin. Nauch.  
dokl. vys. shkoly, filol. nauki 5 no. 1 197-200 '62.

## FROGS see subdivision under Ukraine

## FRONTAL SINUS—FOREIGN BODIES

Rare case of a foreign body in the frontal sinus and the  
labyrinth of the ethmoid. B. S. Lopatin. Zhur. uzh.,  
nos i gorl. bol. 10 no. 6 74-74 N-D '59.

## FRONTAL SINUS—TUMORS

Giant osteoma of the frontal sinus. A. A. Raikov. Zhur.  
uzh., nos i gorl. bol. 10 no. 1 78 J1-Ag '59.

## FROST RESISTANT CONCRETE

To the editor of the magazine "Betoni i Zhel'ezobeton".  
T. S. Powers. Bet. i zhel.-bet. no. 12 569 D '61.

## FROZEN FISH see Fish, Frozen

## FROZEN FOOD see Food, Frozen

## FROZEN FRUIT see Fruit, Frozen

## FROZEN GROUND

Calculating length of time for thawing of frozen ground.  
V. I. Mullin. Prom. stroit. 41 no. 12 41 '66.

Certain problems of calculating and designing continuous  
machines for frozen ground working by cutting. M. A.  
Dvolynsk. Stor. nauch. trud. PNIUI no. 10 254-273 '66.

Effect of frost on the structure and resistance to erosion  
of soil depending on its moisture. IA. IA. Motuzov.  
Poruchovedenie no. 3 53-58 Mr '69.

Leikin, B. V. [Using thermal drills for working frozen  
ground and for cutting boulders, from the experience  
of the Administration for Mechanization of Construction  
of the Glavmurmanskstroil] Pimenenie tei mshurov dila  
razrabotki merzlykh gruntov i doblenia valunov, iz opy-  
ta Upravleniya mekhanizatsii stroitel'stv Glavmurmansk-  
stroia. Moskva, Izd-vo lit-ry po stroitel'stvu, 1958  
14 p. (Novosti stroitel'noi tekhniki)

A new auger design with a differential screw pitch for  
frozen ground boring. A. N. Dashkov. Vzyr., delo  
no. 6 161, 57-73 '66.

Parameters of boring and smooth blasting operations in  
underground workings. V. I. Kozhevnikov. Vzyr., delo  
no. 6 161, 5-11 '66.

Smooth blasting in open-pit mining. S. A. Davidov. N. A.  
Palyola. Vzyr., delo no. 6 161, 11-21 '66.

Thermal boring of permafrost for pile construction. A. P.  
Motolenko. Stroitel'nyi mash. 6 no. 12 12-14 D '61.

## FROZEN GROUND—CONGRESSES

Interesting seminar. D. Vulte. Avt. dor. 24 no. 11 27  
N '61.

## FROZEN VEGETABLES see Vegetables, Frozen

## FRUIT see subdivision under Kaments-Podolskiy Province; White Russia

## FRUIT—PRESERVATION

Economically profitable. V. Golovko. Zakup. sel'khoz.  
prod., no. 12 10-21 D '66.

## FRUIT, DRIED—TESTING

Rapid detection of humidity in dried fruits. S. Khin-  
zant'sian, A. Sardarian. Prom. Arm. 9 no. 11 10-51  
'66.

## FRUIT, FROZEN

Basic parameters characterizing the process of fluidiza-  
tion of a layer of fruit and vegetables. A. Fiklin.  
St. Dichev. Iv. Fiklin. Khol. tekhn. 43 no. 11 33-37  
N '66.

Preserves made from frozen fruit. I. Sh. Mogilevskii.  
A. I. Bivorenko. Kons. i ov. prom. 21 no. 12 24-26  
D '66.

## FRUIT BREEDING see subdivision under Crimea

## FRUIT CULTURE

(see also subdivision under Cuba; Uzbekistan)

Intensity of damage done by hares to orchards of various  
territories. V. V. Guzdev. Vest. Mosk. un. Ser. 6.  
Biol. i zool. 21 no. 5 23-26 S-O '66.

## FRUIT CULTURE—EQUIPMENT AND SUPPLIES

Hand electrified machine for tilling the areas around the  
plants in orchards and berry patches. N. F. Miakishchev.  
Dokl. TSKHA no. 14 108-115 '59.

## FRUIT JUICES see subdivision under Pruzhany (White Russia)

## FRUIT JUICES—STERILIZATION

Sterilization of fruit juices in glass containers without  
counter pressure. B. L. Flaumenbaum and others.  
Kons. i ov. prom. 22 no. 1 9-14 Ja '67.

## FRUIT TRADE

(see also subdivision under Azerbaijan)  
Procure more potatoes, vegetables, and fruit. Zakup.  
sel'khoz. prod. no. 8 1-2 Ag '66.

## FRUIT TREES see subdivision under Darvaza Range; Tashkent

## FRUIT TREES—FERTILIZERS AND MANURES see subdivision under Caucasus, Northern

## FRUNZE, MIKHAIL VASIL'EVICH, 1885-1925

Comrade Arsenik. A. Gur'ianov. Agitator 34 no. 2.  
23-26 Ja '67.

## FRUNZE—TEACHERS, TRAINING OF

The teachers are studying. I. Alibayev. Na. obr.  
no. 2 19 F '67.

## FRYING

Oven for frying food products in butter. F. I. Kotliarenko,  
O. V. Kotliarenko. Sher. izob. v ryb. prom. za 1961 g.:  
48-47.

Study of resistance of some vegetable fats used in deep-  
fat frying. IA D. Kadanev, V. F. Usenko. Vop. pit. 25  
no. 6 51-54 N-D '66.

## FUEL

Issuing bonuses to workers for the economic use of fuel,  
electric and thermal power. Sots. trud. 12 no. 1 137-141  
Ja '67.

Use of fuel and lubrication material waste products for  
heating purposes. G. Rysin. Tekh. v sel'khoz. 21  
no. 12 74 D '61.

## FUEL-COMBUSTION

- Baklanov, N.N., and A.F. Bel'tsev. [Combustion of heterogeneous condensed systems] Gor'nic geterogennykh kondensirovannykh sistem. Moskva, Nauka, 1967, 225 p.
- Nadzharov, M.A., ed. [High-intensity combustion processes] Vysokotemperaturnyye ognye protsessy, sbornik statei. Moskva, Energiya, 1967, 291 p.
- Some results of the analysis of the dew point temperature. M.I. Leifman. Teploenergetika 7 no. 8 29-32 Ag '60.

## FUNCTIONAL ANALYSIS

- Application of the theory of additive functionals to stochastic differential equations. I.I. Zhelaznov. Difr. urav. 2 no. 11 1535-1510 N '66.
- Critical points of functional in case of operator connection. K.E. Tikhonov. Sob. AN Gruz. SSR 14 no. 3 529-536 D '66.
- Differential steepest descent method for solving n-dimensional variational problems. S.I. Al'per, I.A. Al'per. Dokl. AN SSSR 171 no. 6 1247-1250 D '66.
- Distribution of some functionals related to boundary value problems for processes with independent increments. B.I. Rogozin. Teor. veroyatn. i statistika 11 no. 1 656-670 '66.
- Liquid stability of a physical pendulum filled with liquid. V.A. Samsonov. Prikl. mat. i mekh. 30 no. 6 1113-1114 N-D '66.
- Evaluating the parameters of complex systems on basis of the experiment results. I.V. Aleksevskiy. Ekon. i mat. metod. 3 no. 1 118-152 Ja-F '67.
- Maximum problem in a class of bounded functions with real coefficients. V.V. Chernikov. Trudy TGU 182 96-105 '65.
- Gaussian linear functionals on countable Hilbert spaces. I.U. Rozanov. Dokl. AN SSSR 171 no. 6 1280-1288 D '66.
- A generalization of the power problem of moments. I.U. Rozanov. Dokl. AN SSSR 172 no. 3 511-517 Ja '67.
- Gradient method for solving a class of problems of optimal control. O.V. Vasiliev. Zhur. vych. mat. i mat. fiz. 7 no. 1 32-61 Ja-F '67.
- Integral representation of positively defined Wightman functionals. I.U. M. Berezanskii. Ufr. mat. zhurn. 10 no. 1 80-95 '67.
- A nonlinear extremum problem. V.F. Dem'yanov. Zhur. vych. mat. i mat. fiz. 7 no. 1 33-51 Ja-F '67.
- Optimum control in a statistical problem. Difr. urav. 2 no. 11 1115-1122 N '66.
- Orthogonality in  $L_p$  spaces. L.N. Poltavskii. Vest. Mosk. un. Ser. I. Mat., mekh. 22 no. 1 47-50 Ja-F '67.
- Proof of the nonisomorphism of spaces of functions smooth on a segment and on a square. G.M. Khenkin. Dokl. AN SSSR 172 no. 1 46-51 Ja '67.
- Range of values of a system of functionals on class  $S$ . V.I. Popov. Trudy TGU 182 106-132 '65.
- Range of values of functional systems. I.A. Aleksandrov. Trudy TGU 182 59-70 '65.
- Range of values of  $J = (fw)$  functional in class of finite functions with real coefficients. V.V. Chernikov. Trudy TGU 175 78-84 '65.
- Range of values of polynomial expressions composed of coefficients of class  $S$  and  $\Sigma$  functions. I.A. Aleksandrov, V.G. Kochegurova. Trudy TGU 175 49-49 '64.
- Schroffer-Zuffin's problem extended to finite functionals. M.I.A. Zinger. Dokl. AN SSSR 172 no. 1 14-17 Ja '67.
- Some function-theoretical variants of the sieve method in the theory of numbers. P. Turan. Dokl. AN SSSR 171 no. 6 1289-1292 D '66.
- Some problems in the calculus of variations for functionals from vector functions with values in a Banach space. N.M. Kulzhaiyuk. Uzb. mat. zhur. 10 no. 1 65-68 '67.
- Some properties of level curves in univalent conformal mappings. O.V. Stepanova. Mat. sbor. 72 no. 1 72-96 Ja '67.
- Sufficient optimality conditions for discrete controllable systems. V.F. Kretov. Dokl. AN SSSR 172 no. 1 18-21 Ja '67.
- Theory of estimating the nonoscillation interval in difference equations and difference boundary value problems. A.L. Teplov. Difr. urav. 2 no. 11 1449-1160 N '66.
- Theory of extremum problems for quasi-conformal mappings of closed Riemannian surfaces. S.L. Krushkal'. Dokl. AN SSSR 171 no. 4 784-787 D '66.
- Three linearized inverse problems for hyperbolic equations. Dokl. AN SSSR 171 no. 8 1279-1281 D '66.
- Use of the method of differential descent in solving nonlinear systems. S.I. Al'per, I.A. Al'per. Zhur. vych. mat. i mat. fiz. 7 no. 1 14-32 Ja-F '67.

## FUNCTIONAL EQUATIONS

- Stability of the solution to a functional equation of dynamic programming. R.L. Zorasskii. Zhur. vych. mat. i mat. fiz. 7 no. 1 198-204 Ja-F '67.

## FUNCTIONS

- Asymptotic representations of spheroidal functions. L.I. Ponomarev. Zhur. vych. mat. i mat. fiz. 7 no. 1 108-198 Ja-F '67.
- Functional completeness for algebra of logic functions not everywhere defined. R.V. Freivald. Disk. anal. no. 8 55-68 '66.

- Functions with bounded rotation outside a unit circle. V.Kh. Lashovsk. Dup. AN URSSR no. 7 856-858 '62.
- Method for the approximation of complex functions. K.S. Khomutov. Vych. tekhn. [NVTU] no. 5 212-216 '66.
- On the number of computations for finding the minimum of convex function. A.I. Kuzovkov, V.M. Likhomirov. Ekon. i mat. metod. 3 no. 1 95-103 Ja-F '67.
- Optimal multiple numerical quadratures for stationary random functions. L.S. Gordin, R.E. Solov'evich. Zap. LGI 43 no. 3 46-48 '61.
- Some inequalities for algebraic polynomials and rational functions. D.I. Mamedkhanov. Izv. AN Azerb. SSR Ser. fiz.-mat. tekhn. nauk no. 5 9-15 '62.
- Some problems bearing on the approximation of functions by algebraic polynomials in an integral metric. V.P. Motornyi. Dokl. AN SSSR 172 no. 3 537-540 Ja '67.
- Some properties of N-functions. I.I. Tsyganok. Uzb. mat. zhur. 10 no. 1 128-133 '67.
- Special functions of discrete argument of a symmetric potential. V.L. Makarov. Dup. AN URSSR no. 10 1250-1254 '65.
- Structure of measurable functions. S.G. Korlovits. Mat. sbor. 72 no. 1 140-160 Ja '67.

## FUNCTIONS, ANALYTIC

- Analytic capacity and the Cauchy integral. M.S. Melnikov. Dokl. AN SSSR 172 no. 1 26-29 Ja '67.
- A case of Riemann's discontinuity problem. A.D. Alekseev. Dokl. AN SSSR 167 no. 2 255-258 Mb '66.
- Derivation of periodic solutions to quasi-linear nonautonomous systems with one degree of freedom in the case of multiple roots of the amplitude equations. A.P. Proskurnikov. Prikl. mat. i mekh. 30 no. 6 1113-1120 N-D '66.
- Finite polyanalytic functions with a finite set of zeroes. M.B. Bakh. Izv. AN Azerb. SSR, Mat. 1 no. 5 311-357 '66.
- Extending L. M. Fekete's formula to doubly connected regions. R.S. Polomoshnaya. Trudy TGU 182 90-95 '65.
- Geometrical properties of schlicht functions. I.A. Alekseyev. Trudy TGU 175 29-38 '64.
- Lidstone's problem and its generalizations. I.U. A. Karimov. Vest. Mosk. un. Ser. I. Mat., mekh. 21 no. 6 10-51 N-D '66.
- On a characteristic of families of schlicht functions. B.P. Kufarev, S.V. Soboleva. Trudy TGU 175 5-7 '61.
- Remarks on the structure of a set of prime ends of a sequence of two-dimensional regions converging to the nucleus. S.I. Kokonova, B.P. Kufarev. Trudy TGU 182 27-31 '65.
- Simultaneous approximations in the circle. E.M. Kogojan. Izv. AN Azerb. SSR, Mat. 1 no. 5 317-330 '66.
- Variational problems for certain classes of functions schlicht and nonschlicht in doubly connected regions. R.S. Polomoshnaya. Trudy TGU 175 59-72 '64.

## FUNCTIONS, AUTOMORPHIC

- Some estimates for automorphic functions. M.R. Kuvaev. Trudy TGU 182 86-89 '65.

## FUNCTIONS, CHARACTERISTIC see Eigenfunctions

## FUNCTIONS, CONTINUOUS

- Additive functions of sets continuous with respect to direction. I.U. I. Gilderman. Dokl. AN SSSR 172 no. 1, 11-13 Ja '67.
- Existence of Gaussian-type quadrature formulae exact for functions in Chebyshev-Haar system. V.B. Ryvkin. Dokl. AN SSSR 167 no. 1 821-826 N '66.
- Inverse theorems on uniform approximation. N.A. Lebedev. Dokl. AN SSSR 171 no. 4 780-780 D '66.
- Method for straightening the fronts for multiphase one-dimensional Stefan-type problems. A.D. Usupskii. Dokl. AN SSSR 172 no. 1 61-64 Ja '67.
- Necessary and sufficient conditions stipulated for a set in order that any continuous function analytic at the internal points of the set will admit of uniform approximation by rational functions. A.G. Vitushkin. Dokl. AN SSSR 171 no. 6 1255-1258 D '66.

- Order of approximation along the axis of continuous functions by Hermite-Peche interpolation polynomials. G.M. Gasanov. Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk no. 4 10-15 '66.

- A problem of G. Szego', M. Kac, G. Baxter, J. Hirschman, I.A. L. Gerontius. Dokl. AN SSSR 172 no. 3 521-523 Ja '67.

- Simple proof and generalization of N.N. Luzin's theorem. Trudy TGU 175 8-11 '64.

- Some problems in the mathematical theory of the critical state of a reactor. S.B. Shikhov. Zhur. vych. mat. i mat. fiz. 7 no. 1 113-127 Ja-F '67.

- Some properties of algebras of continuous functions. E.L. Atenson. Dokl. AN SSSR 171 no. 4 767-769 D '66.

- Variations of functions, and the Fourier coefficient in Haar's and Schauder's systems. V.A. Matveev. Izv. AN SSSR, Ser. mat. 30 no. 6 1307-1310 '66.

## FUNCTIONS, ENTIRE

- Contribution to the general theorem on the algebraic independence of values of E-functions. A.B. Shidlovskii. Dokl. AN SSSR 171 no. 4 810-813 D '66.

- The problem of moments in the complex domain. I.U. A. Karimov. Vest. Mosk. un. Ser. I. Mat., mekh. 22 no. 1 3-11 Ja-F '67.

- Remarks on a theorem of Cullings and Valtin. V.I. Gavrilov. Vest. Mosk. un. Ser. I. Mat., mekh. 21 no. 6 25-27 N-D '66.

- Some inequalities for integral functions of finite degree within the norm of a generalized Chebyshev class. I.I. Ibragimov, A.S. Dzhabbarov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 5 17-28 '62.

## FUNCTIONS, ORTHOGONAL

- An asymptotic formula in the theory of orthogonal polynomials. S.Z. Rifaat. Dokl. AN SSSR 171 no. 3 100-105 D '66.
- Derivation of combinatorial formulas, and orthogonal polynomials. I.P. Mityayevskii. Zhur. vych. mat. i mat. fiz. 7 no. 1 105-109 Ja-F '67.
- Rate of convergence of orthogonal series. V.A. Anshin. Vest. Mosk. un. Ser. I. Mat., mekh. 22 no. 1 1-4 Ja-F '67.

## FUNCTIONS, PERIODIC

- Conjugate functions. I.V. Zhizhalskii. Dokl. AN SSSR 167 no. 2 270-281 Mb '66.
- Divergence of Fourier series of almost periodic functions. I.A. Brucklin. Dokl. AN SSSR 171 no. 1 174-177 D '66.
- Resonance in rotating systems. I.D. Akulov, V.I. Volosov. Vest. Mosk. un. Ser. I. Mat., mekh. 22 no. 1 1-12 Ja-F '67.

## FUNCTIONS OF COMPLEX VARIABLES

- Method of parametric representations. V.I. Pops. Trudy TGU 175 73-77 '64.
- Mordasova, G.M., and R.L. Senkevich. [Problems in higher mathematics; theory of functions of complex variables and the operational calculus] Shkole zuch. po kursu vysshej matematiki, teorii funktsii kompleksnogo peremennogo i operatsionnoe ischislenie. Moskva, 1966, 130 p.

## FUNCTIONS OF REAL VARIABLES

- Interpolation methods for computing the single root multiple real roots of functions. B.A. Zhitovskii. Zhur. vych. mat. i mat. fiz. 7 no. 1 105-107 Ja-F '67.

## FUNCTIONS OF SEVERAL VARIABLES

- Approximation of functions of two variables by functions of type  $(\chi\chi\psi)$ . A.S. Tsel'otil. Dokl. AN SSSR 14 no. 3 545-517 D '66.
- Fixed-sign condition of arbitrary forms of even order. V.A. Chervinskii. Dokl. AN SSSR 167 no. 1 18-21 N '66.
- Problem of the maximum function of several variables. B.T. Poljak, B.I. Shostakovskii. Vych. mat. i mat. fiz. 7 no. 1 107-111 '66.

## FUNCTION THEORY

- On the description of the duality function. I.M. Kuvshinov, A.S. Shvarts. Dokl. AN SSSR 167 no. 2 202-208 Mb '66.

- Fungi see subdivision under Aragal Valley, Ukraine White Russia

## FUNGI—INDUSTRIAL APPLICATIONS

- Use of mycelial fungi in the production of feed protein from molasses containing oligomeric alcohols. T.Y. Semushina, N.I. Monakhova. Sb. nauch. nauch. 11 105 '65.

## FUNGI, PATHOGENIC

- Muscardino and the codling moth. T. Prutinsk. Zash. rast. 12 no. 1 56-57 '67.
- Serum diagnosis of feeds contaminated with pathogenic fungi. G.I. Zakhov. Dokl. TS KHA no. 46 119-124 '65.

## FUNGI, PHYTOPATHOGENIC

- (see also subdivision under Abkhazian)

- Recent data on the nature of the blossom-end rot of tomatoes. V.P. Shetko. Trudy KISKHI 56 91-91 '61.

## FUNGICIDES

- Methods of internal therapy in ridding vine crops of diseases. M.N. Rodigin. Trudy KISKHI 56 10 '61.
- Protection of containers from mold in transporting museum objects. D.S. Kuritsyn. Vest. Mosk. un. Ser. G: Biol., pochv. 21 no. 5 815-80 B-C '60.

## FUR—DRESSING AND DYEING

- Dyeing black the chlorinated hair of fur shepkins with acid dyes. M.M. Gorlachova, I.U. A. Aronin. Izv. vys. uchob. zav. fizik. i tekhn. nauk no. 6 73-80 '66.

## FUR—GRADING

- Kutshakov, F.G. [Receiving furs according to quality] Priemka moshkovykh tovarov po kachestvu. Moskva, Ekonomika, 1966, 117 p.

- FUR-BEARING ANIMALS see subdivision under Uzbekistan; Yakutia

## FUR TRADE

(see also subdivision under Montreal; Norway)  
The 14th Fur Auction. A Babadzhanyan. Vnesh tog  
46 no. 11 32-33 '66  
The Karakul at an international fur auction. A Kantsepol's-  
kiy. Zekup sel'khoz prod no. 11 55 N '66

## FURFURALDEHYDE

Effect of temperature and heating time on changes in the  
composition of furfural. Report No. 2. IU. A. Tshilin,  
F. A. Rozlov, Sher. trud. NIIGS 14-121-131 '65.  
Efficiency of the bubble-cap plates of furfural rectifying  
columns. Report No. 1 Effect of the bubbling depth.  
A. S. Dorozhova, IU. A. Tshilin. Sher. trud. NIIGS 14-  
132-141 '65.  
Production of first-class furfural in a continuously  
operating unit. IU. A. Tshilin and others. Sher. trud.  
NIIGS 11-106-116 '65.  
Studying the composition of semifinished and finished  
products of the furfural industry by gas-liquid chroma-  
tography. Report No. 11 Composition of the overhead  
fraction. S. A. Fedotova, IU. A. Tshilin. Sher. trud.  
NIIGS 11-117-121 '65.  
Testing corrosion resistant materials in the media of  
furfural containing vapor and condensates. T. A.  
Adumovich and others. Sher. trud. NIIGS 11-112-118  
'65.

## FURAN

Synthesis of some new thiophene and furan analogs of  
chalcones. S. V. Chukermin and others. Ukr. khim.  
zhur., 32 no. 11 101-107 '66.

## FURNACES

Automatic control of vapor pressure in burning gaseous  
fuel. O. V. Ponomarev. Energ. i elek., no. 6 25-  
26 N-D '66.  
Efficient boiler furnace systems. V. P. Shirshov. Energ.  
i elek., no. 6 11-13 N-D '66.  
Methods for the analysis of a multiregion furnace  
for autothermic reacting in a fluidized bed. V. M.  
Ponomarev. Izv. v. sh. khim. II no. 6 779-786 D '66.  
Testing of the 11P-2-10 feeder operating on pulverized  
fuel from the Moscow Basin. N. S. Vasil'ev, B. N.  
Mukachkin. Tekh. i org. prot. no. 6 86-87 N-D '66.

## FURNACES—AERODYNAMICS

Rotation of the medium gas flow in a cyclone chamber.  
I. V. Volkov. Tekhnicheskaya fizika 7 no. 8 12-37 Ag '66.

## FURNACES, HEAT TREATING

Advantages of industrial gas furnaces. N. I. Pavlov,  
S. Burk. Met.-tekh. snab. b. I no. 1 76 O '66.  
Inclined U-shaped furnace for roasting vermiculite.  
I. I. Mironov. Stal' i chugun. 7 no. 12 17-10 D '61.  
Investigating the work of a heat-treating furnace with  
radiant pipes of pyroceram. O. R. Matveyev, G. F.  
Dugayev. Tekh. i org. prot. no. 6 86-87 N-D '66.

## FURNACES, HEATING

Effect of the heating of metal in continuous furnaces on  
the quality of rolled sheet products. A. M. Kulakov,  
I. I. Plotnikov. Stal' i chugun. 11 no. 11 1015-1030 N '61.

Equations describing the dynamics of double-flow con-  
vection type tubular heating furnaces (convection cham-  
bers) for the case of double-flow fuel supply. F. I.  
Khasmanedov. Izv. AN Azerb. SSR Ser. fiz.-mat. i  
tekhn. nauk no. 5 81-86 '62.

## FURNACES, HEATING—DESIGN AND CONSTRUCTION

Reconstruction of a continuous furnace for the automation  
of the heating of ingots of ball bearing steel. A. V. Ba-  
bushevskiy. Stal' i chugun. 11 no. 11 1041-1042 N '61.

## FURNITURE

Sectional furniture. IU. V. Shcherbakov. Trudy MVKHPU  
no. 2 32-38 '65.

**FURNITURE—EXHIBITIONS** see subdivision under  
Ukraine

## FURNITURE INDUSTRY

(see also subdivision under White Russia)

Shpil's, T. M. [Using the wood of beech branches and  
tree tops in the making of bent furniture] Ispol'zovanie  
drevnykh bukovykh such'ev i vershin dlya izgotovleniya  
izdelii gnutoi mebeli. L'vov, L'vovskiy lesotekhn. in-t,  
1958. 18 p.  
(OrCS)

**FURNITURE INDUSTRY—MANAGEMENT** see sub-  
division under UssR—Kamenogorsk

## FUSARIUM

Resistance of cabbage to fusarium yellows. E. E. Fomin,  
E. S. Dovgal'. Trudy KISIKII 56:10-121 '66.  
Studying the chemotherapeutic method for ridding  
watercourses of fusarium yellows. V. V. Shorik. Trudy  
KISIKII 56:69-71 '66.  
Studying the methods for ridding cabbage of yellowing.  
A. M. Anisimov, N. I. Kovalchuk. Trudy KISIKII 56.  
20-33 '66.  
**FUSARIUM—CULTURES AND CULTURE MEDIA**  
Gibberellins and gibberellinlike substances from culture  
fluid of *Fusarium moniliforme*. V. N. Agnietkova and  
others. Mikrobiologiya 35 no. 6 1037-1043 N-D '66.

## FUSED SALTS—DENSITY

Density and viscosity of melts of the system  $\text{Pb-Cd, Pb-}$   
 $\text{Cl, A-G, Bi, Zn, V, Mn, Zn, V, Mn, Zn, V, Mn, Zn, V, Mn,}$   
12 no. 1 210-212 Ja '67.

## FUSEL OIL

Distillation of fusel oil for the production of higher alco-  
hols. G. I. Furman, V. E. Semievskaia. Spirit prom. 28  
no. 3 31-35 '62.  
Making industrial isobutyl and isobutyl alcohol from  
fusel oil. V. F. Sukhodol, P. A. Chatskiy. Spirit prom.  
28 no. 3 35-38 '62.

## FUSIDIUM—CULTURES AND CULTURE MEDIA

Selection of variants, the biological properties, prepara-  
tion of inoculum of fusidic-producing organism, and the  
method of determining antibiotic activity. V. D. Kuzne-  
tsov and others. Antibiotiki 12 no. 1 14-17 Ja '67.

## GADOLINIUM CHLORIDE

Reaction of gadolinium chloride with orthophosphate  
ions in aqueous solution at 25°C. I. V. Pananov, S. M.  
Petrushkova. Zhur. neorg. khim. 12 no. 1 81-86 Ja '67.

## GADOLINIUM CRYSTALS, EFFECT OF TEMPERATURE ON

Characteristics of transverse magnetoresistance of gad-  
olinium single crystals. N. V. Volkenshtein, V. P. Dia-  
kina, Pis'ma v red. Zhur. eksper. i teoret. fiz. 1 no. 10  
396-400 N '66.

## GADZHIBEKOV, UZEIR, 1895-1918

Some materials on biographies of U. Gadzhibekov,  
G. Arablinski and A. Azimzade. A. G. Sarabskiy. Dokl.  
AN Azerb. SSR 16 no. 3 73-76 '62.

## GAGEA see subdivision under Gorkiy Province

## GAGES see Gauges

## GALACTOMANNANS

Reserve galactomannans and glucomannans in seeds,  
bulbs, and rhizomes. B. N. Stepanenko. Usp. khim. 30  
no. 5 626-644 My '61.

## GALAXIES

Colorimetric study of galaxy NGC 6946. Part 1.  
F. Birken and others. Astrofizika 2 no. 4 431-  
442 D '66.  
Dependence of radio emission from barred galaxies on  
the shape of their central parts. G. M. Tovmasyan.  
Astrofizika 2 no. 1 110-120 D '66.

## GALENA see subdivision under Tajikistan

## GALENA—THERMOELECTRIC PROPERTIES

Thermoelectric properties of galenites and pyrites of  
some complex metal deposits. G. I. Kolozov. Min.  
sbor. 20 no. 2 186-198 '66.

## GALLBLADDER—DISEASES

Changes in blood serum protein fractions in acute  
cholecystitis. A. G. Ito and others. Khirurgiya 42  
no. 12 56-61 D '66.  
Course of experimental atherosclerosis combined with  
cholecystitis. K. I. Tsintadze, D. D. Tvidiani. Sob.  
AN Gruz. SSR 27 no. 2 225-231 Ag '61.  
Diffuse suppurative biliary peritonitis. A. A. Khachatryan.  
Azerb. med. zhur. 43 no. 12 3-8 D '66.  
Some problems of surgical tactics in the treatment of  
acute cholecystitis in elderly and senile patients.  
L. Skatin, N. A. Fyvetkova. Khirurgiya 42 no. 12 31-  
38 D '66.  
Surgical treatment of acute cholecystitis. IU. O. Furman.  
Khirurgiya 42 no. 12 38-41 D '66.

## GALLBLADDER—RADIOGRAPHY

Characteristics of the preparation and management of  
intravenous cholecystocholangiography. E. I. Gal'-  
perin, I. M. Ostrovskaya. Khirurgiya 38 no. 11 76-81  
N '62.

X-ray study of the process of filling and the concentration  
capacity of the gallbladder. P. K. Klimov. Fiziol. zhur.  
49 no. 3 353-368 Mr '63.

## GALLBLADDER—SURGERY

Surgical treatment of acute cholecystitis. IU. O. Furman.  
Khirurgiya 42 no. 12 38-41 D '66.  
Treatment of chronic calculeous cholecystitis in the light  
of late results. V. V. Vinogradov, G. E. Basner.  
Khirurgiya 42 no. 12 41-46 D '66.

## GALLIC ACID

Hygienic evaluation of mixture of antioxidants of edible  
fats of butylhydroxyanisole and propyl gallic acid. M. A.  
Danilova. Vop. pit. 25 no. 6 47-51 N-D '66.  
Radioprotective and radiomimetic action of propyl  
gallic acid in glycine and hemin solutions. M. I. Amira-  
gova, N. A. Duzhenkova. Radiobiologiya 2 no. 4 607-  
610 '62.

## GALLIUM

Separation of small amounts of In and Ga by partition  
chromatography in a column with fluoroplast 4. T. A.  
Bolsheva, I. P. Alimarin, A. S. Litvinchaya. Vest.  
Mosk. un. Ser. 2: Khim. 21 no. 8 59-63 N-D '66.

## GALLIUM ARSENIDE CRYSTALS—DEFECTS

Dependence of current carrier mobility on temperature in  
GaAs crystals irradiated by fast electrons. V. S.  
Vavilov and others. Fiz. tver. tela 8 no. 11 3390-3391  
N '66.

Studying the perfection of diffusion layers produced by the  
diffusion in zinc in gallium arsenide. B. G. Zaldarov,  
S. S. Kikhlov. Izv. v. s. ucheb. za'v., fiz. 9 no. 6 18-  
27 '66.

## GALLIUM ARSENIDE CRYSTALS, EFFECT OF RADIATION ON

Effect of irradiation by fast electrons on photoconductivity  
spectra of GaAs crystals grown in hydrogen atmosphere.  
A. T. Plotnikov, N. I. Selezneva. Fiz. tver. tela 8 no. 11:  
3392-3393 N '66.

## GALLIUM ARSENIDE CRYSTALS, EFFECT OF TEMPERATURE ON

Effect of heat treatment on gallium arsenide photolumines-  
cence. Zh. I. Aiforov, D. Z. Garbuzov, E. P. Morozov.  
Fiz. tver. tela 8 no. 11 3236-3240 N '66.

## GALLIUM ARSENIDES

Electro-optical effect in GaAs. V. S. Bagacov, IU. N.  
Berezashvili, L. V. Klyush, Pis'ma v red. Zhur. ek-per.  
i teoret. fiz. 1 no. 9 364-366 N '66.

## GALLIUM ARSENIDES—ELECTROMAGNETIC PROPERTIES

Mobility of minority carriers in degenerated gallium  
arsenide. V. P. Sushkov. Fiz. tver. tela 8 no. 11 3431-  
3432 N '66.

## GALLIUM ARSENIDES, EFFECT OF RADIATION ON

Effect of electron irradiation on the electric properties  
of gallium arsenide. M. A. Krivov, S. V. Malinova,  
V. N. Brudnyi. Izv. v. s. ucheb. zav., fiz. 9 no. 6 133-  
134 '66.

Effect of V-ray and electron radiations on p-n junctions  
of gallium arsenide. M. A. Krivov, S. V. Malinova.  
Izv. v. s. ucheb. zav., fiz. 9 no. 6 135-136 '66.

## GALLIUM COMPOUNDS

Anion exchange of chloride complexes of gallium and  
indium in presence of hydrochloric acid and organic  
solvents. A. N. Gokhova, C. P. Tsinkevich, I. P.  
Alimarin. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6 88-  
91 N-D '66.

## GALLIUM-MERCURY ALLOYS see Mercury-gallium alloys

## GALLIUM SALTS

Basic gallium salts of alunite type. I. V. Tananayev, V. G.  
Kuznetsov, N. K. Bol'shakova. Zhur. neorg. khim. 12  
no. 1 57-61 Ja '67.

## GALLIUM-TIN ALLOYS—ELECTRIC PROPERTIES

Studying the electric diffusion of tin and mercury in their  
alloys with gallium. V. A. Mikhailov and others. Fiz.  
met. i metalloved. 22 no. 6 871-875 D '66.

## GAL'PERN, IAKOV IOSIFOVICH, 1876-1941

Professor IA O. Gal'pern, M. A. Kimbarovskii. Khirur-  
giya 42 no. 12 115-116 D '66.

## GALSWORTHY, JOHN, 1867-1933

The wholeness of the Eyring cycle. A. V. Chicherin.  
Izv. AN SSSR, Ser. fiz.-i. laz. 25 no. 6 491-498 N-D '66.

## GALVANIZING

Galvanization at the building site. G. G. Uzkov. Na stroi.  
Ros. 1 no. 8 30 Ag '63.

## GAMBIA

Khiliukhin, E. I. [Gambia today] Sovremennaya Gambia.  
Moskva, Znanie, 1987. 31 p. (Novoe v zhizni, nauke,  
tekhnike, VII Seriya Mezhunarodnaya, no. 4)

## GAME THEORY

n-Person games of survival "with a lifeline." L. A.  
Petrossian. Izv. AN Arm. SSR Mat. i mek. 5 331-340  
'66.

What is the theory of games. A. A. Fridman. Ekon. i  
mat. metod. 3 no. 1 113-131 Ja-F '67.

## GAMES

Verzhina, A. K. [Geographical games in school; from  
work experience] Geograficheskie igry v shkole,  
iz opyta raboty Moskva, Prosveshchenie, 1966. 60 p.

## GAMES, THEORY OF see Game theory

## GAMMA GLOBULIN

Study of the antigen structure of the globulin fraction  
from a tissue perfused of irradiated dogs. G. M.  
Litvitsyna, IU. D. Balitsa. Radiobiologiya 2 no. 4.  
560-564 '62.

## GAMMA RAY SPECTROMETRY

Nuclear  $\gamma$ -ray resonances in  $^{115}\text{Sn}$  and  $^{140}\text{Sn}$ . B. Ibra-  
nik, V. Knapp, M. Viatkov, Izv. AN SSSR, Ser. fiz.  
31 no. 1 98-104 Ja '67.

Studying  $^{152}\text{Tb}$  radiation. K. I. Gromov and others.  
Izv. AN SSSR, Ser. fiz. 31 no. 1 154-170 Ja '67.

## 682

## GAS DYNAMICS (Continued)

Gas dynamics processes during the heating of a substance by laser radiation. *IU, V. A. Anisimov and others. Prikl. fizika*, 30 no. 6, 1077-1078 N-D '66.

Gas flow in an axisymmetric duct and tube. *I. A. Belov, B. N. Rogtev. Inzh. fiz. zhurn.* 12 no. 126-130 Ja '67.

Motion of a plate in a two-component heterogeneous mixture. *V. I. Kabanov, G. G. Safarov. Izv. AN Akad. Nauk SSSR, fiz.-mat. i tekhn. nauk* no. 1, 13-17 '66.

Performance of gas in flowing and pumping wells. *G. Z. Il'ginskiy. Neft khoz.* 11 no. 113-114 N '66.

Theoretical studies on gas parameters in oxygen-kerosene flames related to the initial pressure of hydrocarbons. *I. P. Gorkov. Izv. vuzov, fiz. i tekhn. nauk* no. 8 no. 6, 107-108 '66.

Total force action of a steady gas flow on a rectangular plate. *S. I. Ginzburg. Prikl. fiz. zhurn.* 12 no. 3, 249-252 '66.

Using the energy method in analyzing the stability of gas systems with compressors. *I. G. Oshchepkin, I. A. Tokshatov. Izv. vuzov, fiz. i tekhn. nauk* no. 1, 121-126 '66.

## GAS DYNAMICS—BOUNDARY VALUE PROBLEMS

Gas flow into a vacuum with the boundary temperature changing a power law. *V. I. Neuvzhayev, Prikl. mat. i mekhan.* 30 no. 6, 1019-1020 N-D '66.

Theory of flow past bodies. Method of power series. *V. P. Dolanov. Prikl. mat. i mekhan.* 30 no. 6, 1006-1011 N-D '66.

## GAS FIELD BRINES see subdivision under Apheron Peninsula

## GAS FIELD DEVELOPMENT

Geological factors affecting results of formation treatment in gas recovery stimulation. *I. A. Kopylov, V. G. Khlebnikov. Geol. dokl.* no. 1, 1-5 '66.

## GAS FIELD DEVELOPMENT—COSTS see subdivision under Bashkirtia

## GAS FLOW

Calculation of well bottom pressure during one-phase flow of gas condensate mixture. *G. R. Gusevich. Izv. vuzov, fiz. i tekhn. nauk* no. 8, 11-13 '66.

Interface boundary layer on solids of revolution under the action of a binary gas flow. *L. A. Kulonen. Zap. Lening. univ.* 3, 40-43 '61.

Relation of the isothermal gas flow in a cyclone chamber. *F. V. Volkov. Teploenergetika* 7 no. 8, 32-37 Ag '66.

## GAS INDUSTRY

All-Union day of workers employed in petroleum and gas industries. *I. B. Gulyaev. Neftnik* 11 no. 9, 1-3 '66.

Impetuous growth of gas industry. *IU, I. Hukerman. Neftnik* 11 no. 8, 1-4 Apr '66.

Let us mark our holiday with new work successes. *Neftnik* 11 no. 8, 1 Ag '66.

## GAS INDUSTRY—FINANCE see subdivision under Turkmenistan

## GAS INDUSTRY—FIRES AND FIRE PREVENTION

[Collection of fire-prevention specifications for designing industrial enterprises and populated places.] *Sbornik protivopozharnykh norm stroitel'nogo proizvodstva i promyshlennyykh predpriyatiy i naselennykh mest. Moskva, Stroizdat. Pt. 3, 1965. 302 p.*

## GAS INDUSTRY—SAFETY MEASURES

Automatic control of safety should operate infallibly. *A. D. Makarov. Izv. op. i truda v prom.* 11 no. 126-127 Ja '67.

## GAS MANUFACTURE AND WORKS—MANAGEMENT

*Krylov, N. V.* [Organizing and planning production of gases by deep cooling in industrial enterprises; a textbook.] *Organizatsiya i planirovaniye proizvodstva gazov metodom glubokogo okhlazhdeniya na promyshlennykh predpriyatiyakh; uchebnoye posobie. Leningrad, Pt. 1, 1965. 237 p.*

## GAS PIPES

Opening and shut-off valve for nonmetallic gas pipelines. *V. S. Logvinov, V. V. Tarkhanov. Stroi. mashinostroy.* 6 no. 12, 13 D '61.

## GAS-TURBINE LOCOMOTIVES

Semi-graphical method for calculating the speed characteristics of two-shaft gas-turbine locomotive engines. *N. N. Afanasyeva, E. I. Nestorov. Energomashinostroyeniye* 12 no. 11-13-22 N '66.

## GAS TURBINE LOCOMOTIVES—DESIGN AND CONSTRUCTION see subdivision under Koloman

## GAS TURBINES

Experimental study of the thermal state of the regenerator of the GT-25-700 gas turbine system during start operations. *V. I. Fedorov, V. N. Karpovskiy. Energ. i tekhn.* no. 6-20-22 N-D '66.

Performance of conventional gas turbine systems in the gas-steam cycle with a boiler-economizer. *V. A. Zysin, B. V. Turchaninov. Energomashinostroyeniye* 6 no. 3, 18-21 S '60.

Special features of the runners of the machines of large carbon dioxide pumps. *V. I. Bikhitskiy, I. P. Oshchepkin, V. N. Khvalidzhil. Energomashinostroyeniye* 12 no. 11, 26-28 N '66.

Study of combustion chambers of GTU-50-800 gas turbine systems. *A. A. Shatilov and others. Energ. i tekhn.* no. 6-19-20 N-D '66.

Temperature indicator using an irradiated tube. *V. I. Dobokhotov and others. Energomashinostroyeniye* 12 no. 11, 14-16 N '66.

## GAS TURBINES—CORROSION

Resistance of turbine metals to vanadium corrosion. *R. A. Ilyashin, S. E. Khalilov, E. S. Ginzburg. Teploenergetika* 7 no. 8, 57-60 Ag '66.

## GAS TURBINES—DESIGN AND CONSTRUCTION

Calculating the load distribution between the teeth of the hermetic fastening of turbine working blades in case of elastic strains. *V. M. Savochkin. Energomashinostroyeniye* 6 no. 10, 29-32 O '66.

Turbine stages developing a high momentum in starting. *L. I. Kuznetsov, A. I. Kuznetsov. Energomashinostroyeniye* 6 no. 9, 6-8 S '66.

Utilization of the gauge pressure of blast furnace gas. *R. V. Sazanov. Stal'* 22 no. 5, 171-175 May '62.

Utilization of the gauge pressure of blast furnace gas in the blast furnace. *I. G. Tikhomirov. Stal'* 22 no. 5, 176-177 May '62.

## GAS WELDING AND CUTTING

Argon-gasoline welding and heating of parts. *V. Bodina. Avi. transport* 10 no. 6, 48 Je '62.

Cutting metals with natural gas. *IU, A. Burdakov, V. A. Myshonkov. Mashinostroyeniye* 1 no. 120 Ju '67.

## GAS WELL CEMENTING

Simplified method to calculate the balance of ascending flow of slurry in oil and gas well cementing. *R. Sh. Khokhlov. Neft khoz.* 14 no. 10, 27-31 O '66.

## GAS WELL COMPLETION see subdivision under Caspian Mountain region

## GAS WELL DRILLING see subdivision under Stavropol Territory

## GASEOUS PLASMA see Plasma (ionized gases)

## GASES

New gasless reactor and batchmeter for studying kinetics of gas phase reactions. *I. I. Ioffe, V. S. Fedorov, V. I. Solov'ev. Kinet. i kat.* 7 no. 6, 1099-1100 N-D '66.

Photochlorination of natural and petroleum refinery gases and transformations of chloro derivatives. *Sh. B. Aliyev, V. L. Buhitskiy, I. I. Nematov. Sb. tr. AN Kazakh SSR* no. 3, 319-338 '58.

Use of approximate thermodynamic similitude for an analytical description of the properties of real gases based on limited experimental data. *IA Z. Karavchinskii. Dokl. AN SSSR* 171 no. 1, 898-900 D '66.

Use of boilers in scrubbing exhaust gases of chemical plants. *I. A. Sigal, G. F. Naiderov, N. A. Gurevich. Inzh. i tekhn.* no. 6, 46-48 N-D '66.

## GASES—ABSORPTION AND ADSORPTION

Calculating composition of circulating absorbent in absorption of hydrocarbon gases. *B. K. Maiushkin, Gaz. prom.* 11 no. 12, 14-18 '66.

Ion exchangers as absorbers for gas absorbing apparatus. *A. I. Vukich and others. Bezop. truda v prom.* 11 no. 1, 46-48 Ja '67.

Simple empirical equations permitting to describe absorption equilibria of gas mixtures by means of separation coefficients. *V. S. Puzbuzin, G. M. Penchenkov. Vest. Mosk. un. Ser. 2; Khim.* 21 no. 6, 88-91 N-D '66.

## GASES—ANALYSIS

Automatic maintenance of given ratio of oxygen in a mixture used for oxidation of liquid paraffins to alcohols. *E. F. Kasperovich, N. M. Maslova. Trudy NIISZHIMSa* no. 2, 68-70 '61.

Device with a hydraulic drive for stroboscopic sampling of gas from an engine cylinder. *A. A. Voronkin, R. V. Kazachkov. Energomashinostroyeniye* 12 no. 11, 39-41 N '66.

Using GEUK-21 and TP-1120 gas analyzers for continuous methane control in gas mixture. *G. A. Gonor, Gaz. prom.* 11 no. 12, 36-38 '66.

## GASES—COMBUSTION

*Strizhevskiy, I. I., and V. F. Zakaznov.* [Industrial fire damping devices.] *Promyshlennyye ognepregraditeli. Moskva, Khimlit, 1958. 150 p.*

## GASES—MOLECULAR ROTATION

Thermodynamic functions of diatomic gases with the molecules in the  $^2\Sigma$  electron state. *G. N. Iurkov. Teplofiz. vys. temp.* 4 no. 6, 784-800 N-D '66.

## GASES—PURIFICATION

Performance of downcomerless grid plates in the removal of hydrogen sulfide from gases by the alkalic-soda method. *IU, I. Dylnerskiy and others. Koks i khim* no. 7, 34-37 '63.

Removal of hydrogen sulfide from gas in the "boiling tray" of hydrogen sulfide. *I. V. Burdakov, V. Chagunova. Sb. tr. AN Kazakh SSR* 26 no. 6, 654-661 Ju '61.

## GASES—SPECTRA

Development of a refined spectrographic method for the analysis of gases. *M. M. Mikhlin, V. G. Zimin, I. G. Salaitov. Sb. tr. AN Kazakh SSR* no. 3, 349-356 '58.

## GASES, ASPHYXIATING AND POISONOUS

Influence of the size and materials of stemming on the composition and amount of poison gases generated during blasting. *B. D. Rozov. Vopr. tekhn. nauk* no. 6, 17-21-257 '66.

## GASES, KINETIC THEORY OF

Second virtual component for the interaction between atoms with unfilled electron shells. *P. M. Kesselman and others. Teplofiz. vys. temp.* 4 no. 6, 801-809 N-D '66.

Thermal dissociation of diatomic molecules at high temperatures. *A. I. Osipov. Fizika i khim. khim. 2* no. 5, 610-657 S-O '66.

## GASES, RARE

Chemical compounds of p-terphenyl with noble gases. Part 2: p-terphenyl compounds with krypton and xenon. *A. M. Pirogov, IU V. Kabanov. Radiotekhnika* no. 6, 720-723 '66.

## GASOLINE

Experimental desulfurization of gasoline of their initial cracking. *I. A. Bugni and others. Neft i neftehim* no. 12, 7-11 '66.

Pyrolysis of natural gasoline in flow of superheated vapor. *I. A. Khichurina, G. Kh. Mirzazade, N. S. Pechurov. Neft i neftehim* no. 10, 18-20 '66.

Refining of gasolines. *V. D. Ivanovskiy, I. E. Dolnakov. Sb. tr. AN Kazakh SSR* no. 3, 81-85 '58.

Removal of sulfur compounds from cracked gasoline. *N. M. Irtyukov, S. N. Logvinov. Sb. tr. AN Kazakh SSR* no. 3, 71-80 '58.

Use of low-octane gasolines in carburetor engines. *F. G. Sukhmanova. Sb. tr. AN Kazakh SSR* no. 3, 86-91 '58.

## GASOLINE—PURIFICATION

Softing of gasoline in tanks. *G. Kramarenko, L. Reznik. Avi. transport* 45 no. 1, 33-36 Ja '67.

## GASTRIC FISTULA see Fistula, Gastric

## GASTRIC JUICE

Effect of the mineral water of the Sokolovogorskii Spring (Sarato) on the secretion of gastric juice and bile and the discharge of bile. *S. A. Georgieva, E. M. Ivanovskiy. Vopr. khim. i fiziol. i lekhn. fiz. kul't.* 27 no. 6, 303-303 N-D '62.

Electrolytic composition of gastric juice in peptic ulcer. *A. A. Fisher. Sov. med.* 30 no. 1, 16-50 Ja '67.

Electrolytic composition of gastric juice taken from an empty stomach. *A. A. Fisher. Vopr. pit.* 25 no. 6, 20-24 N-D '66.

Nonadrenalin and adrenalin on stomach wall and gastric juice in dogs. *E. K. Karavova, N. A. Faalan. Biol. zhurn. Akad.* 10 no. 12, 58-61 D '66.

## GASTROENTERITIS

Cytomorphological characteristics of pharyngeal mucous membrane in practically healthy persons and in gastric enteritis patients. *L. I. Kal'shteyn, A. I. Shchurinkova. Izv. Otd. biol. nauk AN Tadzh. SSR* no. 4, 106-107 '66.

## GASTROINTESTINAL MOTILITY

Effect of cerebral cortex stimulation on rumination and motility of multicompartment sheep stomach. *P. Tulbaev, N. Toimayev. Trudy Inst. fiziol. AN Kazakh SSR* 10, 177-184 '66.

Effect of interoceptive stimuli of cecum and ileum on stomach motility in horses. *M. V. Kochetov. Vest. AN BSSR, Ser. biol. nauk* no. 1, 80-84 '67.

Effect of Katsch and Kalk's caffeine breakfast on the motor function of the stomach. *V. A. Reutova. Sb. tr. nauch. trud. SOGMI* no. 10, 18-22 '61.

Effect of khexin and ducarine on the motor activity of the small intestine in dogs. *IA I. Khadzhaev, Farmatsev. zhurn.* 18 no. 3, 56-61 '63.

Efficient representation of zverovs in cerebral cortex of a rabbit. *P. Tulbaev, T. Zverova, F. Taktayev. Trudy Inst. fiziol. AN Kazakh SSR* 10, 185-189 '66.

Secretory and excretory functions of the stomach in thyrotoxicosis before and after treatment with J31. *V. G. Spasivtsova, A. A. Peregudova. Probl. endok. i gorm.* 8 no. 6, 67-71 N-D '62.

## GASTROPODA, FOSSIL see subdivision under Caspian Sea region; Caucasus; Tiraspol' District

## GAUGES

Gauges for measuring the shifting of half-ingot molds on machines of continuous casting. *M. N. Shcheglov, A. I. Nizovov. Sb. tr. AN Kazakh SSR* no. 4, 159-166 '66.

Indicator for controlling work of piston pump valves. *R. Mineta, Mash. i nefteobor.* no. 11, 23-30 '66.





## GEOGRAPHY—STUDY AND TEACHING

Verzhina, A. K. [Geographical games in school, from work experience.] *Geograficheskie igrы v shkole, iz opыta raboty.* Moskva, Prosveshchenie, 1966. 60 p.

## GEOGRAPHY, ANCIENT

The earliest Greek voyages in the Atlantic Ocean. IU, R. *Tsukh. Vestn. drev. ist.* no. 4:119-128 '66.

## GEOGRAPHY, ECONOMIC

Vitvey, L. A. [Economic geography of foreign countries.] *Ekonomicheskaya geografiya razvyeznykh stran.* Pod red. V. P. Maksakovskogo. Moskva, Prosveshchenie, 1967. 541 p.

## GEOGRAPHY, ECONOMIC—CONGRESSES

Economic geography at the 19th International Geographical Congress in Stockholm. IU, G. *Saushkin. Vestn. Mosk. univ. Ser. 5: Geog.* 16 no. 111-20 Ju-F '61.

## GEOGRAPHY, MATHEMATICAL

Activities of the Section of Mathematical Geography of the Russian Geographical Society. Z. K. Novokoshanova. *Trudy Inst. Ist. est. i tekhn.* 12:151-171 '62.

## GEOLOGICAL MODELING

Attempt of laboratory modeling fractures (lineament) of earth. O. I. Chikaya, I. I. Chikaya and others. *Dop. AN USSR no. 10:1333-1336 '66.*

Solution of problems of advance of contour of mineralization and mixture of waters in evaluation of their utilization potentialities by method of modeling. I. K. Glavich. *Izv. vses. uch. i issl. zhen. geol. i tekhn. 10 no. 1:92-101 Ju '67.*

## GEOLOGICAL RESEARCH

(see also subdivision under Caucasus; Gorky Province; Tuva A. S. S. R.)

Information on dissertations defended from July 1, 1965 to October 1, 1966. *Vestn. Mosk. univ. Ser. I: Geol.* 21 no. 6:110-111 N-D '66.

Regional geological explorations completed by the Academy of Sciences during the period of reconstruction of the national economy (1917-1925). L. V. Batishkova. *Trudy Inst. Ist. est. i tekhn.* 42:212-221 '62.

## GEOLOGICAL SOCIETIES

Activity of the Geology Section of the Moscow Naturalists' Society. *Izvest. MOIP, Old. geol.* 36 no. 3:120-131 My-Je '61.

Activity of the Geology Sections of the Moscow Naturalists' Society. *Izvest. MOIP, Old. geol.* 36 no. 5:125-132 9-O '61.

## GEOLOGICAL TIME

(see also subdivision under Antarctic regions; Aral Valley; Balkan, Lake; Carpathian Mountains, Chalkal Range; Kamchatka; Marguerite Bay region; Moldavia; Sayan Mountains; Ural Mountains; Voiga Valley; Yaroslavl Province, Yenisey Range)

Absolute chronology of Cenozoic sediments. V. V. Chudinov and others. *Izv. AN SSSR, Ser. geol.* no. 1:11-20 Ju '67.

*Akademika nauk SSSR, Komissiya po izucheniю chetverichnogo perioda.* [Upper Pleistocene, stratigraphy and absolute geochronology.] *Vechniki pleistotsena, stratigrafiya i absolutnaya geokhronologiya.* Moskva, Nauka, 1966. 283 p.

Calculating the age of the earth's crust by the rubidium-strontium method. IU, A. Shukolukov. *Geokhimiya* no. 11:1023-1026 '61.

Comparison of structural data with the results of the determination of the absolute age of alkali rocks in the region of the Sea of Azov. M. P. Semenenko, I. D. Tsuvayevskiy. *Geol. zhur.* 10 no. 6:3-10 '59.

## GEOLOGICAL TIME—CONGRESSES

Tenth session of the Committee on the Determination of the Absolute Age of Geological Formations. V. I. Baranov, K. G. Knorre. *Geokhimiya* no. 10:946-947 '61.

## GEOLOGISTS

Access to science. V. V. Tikhomirov, L. B. Paulutina. *Izv. AN SSSR, Ser. geol.* no. 1:110-114 Ju '67.

## GEOLOGY

(see also subdivision under Amur Province; Caucasus; Khabarovsk Territory; Kobyslan; Koryak Range; Mongolia; Nerpihiy Lake region; Kamchatka; Siberia, Eastern; Sredniy Range; Stolbovoye Lake region)

Alekandrov, L. N., O. A. Naidonova, and O. V. Iurlova. [Practical course on the fundamentals of geology.] *Praktikum po osnovam geologii.* Moskva, Vysshaya shkola, 1966. 151 p.

Contribution of the geologists of the Moscow Naturalists' Society to the 22d Congress of the CPSU. *Izvest. MOIP, Old. geol.* 36 no. 5:3-6 S-O '61.

Notation principle as applied to geological processes. O. I. Isamov. *Nauch. trudy TashGU no. 234. Geol. nauki* no. 20:207-211 '64.

Some problems of methodology in geology. M. P. Semenenko. *Geol. zhur.* 21 no. 2:3-12 '61.

Study of the earth, geography, and earth sciences. IU, K. Efremov. *Izv. Vses. gos. ob-va* 98 no. 6:507-509 N-D '66.

Works of Mikhail Lomonosov on the science of the earth. A. V. Khabarov. *Izv. MOIP, Old. geol.* 36 no. 7:7-54 S-O '61.

## GEOLOGY—ABSTRACTS

[Geology] *Ref. zhur. Geol.* no. 2 F '67.

## GEOLOGY—BIBLIOGRAPHY

see Bibliography—Geology

## GEOLOGY—CONGRESSES

(see also subdivision under Moldavia)

*International Geological Congress, 21st, Copenhagen, 1966.* [Transactions. Translated from English, German, and French.] *Trudy. Pod red. D. P. Naidina i E. V. Pavlovskogo.* Moskva, Izd-vo inostr. lit-ry, No. 1. [Stratigraphy, paleontology, and paleogeography.] *Stratigrafiya, paleontologiya i paleogeografiya.* 1963. 578 p.

Meetings of the International Mineralogical Association during the 21st Session of the International Geological Congress. T. V. Chukhlov. *Zap. Vses. min. ob-va* 99 no. 1:23-127 '61.

Mineralogical and petrographical problems at the 21st International Geological Congress. S. P. Rodionov. *Geol. zhur.* 21 no. 1:103-108 '61.

Resolutions of Second Session of Symposium "Volcanic Plutonic Formations and Their Ore Potential." *Izv. AN SSSR, Ser. geol.* no. 1:135-136 Ju '67.

Work of the 21st Session of the International Geological Congress. M. P. Semenenko, S. P. Rodionov. *Geol. zhur.* 21 no. 1:95-96 '61.

GEOLOGY—ECONOMIC ASPECTS see subdivision under Turkmenistan

## GEOLOGY—NOMENCLATURE

Classification of geological sciences. D. B. Sarkisian. *Vestn. obshchestv. nauk AN Arm. SSR* no. 4:56-63 Ap '66.

## GEOLOGY, ECONOMIC

Half measures are not enough for the goal. G. Kiselevskiy. *Pait. zhizn'* no. 4:19-24 F '67.

## GEOLOGY, STRATIGRAPHIC

(see also subdivision under Adhaltsikhe region; Georgia; Aidan Plateau; Badkhyz Upland; Black Sea Depression; Black Sea Lowland; Bug Valley; Caspian Lowland; Caspian Sea region; Danester Valley; Dobruja; Donets Valley; Irmenny Peninsula; Karm Sea; Kuzbass Upland; Maya Valley; Moldavia; Osetia, North; Pamirs, Ponzhinsk Range; Prut Valley; Siberia; Siberian Plateau; Tajikistan; Tatar A. S. S. R.; Transcaucasia; Turkmenistan; Uchui Valley; Ukraine; Ural Mountains, Vokhoyansk Range; Yakutia)

*Akademika nauk SSSR, Komissiya po izucheniю chetverichnogo perioda.* [Upper Pleistocene, stratigraphy and absolute geochronology.] *Vechniki pleistotsena, stratigrafiya i absolutnaya geokhronologiya.* Moskva, Nauka, 1966. 283 p.

Boreal Lower Hauterivian. A. N. Ivanov, V. N. Aristov. *Dokl. AN SSSR* 171 no. 6:1402-1404 D '66.

Boundary between Aptian and Albian sediments. M. I. Sokolov. *Dokl. AN SSSR* 167 no. 2:402-105 Mr '66.

Correlative value of the terrigenous minerals in central provinces. I. D. Zhukov. *Izvest. MOIP, Old. geol.* 36 no. 3:102-107 My-Je '61.

*International Geological Congress, 20th, Mexico, 1956.* [Cambrian system, its paleogeography, and the problem of lower boundary, a symposium.] *Kembijskaya sistema ee paleogeografiya i problema nizhnego granitnykh simpozium.* Moskva.

Vol. 3. [Western Europe, Africa, U. S. S. R., Asia, America.] *Zap. Evropa, Afrika, SSSR, Azia, Amerika.* 1961. 515 p. [In 5 languages]

Statement. A. I. Moskvitin. *Trudy Kom. chetv. per.* 18:218-222 '61.

Statement. L. N. Vozniachuk. *Trudy Kom. chetv. per.* 18:222-226 '61.

Statement. M. N. Grishchenko. *Trudy Kom. chetv. per.* 18:210-213 '61.

Subdivision of unified stratigraphic scale of Pre-Cambrian. B. M. Keller. *Dokl. AN SSSR* 171 no. 6:1405-1408 D '66.

## GEOLOGY, STRATIGRAPHIC—CONGRESSES

Information on work of Mediterranean Sea Mesozoic Committee in field of nomenclature of Jurassic system. *Izv. AN Mold. SSR* no. 8:82-84 '65.

Pre-Cambrian correlation. M. P. Semenenko. *Geol. zhur.* 21 no. 1:97-98 '61.

## GEOLOGY, STRUCTURAL

(see also subdivision under Altai Mountains, Apsheon Peninsula region; Armenia; Azov-Kuban region; Baku Bay; Carpathian Mountains; Crimean Mountains; Dnieper-Donets Lowland; Donets Basin; Dnieb Valley; Gissar Range; Kamchatka; Karakum; Kuznetsk Alatau; Lena Valley; Nikolai region; Ukraine; Okami Valley; Patom Plateau; Sikhotealin Range; Turan Plateau; Ukraine, White Russia)

Classification of rocks according to fractured structure and large jump content in the massif. V. K. Rubisov. *Vzryv. delo* no. 61/81:117-120 '66.

Concepts of V. I. Vernadskiy and recent tectonics. V. I. Popov. *Nauch. trudy TashGU no. 234. Geol. nauki* no. 20:22-28 '64.

Gravity effect of the moon and sun on crustal tectonics. *Izv. P. Belankin. Geol. zhur.* 21 no. 1:3-24 '61.

Rudnik, V. A. [Atomic volumetry as applied to metasomatic formation of minerals and rocks.] *Atomno-ob'emyi metod v priimenenii k metasomaticheskomu mineralo-porodochazovaniiu.* Leningrad, Nedra, 1966. 117 p.

Use of heat parameters as one of methods for precision of boundaries in tectonic regionalization. V. N. Sobolevskaya, T. A. Makarenko, IU, G. Bogomolov. *Dokl. AN SSSR* 171 no. 4:941-947 D '66.

Van'ian, L. L. [Establishment of the electromagnetic field and its use for the solution of the problems of structural geology.] *Stanovlenie elektromagnitnogo polya i ego ispol'zovanie dlia resheniya zadach struktural'noy geologii.* Novosibirsk, Nauka, 1966. 101 p.

## GEOMETRICAL DRAWING—STUDY AND TEACHING

Giving attention to the students' training in geometrical drawing. V. V. Bykov. *Skol. i peizh. 10 no. 12:66-67 D '66.*

The students' most frequent mistakes in geometrical drawing. N. M. Kisechko. *Skol. i peizh. 10 no. 12:46-48 D '66.*

## GEOMETRICAL OPTICS

see Optics, Geometrical

## GEOMETRY, DESCRIPTIVE

Drawing a panoramic perspective. V. F. Goran. *Sbor. nauch. trud. LISI* no. 35:57-68 '62.

Drawing a perspective on an inclined picture plane by the method of bounded pictures (without using points of convergence). A. A. Zmetnyi. *Sbor. nauch. trud. LISI* no. 36:5-13 '62.

Drawing on an inclined picture plane perspectives of vertical lines and their segments in the absence of points of convergence (F3) of these perspectives. A. A. Zmetnyi. *Sbor. nauch. trud. LISI* no. 36:14-16 '62.

Drawing perspectives of shadows in the absence of points of convergence of vertical line perspectives. A. A. Zmetnyi. *Sbor. nauch. trud. LISI* no. 36:17-18 '62.

Drawing relief images in a cylindrical layer. V. I. Alekseeva. *Sbor. nauch. trud. LISI* no. 36:66-75 '62.

Drawing vertical projections of the contours of shadows of solids of revolution (architectural details) using a "triangle of shadows." N. K. Iodkovskaya. *Sbor. nauch. trud. LISI* no. 36:47-50 '62.

Linear transformations in a system of linear mappings of four-dimensional space. K. I. Val'kov. *Sbor. nauch. trud. LISI* no. 36:76-85 '62.

Mutual transformation of perspective and axonometric projections. N. V. Belov. *Sbor. nauch. trud. LISI* no. 35:16 '62.

Mutual transformation of perspective images on a vertical picture plane connected with changes in the position of the point of view. N. V. Belov. *Sbor. nauch. trud. LISI* no. 35:27-34 '62.

Solution of metric problems in descriptive geometry. K. I. Val'kov. *Sbor. nauch. trud. LISI* no. 36:80-95 '62.

Use of the theory of perspectives on inclined planes in the projection of high monumental sculptures, comments on the distortion of artistic forms. A. A. Zmetnyi. *Sbor. nauch. trud. LISI* no. 36:19-26 '62.

## GEOMETRY, DIFFERENTIAL

Asymptotic behavior of the number of closed geodesics on compact manifolds of negative curvature. I. A. Smal. *Izv. AN SSSR, Ser. mat.* 30 no. 6:1275-1296 '66.

Differential geometry of curves in a space of constant curvature. V. I. Mashanov. *Trudy TGU* 181:113-125 '65.

Differential geometry of one-parametric families of planes in spaces of constant curvature. V. I. Mashanov. *Trudy TGU* 181:104-112 '65.

Geometry of a vector field. V. P. Dolgovskiy. *Trudy TGU* 181:70-82 '65.

Manifolds of algebraic figures. V. S. Malakhovskiy. *Trudy TGU* 181:5-14 '65.

Some problems in equiaffine geometry of a vector field. V. V. Slukhaev. *Trudy TGU* 181:68-75 '65.

## GEOMETRY, DIFFERENTIAL—PROJECTIVE

Projective differential geometry of a complex of straight lines. R. N. Shecherbakov, G. P. Bozhilko. *Trudy TGU* 181:24-33 '65.

GEOMORPHOLOGY see subdivision under Caspian Sea region; Kamchatka; Kara-Bogaz-Gol (Gulf) region; Khabak Upland; Kereh Peninsula; Kuchurgun Valley; Mingchaur Reservoir region; Prut Valley; Sakem Valley; Smolensk Province; Turkmenistan

## GEOPHYSICAL RESEARCH

see subdivision under Antarctic regions

## GEOPHYSICS

Correlation scheme of formation of geological elements along gravity and magnetic anomalies. O. I. Karataev, IU, M. Gusev, A. V. Cherniy. *Izv. AN SSSR, Fiz. zem.* no. 11:45-54 '66.



## GERMANY—NERVOUS SYSTEM—DISEASES

Review of the book "Fifty years of neuropathology in Germany (1885 - 1945)" E. A. Shternberg Zhurnal 62 no. 11:1716-1717 '62

## GERMANY—WAR CRIMES TRIALS

The Auschwitz trials, Otkrytie Novyem, 25 no. 9: 23 '67.

## GERMANY, EAST—CAPITAL LEVY

Payment for production funds and its effect on the economy of the Democratic Republic of Germany. F. Langner, Fin. SSR 40 no. 12:79-84 D '66.

## GERMANY, EAST—COMMERCE

Economic ties of foreign trade with industry in the Democratic Republic of Germany. V. Volkov, Vnesh. torg 16 no. 12:20-30 '66.

## GERMANY, EAST—FERTILIZERS AND MANURES

Fertilizers and crops in the German Democratic Republic. V. A. Fyodorovskii, Agrokhimia no. 1:116-158 Ja '67.

## GERMANY, EAST—FOOD, CONCENTRATED—PACKAGING

Packaging equipment for food concentrates. V. I. Korzhov, Pish. i lev. prom 21 no. 12:31-33 D '66.

## GERMANY, EAST—FOOD INDUSTRY

Production building for food concentrates plant. Pish. i lev. i inzh. soor. 8 no. 6:32 N-D '66.

## GERMANY, EAST—HISTORY

Doornberg, Stefan. [The birth of a new Germany, 1945-1949. Translated from the German] Rozhdenie novoi Germanii, 1945-1949. Vstup. stat'ia G. S. Sogomolnina, red. E. N. Petrunin, Moskva, Izd-vo Inostr. lit-ry, 1982. 527 p. (OU)

## GERMANY, EAST—INDUSTRIAL MANAGEMENT

Payment for production funds and its effect on the economy of the Democratic Republic of Germany. F. Langner, Fin. SSR 40 no. 12:79-84 D '66.

## GERMANY, EAST—INDUSTRIES

Economic ties of foreign trade with industry in the Democratic Republic of Germany. V. Volkov, Vnesh. torg 16 no. 12:20-30 '66.

## GERMANY, EAST—SHIPBUILDING

Development of vertical hydraulic ship rascals in shipyards of the German Democratic Republic. G. N. Iukol's, I. G. Iaroshovich, Sudostroi 27 no. 1:65-68 Ja '61.

## GERMANY, EAST—SOILS—ANALYSIS

Pavlov, V. D. [Knowledge of soil and plant requirements as the basis of the efficient use of fertilizers, from practices in agriculture of the German Democratic Republic] Znanie pochvy i potrebnosti rastenii-osnova ratsional'nogo primeneniia udobrenii, iz opyta sel'skogo khoz'iaistva GDR, Moskva, 1966, 68 p. (Sel'skokhoziaistvennaia nauka i praktika za rubezhom, 14) (DNAL)

## GERMANY, WEST—CARICATURES AND CARTOONS

Cartoons of history Zhurnal, Agitator no. 17:26 S '62.

## GERMANY, WEST—DEFENSES

Bonn longs to go to war. A. Nosenko, Komm. Ukr. 36 no. 9:39-18 S '60.

## GERMANY, WEST—DESCRIPTION AND TRAVEL

Dmitriyev, E. [Not at all Wunderkinder] Sovsem ne vunderkindy [Moskva] Molodaja gvardiia, 1968 111 p. (Rovesnik slagaet po planete)

## GERMANY, WEST—ECONOMIC CONDITIONS

A "hangover" on the Rhine; letters from Bonn. A. Griportants, Novyem, 25 no. 5:18-19 Ja '67.

## GERMANY, WEST—ECONOMICS

Problem of economic growth in West German bourgeois political economy. V. Kotov, Mir, ekon. i mezhdunar. otn. no. 2:64-73 '67.

## GERMANY, WEST—FASCISM

Irrefutable documents. O. Kuznetsova, Nov. mir 38 no. 10:261-266 O '62.

## GERMANY, WEST—FOREIGN RELATIONS—FRANCE

Kiesinger in Paris. I. I'lin, Novyem, 25 no. 5:20 Ja '67.

## GERMANY, WEST—GUIDED MISSILES

Antitank guided missile in defense. I. Iakovlev, Voen. vest. 41 no. 6:121-122 Je '61.

## GERMANY, WEST—MEAT INDUSTRY

Organization of the production and labor in the meat industry of the German Federal Republic. I. Sorochkin, Mias. ind. SSR 38 no. 1:44-45 Ja '67.

## GERMANY, WEST—MILITARISM

The German question and our time P. Kriukov, Mezhdunar. zhurn' 11 no. 2:13-21 '67.  
Moral corruption of young souls. G. Detschel, Mol. komm. no. 6:108-113 Je '61.

## GERMANY, WEST—MOTORTRUCKS

The "Unimog" motortrucks and their use in West Germany M. A. Klement'ev, Avi. prom 32 no. 12:41-42 D '66.

## GERMANY, WEST—PESTICIDES

Some trends in the production and use of pesticides in the German Federal Republic. P. V. Popov, Khim. i sel. khoz. 5 no. 1:75-76 Ja '67.

## GERMANY, WEST—POLITICS AND GOVERNMENT

Bonn longs to go to war. A. Nosenko, Komm. Ukr. 36 no. 9:39-18 S '60.

The Federal Republic of Germany: the government is new, but the policy? M. Voslenskii, Mir, ekon. i mezhdunar. otn. no. 2:66-98 '67.

The German question and our time. P. Kriukov, Mezhdunar. zhurn' 14 no. 2:13-21 '67.

Irrefutable documents. O. Kuznetsova, Nov. mir 38 no. 10:261-266 O '62.

Political shoots. A. Rakhov, Agitator 34 no. 4:56-56 F '67.

A pretender to the role of "Adolf the Second." A. Blank, Novyem, 25 no. 6:26-27 F '67.

## GERMANY, WEST—PRESS

The Springer Concern. A. A. Demin, Vest. LGU 21 no. 2:14-49 '66.

## GERMANY, WEST—RAILROADS—TIES

Mechanization of the impregnation process in plants of the Federal Republic of Germany. D. P. Belov, Put' i put. khoz. 10 no. 7:45-47 '66.

## GERMANY, WEST—SOCIALIST PARTY

Social characteristics of Christian ethics in the "democratic socialism" of the German Social Democratic Party. V. I. Iliu, Pyateletz no. 1:111-116 '65.

## GERMANY, WEST—WAR CRIMINALS

1969 is not too far away. G. Aleksandrov, Novyem, 25 no. 7:17-18 F '67.

## GERMANY, WEST—YOUTH

Dmitriyev, E. [Not at all Wunderkinder] Sovsem ne vunderkindy [Moskva] Molodaja gvardiia, 1968 111 p. (Rovesnik slagaet po planete)

## GERMINATION

(see also subdivision under Pamins)

Biology of seed germination in some decorative wild plants of Turkmenia. M. B. Ainaeva, Izv. AN Turk. SSR Ser. biol. nauk no. 5:40-44 '66.

Effect of low temperatures on the germination of Norway spruce seeds. I. U. A. Zlobin, N. P. Goshcheva, Izv. vyzn. uch. zav. i les. zhuk. 9 no. 6:13-17 '66.

Studying the field germination of pine and spruce seeds. L. P. Zubovskii, Sbor. nauch. i issl. rab. po les. khoz. no. 6:264-277 '63.

GEYSERS see subdivision under Nalacheva Valley

## GIARDIASIS

Appendicular form of lambliaias. A. A. Dyskin, Khirurgiia 38 no. 11:127 N '62.

## GIBBERELLIN

Configuration of isomeric 2-keto-4-methoxy derivatives of gibberellin A methyl ester. I. A. Gurvich and others, Izv. AN SSSR, Ser. khim. no. 12:2233-2235 '66.

Effect of gibberellin on the content of nitrogen, phosphorus, and potassium in hemp plants. N. I. Iakushkina, V. N. Kharin, Agrokhimia no. 1:130-135 Ja '67.

Effect of gibberellin on the photosynthesis and carbohydrate metabolism in tree species. D. A. Komissarov, L. P. Shtenval't, Sbor. nauch. i issl. rab. po les. khoz. no. 9:253-259 '63.

Effect of gibberellin on the virus X of potatoes in vitro and in vivo. L. K. Zhorechuk, Trudy KHSKH 56:130-135 '66.

Gibberellins and gibberellinlike substances from culture fluid of Fusarium moniliforme. V. N. Agnatieva and others. Mikrobiologiya 35 no. 6:1037-1043 N-D '66.

Role of gibberellins in photoperiodism processes and plant vernalization. M. Kh. Chalikhan. Biol. zhur. Arm. 10 no. 12:13-14 D '66.

GILYAKS see Nivkh

## GIRDERS

Diagonal impact on mass attached to continuous beam. M. V. Biokh, Stroim. mekh. i rasch. soor. 9 no. 1:41-44 '67.

Fatigue cracks in the lower zones of steel crane beams. A. A. Bat', Prom. stroi. 38 no. 12:54-55 '61.

Space loading of spalls with various numbers of diaphragms. E. I. Shil'man, A. P. Varvak, A. A. Potapkin, Transp. stroi. 16 no. 4:44-45 Ap '66.

Using mathematical methods in investigating labor-consuming processes. M. E. Khar'it, Transp. stroi. 16 no. 1:30-34 Ap '66.

## GIRDERS—ELASTIC PROPERTIES

Calculation of elastic supports in steel reinforced concrete beams. B. P. Matkov, Transp. stroi. 16 no. 1:12-13 Ap '66.

## GIRDERS—VIBRATION

Decreasing dynamic loading from seismicity with the help of relieving beams. M. S. Mikhlin, Prom. stroi. i inzh. soor. 8 no. 6:11-12 N-D '66.

Random vibrations of a beam allowing for energy losses and geometrical nonlinearity. V. M. Boshchalenko, Dokl. AN USSR no. 10:1267-1271 '66.

Vibration strength of I-beams of dead melt converter steel. E. V. Goshkov, Prom. stroi. 44 no. 12:37-39 '66.

Vibrations of three-layer beams. A. I. Smirnova, Dokl. AN SSSR 179 no. 3:561-564 Ja '67.

## GIRDERS—WELDING

Plant manufacture of prefabricated welded spine structures. G. A. Mamlin, K. S. Pitanova, A. S. Orlov, Transp. stroi. 16 no. 2:21-23 I '66.

Production of low T-sections for welded broad flange beams. A. A. Kazimirov, A. A. Medvedev, Stroi. 21 no. 11:1001-1005 N '61.

## GIRLS

Jackiewicz, Elzbieta. [What every girl desires to know. Translated from Polish] O chem khochet zunt' kazhdai devushka, Moskva, Meditsina, 1968, 30 p. (Nauchno-populiarnaya meditsinskaya literatura) (DNLM)

## GISSAR RANGE—ALPINE FLORA

Taluses of Gissar Range highlands in the vicinity of Anzob Pass and their vegetation. A. Dzhurayev, Izv. Old. biol. nauk AN Tadzh. SSR no. 4:47-53 '66.

## GISSAR RANGE—GEOLOGY, STRUCTURAL

Some characteristics of Lower-Cretaceous structural plan of southwestern spurs of Gissar Range. E. I. Zait'man, Izv. vyzn. uch. zav. i les. zhuk. 9 no. 1:12-21 Ja '67.

## GISSAR RANGE—GRANITE—ANALYSIS

Petrochemical characteristics of granitoids of southwestern spurs of the Gissar Range. I. M. Isamukhamedov, P. D. Kupechenko, Nauch. trudy TashGU no. 231. Geol. nauki no. 20:135-161 '61.

## GISSAR RANGE—ORE DEPOSITS

Some geochemical indications of relation of mineralization to igneous activity in southwestern part of Gissar Range. B. F. Vasilevskii, Nauch. trudy TashGU no. 234. Geol. nauki no. 20:20-40 '64.

## GISSAR RANGE—ROCKS, IGNEOUS

Some geochemical indications of relation of mineralization to igneous activity in southwestern part of Gissar Range. B. F. Vasilevskii, Nauch. trudy TashGU no. 234. Geol. nauki no. 20:20-40 '64.

## GISSAR RANGE—ROCKS, IGNEOUS—ANALYSIS

Some data on acid effusives in region of Kyzyl-Dar'ya River (Gissar Range). V. A. Pimshina, Nauch. trudy TashGU no. 231. Geol. nauki no. 20:164-176 '64.

## GISSAR RANGE—SCALE INSECTS

Supplement of fauna and biology of scale insects (Homoptera, Coccidae) of Kondara gorge. B. Bazarov, Izv. Old. biol. nauk AN Tadzh. SSR no. 4:78-86 '66.

## GISSAR RANGE—SOIL MOISTURE

Size of soil layer under calculation. E. V. Chaporskaya, Izv. Old. biol. nauk AN Tadzh. SSR no. 4:100-111 '66.

## GISSAR RANGE REGION—METAMORPHISM (GEOLOGY)

Processes of metamorphism of sedimentary and effusive formations in region of Obinavruzaknaya intrusion. N. P. Kholopov, Nauch. trudy TashGU no. 234. Geol. nauki no. 20:177-193 '64.

## GLACIAL EPOCH see subdivision under Sayan

Mountains; Sredimnyy Range

## GLACIERS

(see also subdivision under Altai Territory, Kamchatka; Kazakhstan, Sredimnyy Range)

Surface travel time curves of reflected waves in anisotropic media. G. S. Kravtsov, Trudy TGU 164:130-137 '63.

## GLACIOLOGY—CONGRESSES

Problems of glacier morphology and paleogeography at the 19th International Geographical Congress in Stockholm. K. K. Markov, Vest. Mosk. un. Ser. 5, Geog. 16 no. 1:71-78 Ja-F '61.

Third All-Union Glaciological Symposium. V. N. Vinogradov, Vop. geog. Kamch. no. 4:146-147 '66.

**GLADIOLUS—VARIETIES** see subdivision under **Alkhuza**

## GLANDS

Cytochemical study of glandular apparatus in hen oviduct  
V. M. Gilyafov. *Arkhi anat. i gist. i emb.* 51 no. 10 75-80 Q '66

## GLASS

Study of gold-inhiby glass on the Ust'Rudny factory, O. A. Kul'shita. *Gol. zhur.* 21 no. 1 74-78 '61

## GLASS—THERMAL PROPERTIES

Approximate calculation of the unsteady glazing of glassy materials  
S. K. Mityaev. *Inzh.-fiz. zhur.* 11 no. 6 730-736 D '66

## GLASS, OPTICAL

Effect of coloring impurities on the light absorption of lanthanum glass.  
L. I. Galant, N. I. Vlasova, N. A. Vlasova. *Opt.-mekh. prom.* 33 no. 12 41-50 D '66

Effect of optical glass properties on cooling process.  
V. I. Pivnenko. *Dop. AN URSR* no. 10 1321-1322 '66

Refraction indexes of K108, Lk8, and TFl1 glasses at the temperature of liquid hydrogen.  
A. M. Selczanova, A. I. Stozharov. *Opt.-mekh. prom.* 33 no. 12 21-22 D '66

## GLASS CONTAINERS

Device for conveying cylindrical articles, mainly glass cans.  
U. A. Menetov. *Sbor. izob. v ryb. prom. za 1961 g.* 86-87.

Device for removing glass cans from a forked transporter and transferring them to the transporter of a processing machine.  
G. I. Klimentov. *Sbor. izob. v ryb. prom. za 1961 g.* 80-81.

Reduce the breakage of glass preserve containers.  
R. M. Cherakov. *Kons. i ov. prom.* 21 no. 12 12-14 D '66.

## GLASS CONTAINERS—CLEANING

Machine for washing glass cans.  
B. V. Zibankov, I. P. Stal'ohatnyl. *Sbor. izob. v ryb. prom. za 1961 g.* 90-92.

Machine for washing glass cans.  
V. Sh. Vigderman, M. A. Pogor. *IU. A. Korylov. Sbor. izob. v ryb. prom. za 1961 g.* 87-89.

## GLASS CONTAINERS—STERILIZATION

Glass can carrier for a continuously operating sterilizer and a device for delivering cans to a carrier.  
M. S. Aminov. *Sbor. izob. v ryb. prom. za 1961 g.* 84-86.

## GLASS CUTTING

Electrical apparatus for cutting glass.  
Stroil. i khil. Uzb. 7 no. 12 19 D '66

## GLASS FIBERS

Glass reinforced cement is a structural material reinforced with nonstressed fiber glass.  
K. L. Baniukovich, I. U. L. Baniukovich. *Stroil. mat.* 7 no. 11 18-20 N '61

Some properties of fabrics made from glass fibers.  
M. I. Sukharev, G. E. Orlov. *Izv. vys. ucheb. zav., tekhn. log. prom.* no. 6 30-33 '66.

## GLASS FIBERS—TESTING

Mechanical characteristics of twisted glass fiber and glass string under effect of tension.  
T. V. Biltida. *Dop. AN URSR* no. 12 1558-1561 '66.

## GLASS MANUFACTURE

(see also subdivision under **Borlasov, White Russia, Gomel**)

Norms for the number of engineering and technical workers in glass enterprises.  
2:14-17 F '67

## GLASS MANUFACTURE—CHEMISTRY

see subdivision under **Soviet Central Asia**

## GLASS PAINTING AND STAINING

Artistic methods used in present-day art of stained glass.  
V. P. Statun. *Trudy MVKHPU* no. 2 178-203 '62.

## GLASS PIPE

see **Pipe, Glass**

## GLASS REINFORCED PLASTICS

Binders for fiber glass based on epoxy resins.  
L. I. Golubenkova and others. *Plast. massy* no. 1 16-18 '67.

Deformation of fiber glass during repeated static bending.  
S. F. Glazov. *Plast. massy* no. 1 58-61 '67.

Filters from glass plastic pipes.  
V. M. Gavrilko, V. S. Alekseev. *Vod. i san. tekhn.* no. 11 16-18 N '66.

Glass as hard as steel.  
B. Rudoi. *Grazhd. av.* 19 no. 2: 30 F '62.

Mordvin, A. P., E. M. Ershov, and V. I. Davydov. [Mechanical processing of fiber glass produced by the winding method] *Mekhanicheskaya obrabotka stekloplastikov, polucheniye metodom namotki.* Leningrad, 1966. 38 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Nauchno-tekhnicheskii opt. Seriya Plast-massy i ikh primeneniye v promyshlennosti)

Mozharovskii, V., and L. Tsvilkova. [Further developments in producing and introducing progressive blanks at enterprises of the Latvian S. S. R. based on exhibition materials] *Dal'nieshee razvitiye proizvodstva i vvedeniye progressivnykh zagotovok na predpriyatiakh Latvisskoi SSR, po materialam tematicheskoi vystavki.* Riga, Latvisskii respubl. in-1 nauchno-tekhn. informatsii i propagandy, 1966. 23 p.

Studying lateral bending of corrugated glass plastic.  
V. N. Gornov. *Stroil. mekh. i inzh. av.* 9 no. 1 16-19 '67.

Unit for producing sheet glass reinforced plastics.  
V. P. Novitskii, V. I. Nizolacv. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 11 42-11 N '66.

## GLASS REINFORCED PLASTICS—MOLDING

Molding shaped parts of glass-reinforced plastics.  
M. N. Bolin and others. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 11 4-6 N '66.

## GLASS REINFORCED PLASTICS—TESTING

Mechanical characteristics of oriented glass-fiber reinforced plastics under effect of tension.  
G. V. Biltida. *Dop. AN URSR* no. 10 1280-1283 '66.

Studying the kinetics of the process of breakdown of glass reinforced plastics.  
I. N. Rabonov, V. M. Sinitskii, I. I. Stepanychev. *Nashimovedeniye* no. 1 108-101 Ja-T '67.

Theoretical estimate of the effect of speed of extension on tensile strength of soft reinforced plastics on crossed rays.  
I. S. Umanskyi. *Dop. AN URSR* no. 12 1561-1566 '66.

## GLASS REINFORCED PLASTICS, EFFECT OF TEMPERATURE ON

Microstructure of fiber glass after one-sided heating at high temperatures.  
V. A. Smirnov. *Plast. massy* no. 1 61-64 '67.

## GLASSWARE—STANDARDS

Review state specifications for silicate articles for broad consumption.  
L. M. Shcheglov, N. S. Alekseev. *Stand. i kach.* 30 no. 11 95 N '66.

## GLASSWORKERS—DISEASES AND HYGIENE

see subdivision under **Ordzhonikidze**

## GLAUCONITE

see subdivision under **Bazan Valley, Dastana Valley; Georgia**

## GLAZING

Impact testing of glazed tubing.  
A. G. Kan, E. E. Bochenov. *Izv. vys. ucheb. zav. i nauch. i inzh. av.* 9 no. 8 90-94 '66.

## GLOBULIN

Blood serum  $\alpha_2$ -globulin, modifying trypsin activity.  
V. A. Belitskiy, E. L. Khodorova, E. A. Smekhnova. *Dokl. AN SSSR* 172 no. 3 723-726 Ja '67.

Polymorphism of globulins in egg albumins of fowl.  
O. Podet, I. U. G. Pavel. *Genetika* no. 12 120-121 '66.

## GLOMERULONEPHRITES

Corticosteroid therapy in glomerulonephritis.  
M. IA. Ratnet and others. *Sov. med.* 30 no. 1 27-35 Ja '67.

## GLUCOMANNANS

Reserve galactomannans and glucomannans in seeds, bulbs, and rhizomes.  
B. N. Stepanenko. *Usp. khim.* 30 no. 5 626-644 My '61.

## GLUCOPYRANOSE

Synthesis of 2, 3, 4, 6-tetra-O-acetyl- $\beta$ -D-glucopyranosyl diethyl phosphite.  
A. IA. Khortin and others. *Izv. AN SSSR, Ser. Khim.* no. 12 2207-2208 '66.

## GLUCOSE

Separation of crystalline glucose as a double salt with sodium chloride from sulfuric acid hydrolysates.  
N. V. Lebedev, M. N. Liubetskaya, A. A. Rannikova. *Sbor. trud. NIIGS* 14:203-215 '65.

Use of the method of salt (extractive) rectification for the decomposition of hydrochloric acid in the hydrolysis glucose production.  
O. V. Tyshetskaya, I. M. Ginzelshteyn, N. V. Lebedev. *Sbor. trud. NIIGS* 11:216-221 '65.

Working out a method for the crystallization of glucose salt from sulfuric acid hydrolysates; preparation of syrups for crystallization.  
N. V. Lebedev and others. *Sbor. trud. NIIGS* 14:182-202 '65.

## GLUCOSE METABOLISM

Effect of salts ( $\text{Na}_2$ , Mg, Ni, and Ba) of  $\beta$ -hydroxynaphthoic acid on glucose consumption in *Ascaris suum*.  
Goetz, 1782. M. Lazdina, I. A. Pushkarev. *Med. paraz. i paraz. bol.* 35 no. 6 732-733 N-D '66.

## GLUCOSE OXIDASE

Characteristics of glucose oxidase and catalase biosynthesis by *Penicillium vitale* on media different carbohydrates.  
N. V. Pokrovskaya and others. *Mikrobiologiya* 35 no. 6 957-959 N-D '66.

## GLUTAMIC ACID

Changes in alkaline phosphatase activity in small intestine mucosa following aminopterin injection.  
R. A. Brodskii. *Vop. pit.* 25 no. 6 65-67 N-D '66.

Inhibitors of DNA and protein syntheses as mutagenic agents to nonmammalian cells in vitro.  
L. K. Slukhina, I. F. N. Iolkacheva, N. I. Shapuro. *Genetika* no. 12 25-35 '66.

## GLUTARIC ACID

Effect of various fertilizers on assimilation and transport of glutaric acid in homogenates of grass roots and leaves.  
Sob. AN Chuv. SSR 44 no. 3 623-630 Ja '65.

## GLUTARIC ANHYDRIDE

Synthesis and study of polyamides from glutaric dichlorides and aromatic diamines.  
O. IA. Fedotkin and others. *Izv. vys. ucheb. zav., khim. i khim. tekhn.* 9 no. 5 761-767 '66.

## GLUTATHIONE

Effect of the climatic factors and hydrogen sulfide on the content of glutathione in human blood.  
S. M. Gasanov, A. Z. Babayev, I. L. Kravets. *Sbor. trud. A. el. nauch.-issl. inst. kur. i fiz. metod. tekhn. i med. 121 '62.*

## GLYCINE

Radioprotective and radiometric action of propyl gallic acid in glycine and hemin solutions.  
M. I. Anisheva, N. A. Duzhenkova. *Radiofizika* 2 no. 1 60-610 '62.

## GLYCINE CRYSTALS—SPECTRA

Symmetry of  $\text{SO}_4^{2-}$  ions of triglycine selenate crystals in polar and isotropic phases.  
L. K. Ginzelshteyn. *Izv. Akad. Nauk SSSR, Ser. Khim.* no. 11 3306-3308 N '66.

## GLYCOGEN

Histochemical study of the effect of ionizing radiation on nuclear acid and glycogen dynamics in the liver of rats.  
G. D. Gubin. *Radiofizika* 2 no. 1 553-557 '62.

Ribonucleic acid and glycogen content of the cells of hemopoietic tissues in healthy cattle and cattle with babesiosis.  
I. M. Karpukhin. *Vestnik AN BSSR, Ser. Med. i nat. nauch.* no. 4 117-121 '66.

## GLYCOLS

Catalytic hydrogenation of acetylenic  $\gamma$ -glycols and their derivatives.  
Report No. 1: Hydrogenation of  $\beta$ -13  $\gamma$ , ethyl ethers. P. S. Butaev and others. *Izv. AN SSSR, Ser. Khim.* no. 12 2176-2179 '66.

Chemical transformations of diols and organic oxides.  
Report No. 11: Synthesis of 3,1-dialkyl- and aryl substituted  $\beta$ -oxides. N. I. Shuklin, M. Bartok, I. Khoroshin. *Izv. AN SSSR, Ser. Khim.* no. 1 153-157 Ja '67.

Reaction of dialkyl (dichloroamino) silanes with glycols.  
K. A. Andrianov and others. *Izv. AN SSSR, Ser. Khim.* no. 12 2220-2231 '66.

## GLYCOPROTEINS

Fluctuations of the content of serum glycoproteins during acute nephritis in children.  
L. M. Pitankova. *Sov. med.* 29 no. 1 76-81 N '66.

## GLYCOSIDES

Isolation and study of the Rumex confertus Will. glycoside.  
Report No. 1. O. K. Babin. *Estimatsiya zhur.* 18 no. 3 47-52 '63.

Structure of olivomycins and chloromycins.  
I. U. A. Deryzhin and others. *Dokl. AN SSSR* 171 no. 1 153-156 Ja '65.

## GLYOXIME

Study of oxidized nickel dimethylglyoximate by means of ion exchange.  
M. K. Bortko, E. I. Kozontsev, I. I. Katinichenko. *Zhur. neorg. khim.* 12 no. 1 269-271 Ja '67.

## GNEISS

Accessory minerals of gneisses.  
V. V. I. Iakobovich. *Mn. shor.* 20 no. 2: 189-200 '66.

## GNIDIN OIL FIELD—ELECTRONIC DATA PROCESSING—PETROLEUM PRODUCTION

Using USM-1 electronic computers for more accurate determination of reservoir characteristics and development of Gnidin oil field.  
P. A. Zhelezov, V. P. Chernykh, I. U. G. Slovachevskii. *Nef. i gaz. prom.* no. 6 27-32 N-D '66.

## GOAT'S MILK

see subdivision under **Kazakhstan**

## GOBIES

see subdivision under **Azov, Sea of**

## GOGOL', NIKOLAI VASIL'EVICH, 1809-1852—MUSICAL SETTINGS

Plumeneva, G. A. [Gogol' and music] *Gogol' i muzyka.* Moskva, Muzyka, 1966. 214 p.

## GOGOL', NIKOLAI VASIL'EVICH, 1809-1852—TRANSLATIONS, FRENCH

Problems of the art of translation, M. Rimbaud's work on the translation of Gogol's "Inspector general." N. I. Rudenko. *Inoz. filol.* no. 6 145-152 '66.



- GOITER**  
(see also subdivision under Khabitzistan)  
Complete retrointernal goiter. V. V. Arishev, Probl endok, 1 goim 8 no 6 65-80 N-D '62  
Early surgical intervention as the most radical method of treating thyrotoxic goiter. V. I. Ishchenko, Sov med 24 no 10 86-89 O '66  
Histohistochemistry of polysaccharides, lipids and nucleoproteins of the human thyroid gland in different forms of goiter. N. S. Dotsenko, A. M. Rudnitskaya, P. P. Kalitovskiy, Probl endok, 1 goim 8 no 6 75-80 N-D '62  
Megakaryocytopoiesis and thrombocytopoiesis in diffuse toxic goiter during the period of treatment with I<sup>131</sup>. O. N. Piskunov, A. M. Ilyukhovskaya, Med rad, 12 no 1 182-85 Ja '67
- GOITER—CONGRESSES**  
Naučno-prakticheskaia konferentsiia po probleme endemicheskogo zoba i mikrocementov, Ist, 1964. [Materials of the First Scientific and Practical Conference on the Problem of Endemic Goiter and "Trace Elements" Materially. Kazan', Kazanskii med. inst, 1964. 236 p.]
- GOLD**  
Recovery of gold from washing solution. F. V. Barmova, Prom Bel 10 no 1 17 Ja '67
- GOLD ISOTOPES—THERAPEUTIC USE**  
Subarachnoid introduction of colloidal Au<sup>198</sup> in preventing metastatic medulloblastomas. E. I. Kandeil, B. M. Mass, M. M. Ilatov, Med rad 7 no 10 21-25 O '62
- GOLD MINES AND MINING**  
Leti! Communist! at the dragline. Part. zhizn' no 4 58 F '67
- GOLD ORES**  
(see also subdivision under Kamchatka; Kametsk Altai; Sakhalin Range, Soviet Far East; Uzbekistan)  
Certain features of gold mineralization in Konnamar ore deposit and magnetite of "Kallotskaya" deposit. A. V. Bolymilov, V. N. Sergeev, Trudy TGU 16 106-101 '64  
Use of an alternating current charge method in a gold deposit. R. V. Hupachev and others, Razved i otkr, mech 26 no 1 49-52 Mt '60
- GOLD-SILICON ALLOYS—SPECTRA**  
Studying impurity photoconductivity of gold-doped silicon surface. O. V. Smilko, M. A. Pashchynk, Ufa fiz zhur 11 no 12 1316-1317 D '66
- GOLD-ZINC-SILICON ALLOYS**  
Photoconductivity of silicon with Au and Zn admixtures. B. D. Hlynnuk, A. D. Denysova, N. M. Lytovchenko, Ukr fiz zhur 11 no 12 1324-1331 D '66
- GOLDSMITHING**  
Investigations in the work of jewelers of the ancient world. E. I. A. Mikhukov, Trudy MYKHPU no 2 78-81 '65
- GOLDSZMIT, HENRYK, 1878-1912**  
Wisdom, heart, and talent of a teacher. L. A. Kasanin, Sov. pedagog 71 no 11 133-137 Ja '67
- GOLODNAYA STEPPE—COTTON—FERTILIZERS AND MANURES**  
Effect of the prolonged use of fertilizers on the productive capacity of light-colored Sierozem soils of the "Pashata-Aral" State Farm. N. P. Malinkin, U. Bekturnev, Nauch. trudy TashGU no 210 95-107 '62
- GOLODNAYA STEPPE—IRRIGATION**  
One effective land cover. A. A. Sarkisov, Mol. komm, no 12 64-65 D '61
- GOLODNAYA STEPPE—IRRIGATION CANALS AND FLUMES**  
Hydraulic investigation of standard tubular outlet structures for the Golodnaya Steppe. E. I. Pavlova, Trudy TashGU no 15 78-82 '60
- GOLODNAYA STEPPE—SIEROZEM**  
Effect of the prolonged use of fertilizers on the productive capacity of light-colored Sierozem soils of the "Pashata-Aral" State Farm. N. P. Malinkin, U. Bekturnev, Nauch. trudy TashGU no 210 95-107 '62
- GOLODNAYA STEPPE—SOILS—CLASSIFICATION**  
Soils of the "Druzhba" State Farm in the Golodnaya Steppe. Kh. A. Abdullov, Nauch. trudy TashGU no 210 3-42 '62
- GOLODNAYA STEPPE—SOILS, SALTS IN**  
Vertical distribution of salts in the profile of soils of the irrigated northwestern part of the Golodnaya Steppe. I. D. Galinskii, Vest. sel'khoz. nauki [Kazani,] 10 no 1 33-37 Ja '67
- GOMEL'—GLASS MANUFACTURE**  
Izomozov Glass Factory in Gomei. A. M. Sadovskii, Prom. Ref. 10 no 1 26-30 Ja '67
- GOMEL'—METALLURGICAL LABORATORIES**  
Collective research of a plant laboratory. N. A. Potapov, Prom. Ref. 10 no 2 37 F '67
- GOMEL'—SHOE INDUSTRY**  
Economicizing gives this. E. Shagovik, Prom. Ref. 10 no 1 53 Ja '67
- GOMPHOCARPUS—THERAPEUTIC USE**  
Treatment of cardiac insufficiency with gomphotin. M. A. Angarskaya, P. I. Bezruk, O. I. Krivolutskaia, Sov. med 24 no 11 28-31 N '66
- GONADOTROPIN**  
Effectiveness of the use of pregnant mare's serum in sheep farming. A. Sh. M. Amaratov, Vest. sel'khoz. nauki 11 no 12 70-83 D '66
- GONIOPHOTOMETER**  
Goniophotometric study of crystal surface. V. A. Mokheva, Muz. sbor 20 no 4 566-568 '66
- GOOSEBERRIES**  
Gooseberries. B. Aleksandrov, Sem'ia i shkola 21 no 7 52 Ji '66
- GORIACHUKIN, VASILII PROKHOROVICH, 1868-1935**  
The founder of agricultural mechanization. B. Zhdanov, Tekh. v sel'khoz. 21 no 12 67 D '61
- GORKII MAKSIM 1868-1936**  
Fedin, K. A. [Gorkii among us, pictures of literary life] Gorkii sredi nas; knizhnyi literaturnoi zhizni. [Moskva] Molodai gvardiia, 1961. 350 p.  
Our writings should be specific and convincing (M. Gorkii on the role of facts in journalism). V. D. Pol't. Vost. Mosk. un. Ser. II. Zhur. 21 no 6 3-17 N-D '66  
Val'be, B. S. [The life of Klim Sangin] "In the light of the history of Russian social thought" Zhizn' Klime Sangina v svete istorii russkoi obshchestvennoi mysli. Moskva, Sovetskii pisatel', 1966. 286 p. (InU)
- GORKIY—AUTOMOBILE INDUSTRY**  
New technology for the heat treatment of differential crosses of driving axles of the GAZ motor trucks. V. F. Iysenko, S. D. Goriachuk, Avi. prom. 33 no 1 32-34 Ja '67
- GORKIY—AUTOMOBILE INDUSTRY—PRODUCTION STANDARDS**  
Method simplifying the efficiency expert's work. S. Zampukov, Sots. trud. 12 no 2 106-110 F '67
- GORKIY—SOAP INDUSTRY—EQUIPMENT AND SUPPLIES**  
Mechanized grease trap for the cooling of soap lyce. E. I. Karnauchenko, A. V. Lugovol. Maal. zhizn. prom. 33 no 1 35-36 Ja '67
- GORKIY—SOCIAL GROUP WORK**  
From our microregion. A. A. Zaykov, Aghator 34 no 3 39 F '67
- GORKIY PROVINCE—GAGEA**  
New species of the genus Gagea Salish, in Gorkiy Province. E. M. Kut'yeva, Uch. zap. GGU no 50 26-27 '59
- GORKIY PROVINCE—GEOLOGICAL RESEARCH**  
History of studies on geology and mineral resources in Gorkiy Province. N. M. Shomysev, Uch. zap. GGU no 50 312-321 '59
- GORKIY PROVINCE—PLANTS, ORNAMENTAL**  
Wild ornamental plants of Gorkiy Province. S. L. Kubanova, Uch. zap. GGU no 50 18-25 '59
- GORKIY PROVINCE—PYRALID MOTHS—EXTERMINATION**  
Pyralid moth Zophodia convolutella Hb. in Gorkiy Province and the measures for its control. N. D. Perlova, R. A. Dornovskaya, Uch. zap. GGU no 50 266-279 '59
- GORKIY PROVINCE—STOCK AND STOCKBREEDING**  
How does the wintering of cattle advance? Part. zhizn' no 2 63 Ja '67
- GORKIY PROVINCE—STRAWBERRIES—VARIETIES**  
Chemical composition of some varieties of strawberries in Gorkiy Province. V. A. Guseva and others, Uch. zap. GGU no 50 53-73 '59  
Strawberry varieties for Gorkiy Province. N. P. Zernov, Uch. zap. GGU no 50 150-160 '59
- GORKIY PROVINCE—TENT CATERPILLARS**  
Effect of cobalt on the development of the Chinese tent caterpillar. A. P. Sheremet'eva, Uch. zap. GGU no 50 247-252 '59  
Feeding hybrid populations of the Chinese tent caterpillar in Gorkiy Province. A. P. Sheremet'ev, Uch. zap. GGU no 50 253-259 '59
- GORKIY RESERVOIR—BREAM**  
Results of bream tagging in Gorkiy Reservoir. A. G. Poddubnyi, Trudy Inst. biol. vnutr. vod. no 10 249-254 '66
- GORKIY RESERVOIR—FISH CULTURE**  
Present state and future development of fisheries in Gorkiy Reservoir. N. A. Gordeev, Trudy Inst. biol. vnutr. vod. no 10 106-206 '66
- GORLOVO BASIN—ANTHRACITE COAL—TESTING**  
Large-scale laboratory testing of Lest. janskii anthracite in electric materials for lining the bottom of electric furnaces in the aluminum electrolysis. A. S. Ostashkevskaya and others, Trudy Khim.-met. inst. Sib. otd. AN SSSR no 16 129-134 '61
- GORNAY' SHORIYA—LAUMONTITE**  
Laumontite from contact-metamorphic deposits of Gornaya Shoriya. V. K. Chustak, Trudy TGU 164 63-68 '63
- GORNO-ALTAI AUTONOMOUS PROVINCE—INSCRIPTIONS, RUNIC**  
Three Runic inscriptions from the village of Menaur Sokken in Gorno-Altai Autonomous Province. N. A. Bryukhova, Sov. etn. no 6 79-83 N-D '66
- GOSSYPOL**  
Hydrolysis of reaction products of gossypol with anthranilic acid. V. P. Razhukhin, A. B. Belova, Zhur. prikl. khim. 3' no 6 1342-1347 Je '61
- GOTLAND—KARST**  
Some observations of karst in Gotland. N. A. Gvozdrtskii, Vest. Mosk. un. Ser. 5 Geog. 15 no 1 65-68 Ja-F '61
- GOTTWALD, KLEMENT, 1896-1953**  
K. Gottwald's role in carrying out the revolutionary line of the Czechoslovak labor movement. A. I. Nedozorov, Sov. slav. no 1 28-31 '67
- GOVERNMENT BUSINESS ENTERPRISES—LAW AND LEGISLATION**  
Implementation of Regulations on Government-owned Socialist Industrial Enterprises. Z. A. Tkach, Sov. gos. i pravo no 1 88-97 Ji '67
- GOVERNMENT LIABILITY**  
Liability for the unlawful acts of policemen. N. S. Malen, Sov. gos. i pravo no 1 131-132 Ja '67
- GOVERNMENT OWNERSHIP** see subdivision under Mail
- GOVERNMENT PROPERTY**  
Legal status of the property of government-owned enterprises. S. Korneev, Sov. iust. 31 no 3 3-4 F '67
- GOVERNMENTAL INVESTIGATIONS** see subdivision under United States
- GOVERNORS (MACHINERY)—HYDRAULIC DRIVING**  
Calculating braking force counteracting movements of regulator piston with liquid friction. G. T. Shapoval, Izv. vuz. ucheb. zav. gor. zhur. 8 no 9 107-111 '65
- GOYTISOLO, JUAN**  
The death of hope. R. Zernova, Nov. mir 38 no 10 251-253 O '62
- GRADING AND MARKING (STUDENTS)**  
From the experience of checking the students' knowledge. V. A. Shilov, Sred. spets. obr. 13 no 7 21-22 Ji '66  
Our opinion on the grading of manual training. V. M. Lutov, Shkola i protiv 10 no 10 26 O '66  
Systematic checking and assessment of the students' knowledge. A. Maksimov, Sred. spets. obr. 13 no 7 19-21 Ji '66
- GRAFTING**  
Specific influence of stock on scion. V. A. Vaukhova, Genetika no 11 42-57 '66
- GRAIN**  
(see also subdivision under Krasnodar Territory; Kustanay Province; Leningrad Province)  
Grain of Russia. P. Merkulov, Zap. sel'khoz. prod. no 11 4 N '66  
New regulations for the organization of, and introduction of, mechanization in the grain enterprises. L. Khabeev, Muk. -elev. prom. 26 no 3 18-19 Mr '60  
Operation of self-sorting grain separators. M. Grinzhut, E. Melnikov, Muk. -elev. prom. 26 no 4 17-19 Ap '60  
The SZS grain stubble planter. V. Mamakin, Tekh. v sel'khoz. 27 no 1 36-37 '67  
Use of VP-4 and VE-2M moisture meters for accelerating the measurement of moisture content in grain and corn. F. Dykhne, Muk. -elev. prom. 26 no 3 20-21 Mr '60  
Ways of increasing the production of grain in the non-Chernozem region. D. Brezinev, A. Trofimovskaya, N. Iakovlev, Ekon. sel'khoz. 42 no 1 83-90 '67
- GRAIN—ANALYSIS**  
Determination of volatile organic acids in hydrolyzates of grain hulls and capsules. M. S. Dudkin, N. G. Shkantarova, Zhur. prikl. khim. 34 no 6 1337-1342 Je '61
- GRAIN—CLEANING**  
Fractional method for cleaning and sorting seeds on grain. S. P. Pisanko, Trakt. i sel'khoz. mash. 30 no 3 32-34 Mr '60

## GRAIN—CLEANING (Continued)

Metallic screens and sieve purifiers, machines for cleaning and transportation of grain and grain products G. Baidyshev. Muk.-elev. prom. 26 no. 4 30-32 Apr '60  
Suctional columnar cleaner for cleaning grain in continuous operation, F. Mitonenko. Muk.-elev. prom. 26 no. 4 25-26 Apr '60

## GRAIN—DISEASES AND PESTS

Effect of spid nutrition on the productivity of the plant and the sowing quality of winter wheat and barley seeds, Z. P. Borisova. Trudy KISKII 55:25-21 '66  
Methodology of studying the mycelium of smut fungi in sprouts of cereals G. A. Tiunov, V. N. Pomirnovskii. Trudy KHSKH 56:26-28 '66  
Various methods for using poisonous chemicals in controlling greenbugs Z. P. Borisova. Trudy KISKII 55:22-27 '66

## GRAIN—DRYING

(see also subdivision under Kokchetav Province)  
Concerning the speed of the grain intake in the elevator of the eastern regions of the country, I. U. Sokratov. Muk.-elev. prom. 26 no. 3 11-15 Mar '60

## GRAIN—GRADING

Fractional method for cleaning and sorting seeds on graders, S. P. Pisanko. Trudy sel'khoz. prod. 30 no. 3 32-34 Mar '60  
Simplified accounting of crushed grain kernels in grain analysis, A. Sirenko, M. Bludskii. Muk.-elev. prom. 26 no. 3 19 Apr '60

GRAIN—HARVESTING see subdivision under Irkutsk Province

GRAIN—IRRIGATION see subdivision under Volga Valley

## GRAIN—MILLING

(see also subdivision under Bryansk)  
Brief news, Muk.-elev. prom. 26 no. 3 31-32 Mar '60.  
The seven-year plan has had a good start, B. Tsimberg, I. Karasev. Muk.-elev. prom. 26 no. 3 15-17 Mar '60  
We are striving for maximum mechanization in our work, I. Kratov. Muk.-elev. prom. 26 no. 3 29 Mar '60

GRAIN—STORAGE see subdivision under Kazakhstan; Ryazan

## GRAIN—TABLES, CALCULATIONS, ETC.

Tables of grain moisture indices taking into account temperature corrections, M. Trokhimechuk, M. Shalik, L. Kryzhanovskaya. Muk.-elev. prom. 26 no. 3 19-20 Mar '60

## GRAIN—TRANSPORTATION

(see also subdivision under Volgograd Province)  
For an efficient grain transportation, M. Andrievskii and others, Avi. transp. 40 no. 6 57 Jan '62.  
Metallic screens and sieve purifiers, machines for cleaning and transportation of grain and grain products, G. Baidyshev. Muk.-elev. prom. 26 no. 4 30-32 Apr '60  
A system should be developed for delivering grain directly from the harvesters to the granaries, K. Frolov, B. Pushkintsev. Muk.-elev. prom. 26 no. 3 1-7 Mar '60  
Use of car loaders, E. Zlager, P. Bluz. Muk.-elev. prom. 26 no. 4 26-27 Apr '60

## GRAIN ELEVATORS

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Evaluating the geographical situation of operating grain elevating enterprises, I. A. Motylev. Muk.-elev. prom. 26 no. 4 22-23 Apr '60

## GRAIN—HANDLING MACHINERY

Controlling operation systems of grain cleaning machines, A. G. Puzankov, V. D. Shupovalov. Trudy sel'khoz. prod. no. 1 19-22 Jan '67  
Increase the role of the public in the solution of the problems of the development of production, Z. Uti. Muk.-elev. prom. 26 no. 1 7-10 Apr '60  
Remote indicator of grain flow, A. Puzankov, Tekh. v sel'khe. 26 no. 12:37-31 Dec '66

## GRAIN—HANDLING MACHINERY—EXHIBITIONS

For the specialists of the grain products industry, A. Blidman. Inform. bul. VDNKH no. 12:2-3 Dec '66

## GRAIN—MILLING MACHINERY

Modernized VM-2081 grain mill, A. Demakii. Muk.-elev. prom. 26 no. 3 26-27 Mar '60

GRAIN PRODUCTS see Cereal products

## GRAIN TRADE

(see also subdivision under Kazakhstan, Lipetsk Province; Ryazan Province)  
Economic reform at the enterprises of grain products and feed industry in the new year of 1967, Muk.-elev. prom. 26 no. 1 1 Jan '67  
First results and tasks of the further fulfillment of economic reform, A. Platonov. Muk.-elev. prom. 26 no. 1 2-4 Jan '67  
Prepare carefully and in time the supply base for the procurement of new grain crops in the Russian Federation, R. Shklyudov. Muk.-elev. prom. 26 no. 1 11-13 Jan '67

## GRAIN TRADE—AUDITING AND INSPECTION

Be more accurate in settling accounts with grain suppliers, B. Priokono. Zakup. sel'khoz. prod. no. 12 16-18 Dec '66

GRAIN TRADE—EMPLOYEES see subdivision under Ukraine

## GRAMMAR—COMPARATIVE AND GENERAL

Logistical characteristics of methods of attachment typology, A. F. Loney. Vop. iaz. no. 1 62-79 Jan-F '67

## GRAMMAR, COMPARATIVE AND GENERAL—SYLLABLE

Structure of the syllable and characteristics of phonemes, I. V. Bondaruk. Vop. iaz. no. 1 34-46 Jan-F '67

## GRAMMAR, COMPARATIVE AND GENERAL—SYNTAX

Grammatical word order, A. V. Isachenko. Vop. iaz. 15 no. 6 27-31 Nov '66  
What is the relation between the structure of a sentence and its content, S. G. Ipenko. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1 216-220 '62

## GRAMMAR, COMPARATIVE AND GENERAL—WORD FORMATION

"Content-patterned word formation" and some problems of vocabulary analysis, M. D. Stepanova. Vop. iaz. 15 no. 6 48-59 Nov '66  
Semantic co-relevances of deriving and derived stems, A. N. Tikhonov. Vop. iaz. no. 1 112-120 Jan-F '67

## GRAMSCI, ANTONIO, 1891-1937

Antonio Gramsci's youth and maturity, A. S. Golemba. Vop. iaz. 42 no. 1 108-118 Jan '67  
Problems of the history of philosophy in the works of Antonio Gramsci, Z. N. Melstehenko. Nauch. dokl. vys. shkoly, filol. nauki 4 no. 1 157-164 '61

## GRANARIES

(see also subdivision under Chelyabinsk Province; Penza Province)

Construction of grain elevators and granaries in the present seven-year plan, V. Bagirev. Muk.-elev. prom. 26 no. 3 8-12 Mar '60

Construction of grain storage and supply centers, A. Platonov, O. Shumskii. Muk.-elev. prom. 26 no. 3, 12-11 Mar '60

Having widely developed socialist competition proceed set an outstanding example in the creation of new technological means for the storage of the new grain of the seven-year plan, Muk.-elev. prom. 26 no. 3 3 Mar '60  
Our creative work should make a valuable contribution to technological progress, Muk.-elev. prom. 26 no. 3, 1-2 Mar '60

The seven-year plan has had a good start, B. Tsimborg, I. Karasev. Muk.-elev. prom. 26 no. 3 15-17 Mar '60

A system should be developed for delivering grain directly from the harvesters to the granaries, K. Frolov, B. Pushkintsev. Muk.-elev. prom. 26 no. 3 4-7 Mar '60

Use of cold air in fighting primary pests, V. I. Zil'ber. Muk.-elev. prom. 26 no. 3 23 Mar '60

GRANARIES—VENTILATION see subdivision under Kzyl-Ozda Province

## GRANITE

(see also subdivision under Korosten' District; Mayneul District, Ukraine)  
Character of primary and superposed granite structures in the area of emergence of a disjunctive fault along a at "Belokan'skii" belt in the U. I. I. Zabolotnitskiy, Trudy TGU 16:105-117 '61

Distribution of accessory minerals in granite intrusions V. V. Lankovich, A. D. Chervinskii. Trudy MGIT no. 1 91-109 '60

Sudovikov, N. G. [Problem of rapakivi and late magmatic intrusions] Problema rapakivi i pozdnomagmaticheskikh intruzii. Moskva, Nauka, 1967. 110 p.

GRANITE—ANALYSIS see subdivision under Gagarin Range

## GRANITIZATION

(see also subdivision under Aldan Plateau; Bureya Range, Stanovoy Range)

Some regularities in the change of the composition and laws of the timing of plagioclases in the granulites of Archean and Proterozoic rocks in the upper Gobi (Stanovoy Range), V. A. Kuchkovskiy. Dokl. MGU, Ser. geol. 16 no. 5 138-139 Jan '61

## GRANOSAN—TOXICOLOGY

Gastric secretory function in chronic intoxication with granosan, O. F. Ostapenko. Sov. med. 20 no. 11 70-73 Nov '66

## GRANULAR MATERIALS

Apparatus for determining the swelling of granular materials at various temperatures (with summary in English), V. I. Goshkov, V. I. Sloyetskii, G. M. Piskunov. Koll. zhur. 24 no. 1 135-136 May-June '61

Investigating the tube-transportation of granulated adsorbents under compaction (let article), Kh. A. Gorgian and others. Short. izd. Az. NII RPI no. 4 11-17 '58

## GRANULAR MATERIALS—STORAGE

Procedure of loose materials, O. P. Onorin, N. G. Makhin. Izv. vys. shkoly, ziv. i gos. zhur. 8 no. 10 113-114 '65

## GRANULAR MATERIALS—TRANSPORTATION

Calculating the performance of steeply pitching industrial high-speed screw conveyors transporting bulk materials, V. P. Zhutov, A. M. Gligolev. Izv. vys. shkoly, ziv. i gos. zhur. 8 no. 10 113-114 '65

## GRAPE JUICE

Continuous processing of grape juice with ultrasonic waves, G. N. Gasiuk, I. P. Druzhina. Koss. i osv. 21 no. 12 5-7 Dec '66

## GRAPES

Chemical suckering of the maternal plants of grape rootstock, Inform. bul. VDNKH no. 12:31 Dec '66

## GRAPES—FERTILIZERS AND MANURES

Effect of various fertilizers on nutrition and transpiration of a-katalogic etc. acid in homogenates of grape leaves and leaves. Soob. AN Gruz. SSR 44 no. 1 62-67 Dec '66

## GRAPES—STORAGE

Economically profitable, V. Golovko. Zakup. sel'khoz. prod. no. 12 10-21 Dec '66

## GRAPH THEORY

Effective algorithm for partitioning an oriented graph into bicomponents, L. A. Lefman. Kibernetika no. 5 19-23 Nov '66

Hamiltonian cycle and a Hamiltonian circuit in a Cartesian product of two graphs, K. A. Zmirekii, Kibernetika no. 5 19-23 Nov '66

Lofes, Z. M., and V. A. Syroeva, [Methods of establishing optimal flow sheets for underground haulage using the theory of graphs] Metodika ustanovleniya optimal'nykh tekhnologicheskikh skhem podzemnogo transporta s pomoshch'yu teorii grafov. Moskva, In-4 gornogo dela im. A. S. Khochinskogo, 1966. 80 p.

Principles of counting the number of graphs, A. F. Ustunov. Ukr. mat. zhur. 10 no. 1 138-140 '67

Problem of dividing the vertices of an oriented graph in r classes, G. A. Bekishev. Disk. anal. no. 8 27-31 '66

## GRAPHIC METHODS

Using method of conditional integral graphs for spectral determination of iron in Cu-Ni alloy. D. P. Mikhina, M. F. Rykova, L. I. L. Topolov, Zhurnal khim. fiz., no. 5:661-663 N '66

## GRAPHITE

(See also subdivision under Keyvly Upland)

Metallurgical phase of carbon. M. N. Pavlovskii, V. P. Dabkin, Fiz. y khim. zhiv. i smert. teoret. fiz., no. 5:169-172 S '66

## GRASSES

Biological principles underlying cultivated meadow management. S. P. Sinelov, Vostok khokhlova, no. 12:43-49 D '66

Effect of grasses on agrochemical soil properties. B. I. Ilyushin, Vostochno AN BSSR Ser. biol. nauk., no. 1:34-37 '67

Effect of the timing of soil and hay harvesting on the indicators and yield of leguminous and graminaceous grass mixtures. A. I. Kovalchuk-A. K. Amosova, Uch. zap. GGU no. 5:11-149 '66

Interrelationship of components in lawn grasses. M. U. Smol'skii, L. A. Khiz'klyk, Vostochno AN BSSR Ser. biol. nauk., no. 3:35-39 '66

Rate of the formation of anatomic structure of leaves in mixed lawn grasses. M. U. Smol'skii, J. A. Koryukh, Vostochno AN BSSR Ser. biol. nauk., no. 4:36-39 '66

## GRAVITATION

On a limit definition of gravitational waves. E. I. A. Makhov, Izv. vyssh. uch. zap., no. 6:118-119 '66

A possible interpretation of Dirac's hypothesis on diminishing of the gravitational constant on the basis of a new solution to the Einstein equations. V. S. Shcheglov, D. D. Ivnenko, B. N. Bolov, Izv. vyssh. uch. zap., no. 9:119-121 '66

## GRAVITY

Concepting P. I. A. Malin'skiy's article "Possibilities of studying the causes of vertical movements of the earth's crust on the basis of gravity anomalies." S. I. Subbotin, H. L. Naumchyk, Geol. zhurn., no. 1:84-86 '61

Displacement of inclined oil beds with dissolved gas drive. S. A. Kuznetsov and others, Az. izh. i zhurn., no. 11:15-16 N '66

Gravity effect of the moon and sun on crustal tectonics. L. P. Belanin, Geol. zhurn., no. 1:3-21 '61

## GRAVITY, LOCAL DISTURBANCE OF SEE PLUMB-LINE DEFLECTIONS

## GRAVITY ANOMALIES

Constructing linear operators in correlation scheme of geological interpretation of gravity and magnetic anomalies. G. I. Karataev, A. V. Chernyi, I. M. Gusev, Izv. AN SSSR Fiz. zem., no. 12:28-30 '66

Correlation scheme of formation of geological elements along gravity and magnetic anomalies. G. I. Karataev, I. M. Gusev, A. V. Chernyi, Izv. AN SSSR Fiz. zem., no. 11:45-54 '66

Geological nature of regional gravity gradients in the Okanin-Catalum shield. V. M. Medjanov, K. P. Tikhonov, V. D. Likhachev, Dop. AN URSR, no. 12:1681-1683 '66

Karataev, G. I. [Correlation scheme of the geological interpretation of gravity and magnetic anomalies] Korrelatsionnaya skhema geologicheskoi interpretatsii gravitatsionnykh i magnitnykh anomalii. Novosibirsk, Nauka, 1966. 134 p.

Sealing  $\Delta\gamma$  or  $\Delta g$  anomalies upward of curved observation surface. A. M. Polonskii, Izv. AN SSSR Fiz. zem., no. 11:77-82 '66

## GREAT BRITAIN—AGRICULTURAL POLICY

Problems and contradictions of the agrarian policy of Great Britain. V. Nazarov, Mezhdunar. otn., no. 2:118-121 '67

## GREAT BRITAIN—ATOMIC WEAPONS

The role of England in the invention and use of atomic weapons. I. U. Semishchev, Voenn.-ist. zhurn., no. 1:21-26 Ja '67

## GREAT BRITAIN—BOTANICAL GARDENS

Through botanical gardens of England and Scotland. N. A. Avrorin, Bot. zhurn., no. 12:1823-1830 D '66

## GREAT BRITAIN—BUILDING

Construction of buildings in England by the lift slab method. L. Balanovskii, Na stroit. Ros., no. 9:29 S '63

## GREAT BRITAIN—CHEMISTRY—STUDY AND TEACHING

New developments in educational practice in various countries. Nar. obz., no. 1:111 Ja '67

## GREAT BRITAIN—COKE OVENS

Trends in the development of coke ovens in England. Koks i khim., no. 7:68 '62

## GREAT BRITAIN—CRIME AND CRIMINALS

Where is the root of evil? V. Lazarev, I. A. Sklarovskii, Sov. profsoyuzy, no. 1:41-43 Ja '67

## GREAT BRITAIN—CRIMINOLOGISTS

Institute of criminology in Cambridge. V. N. Mikhlin, Vop. pred. prest. i u. 1:167-171 '67

## GREAT BRITAIN—ECONOMIC RESEARCH

Organization of economic studies in the U. S. A. and Great Britain. V. Shcheglov, V. Maslennikov, Mezhdunar. otn., no. 2:102-109 '67

## GREAT BRITAIN—FOREIGN ECONOMIC RELATIONS—EUROPEAN ECONOMIC COMMUNITY COUNTRIES

Great Britain and the "Common Market." 1961-1963. I. L. Zhigalov, Vop. ist., no. 1:60-74 Ja '67

## GREAT BRITAIN—FOREIGN RELATIONS—NEAR EAST

Akademika nauk SSSR Institut narodov Azii [England's policy in the Near and Middle East, 1915-1965] Poinika Anglii na Blizhnem i Srednem Vostoke (1915-1965) Moskva, Nauka, 1966. 430 p.

## GREAT BRITAIN—FOREIGN RELATIONS—RUSSIA

Our comments. Nov. vrem., no. 7:1-3 F '67

## GREAT BRITAIN—FOREIGN RELATIONS—UNITED STATES

Anglo-American "special relations" at the present stage. S. Makhovskii, Mezhdunar. otn., no. 1:34-36 '67

The United States, England, and Europe. I. Lemn, Mezhdunar. zhurn., no. 2:11-52 '67

## GREAT BRITAIN—LABOR PARTY

A side balance, a letter from England. Konni Zilliacus, Nov. vrem., no. 5:8-10 Ja '67

## GREAT BRITAIN—MATHEMATICS—STUDY AND TEACHING

New developments in educational practice in various countries. Nar. obz., no. 1:111 Ja '67

## GREAT BRITAIN—POLITICS AND GOVERNMENT

A side balance, a letter from England. Konni Zilliacus, Nov. vrem., no. 5:8-10 Ja '67

## GREAT BRITAIN—PRECAST CONCRETE CONSTRUCTION

Some problems of manufacturing precast concrete in England. E. Samoilov, Stroit. i arkhit. Mosk., no. 12:32-35 D '66

## GREAT BRITAIN—TURBOGENERATORS

Single-shaft 1200 Mw. turbogenerators manufactured by "English Electric." I. V. Shapiro, Energi mashinostr. no. 11:3 of cover N '66

## GREAT BRITAIN—WAR—ECONOMIC ASPECTS

Military expenditures of Great Britain. G. Korolev, Mezhdunar. otn., no. 2:94-96 '67

## GREBES

Importance of grebes to the Ukrainian fisheries. I. O. Smogorzhevskiy, Nauk. zap. Kyiv un., no. 1:85-91 '59

## GREECE—HISTORY

The struggle for Methone (Ditt., 5:11, 3, 75). T. V. Prushkevich, Vest. dirov. ist., no. 4:136-145 '66

## GREECE—POLITICS AND GOVERNMENT

Crises and usual maneuvers of the right-wing group. V. Kondrat'ev, Mezhdunar. zhurn., no. 2:132-133 '67

## GREEK ORATIONS

Orations of Isocrates. Translated from the Greek (continuation). Vest. dirov. ist., no. 1:233-217 '66

## GREEK PHILOSOPHY see Philosophy, Greek

## GREEN MANURING

Effect of peat and green manure on nitrogen balance in turf-Podzolic soils. V. K. Mikhovskii, P. N. Vysotskaya, L. V. Kotova, Agroklimat. no. 1:81-93 '67

## GREENBELTS see subdivision under Leningrad; Moscow

## GREENHOUSE MANAGEMENT

Calculations for heaters and automatic maintenance of the temperature of solutions in hydroponic greenhouses. B. Prudinskiy, V. Tergolev, Tekhn. sel'khoz., no. 2:12:10-12 D '66

Porous ceramic system for the raising of plants under glass. E. I. Ermakov, Bui. nauch.-tekhn. inform. po agron. fiz., no. 8:87-91 '66

Volkov, V. I., K. K. Lutsenko, and K. S. Rakhmanov. [Growing cabbage, tomato, and cucumber seedlings.] Vyrashchivanie rassady kapusty, pomidorov i ogurtsov. Tashkent, "Uzbekistan," 1966. 57 p. (DNAL)

## GREENHOUSE PLANTS

Trichodermin in greenhouse soils. N. Fedorinich, Zashch. rast., no. 1:25-26 '67

## GREENLAND—ECONOMIC CONDITIONS

Greenland and its people. L. A. Faiberg, Sov. etn., no. 6:47-56 N-D '66

## GREENLAND SEA—PARASITES—SEALS (ANIMALS)

Helminths of C. stophodon (first of the F. v. leben living in Greenland Sea). S. L. Dehnen, V. V. Tieschen, Zool. zhurn., no. 12:166-187 '66

## GREEN'S FUNCTIONS

Green's functions of Hermitian spaces. T. D. Vintonov, Izv. AN URSR, no. 12:1525-1527 '66

One mechanism of broadening of optical absorption lines in ferromagnetic V. A. Popov, Fiz. tverd. tel., no. 11:3339-3343 N '66

## GREISENS

Composition, paragenesis, and conditions governing formation of helvite in greisens. I. G. Pavlov, and others, Zap. Vses. nauch. obz., no. 6:671-679 '66

Effective method for the quantitative determination of arsenic in beryl in greisens. S. I. Bider, Trudy MGIL, no. 1:209-213 '66

## GRIGNARD REAGENTS

Interaction between sodium acetylac and Grignard reagent. M. F. Shostakovskiy and others, Dokl. AN SSSR, no. 2:365-368 '61 '66

## GRIGOR'EV, APOLLON ALEKSANDROVICH, 1822-1864

The "organic criticism" of Apollon Grigor'ev. I. P. Makhit, Izv. AN SSSR Ser. lit. i jaz., no. 6:514-521 N-D '66

## GRINDING AND POLISHING

Build-up working of rollers of rail polishing cars. I. S. Fomin, Puti i ust. khoz., no. 1:20 '67

Diamond grinding of ceramics. V. P. Krasnov, Stn. i instr., no. 1:43-44 Ja '67

Effect of technological factors on crack formation caused by grinding heat-resistant alloys. N. A. Kostenko, Tekhn. mashinost., no. 1:65-72 '66

Grinding rolls with diamond wheels. V. N. Bakul', A. A. Sagaidin, L. L. Makhovskiy, Mashinost. no. 1:26 Ja '67

Increasing the efficiency of surface grinding with diamond wheels on universal grinding machines. A. D. Davidson, Avt. prom., no. 12:33-34 D '66

[Machining machine materials with diamond tools] Obrabotka mashinostroytel'nykh materialov almaznymi instrumentami. Moskva, Nauka, 1966. 250 p.

New method for machining magnetic heads. V. E. Gurlin, Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., no. 11:10-17 N '66

Selecting conditions for vibratory grinding and polishing. M. E. Shal'skiy, Vest. mashinost., no. 1:61-63 Ja '67

Unit for continuous feed of rings to the area of machining on face grinding machines. P. I. Ashchorsyn, F. M. Rassulova, A. V. Baranov, Prom. sel., no. 2:33-34 F '67

Using ultrasonic waves in grinding magnetic alloys. S. G. Red'ko, G. A. Korlov, Stn. i instr., no. 1:130-31 Ja '67

## GRINDING AND POLISHING—EQUIPMENT AND SUPPLIES

Multiball differential burnishers. E. G. Konovalev, I. G. Divov, T. N. Alkhimov, Stand. i tech. 10 no. 9:42-45 S '66

New grinding and polishing pastes. A. A. Rakov, Mashinost. no. 1:21 Ja '67

## GRINDING AND POLISHING—TECHNOLOGICAL INNOVATIONS

Introduced at the "Krasnyi Proletarii" Plant. V. A. Romanov, Mashinostroytel' no. 1:36-37 Ja '67

## GRINDING MACHINES

Adjustment of internal grinding machines on rigid supports. I. U. Dubovskiy, I. U. E. Kikhmalev, Stn. i instr., no. 1:10-12 Ja '67

Increasing machine-tool rigidity for diamond grinding. A. M. Davidson, M. P. Bondar, Stn. i instr., no. 12:34-35 D '66

Intensification of the processes of grinding in the production of building materials. S. M. Roizak, V. Z. Protokol, Stroit. mat., no. 11:33-35 N '61

Machine for polishing the journals of double-throw shafts. Inform. biul. VDNKH, no. 1:14 Ja '67

Semimatic machine for cleaning castings. L. N. Kostrov, Bui. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform., no. 11:38-39 N '66

Shifting high-speed feed to working feed on grinding machines. L. A. Sorokoletov, V. S. Gelshteyn, Stn. i instr., no. 1:9-10 Ja '67

## GRINDING MACHINES—STANDARDS

Russia (U.S.S.R.). Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Circular-grinding machines; precision norms] Stan. i tekhn. inform. i normy tochnosti. GOST 11654-65, Izd. ofitsial'noe, Moskva [Izd.-vo Standartov, 1966] 43 p. (SSSR, Gosudarstvennye standarty)

Russia (U.S.S.R.). Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Contour-grinding machines; precision norms] Stand. profil'no-shlifoval'nye, normy tochnosti. GOST 9735-65, Izd. ofitsial'noe, Moskva [Izd.-vo Standartov, 1966] 15 p. (SSSR, Gosudarstvennye standarty)

## GRINDING MACHINES—TESTING

Investigating the rigidity of ball tipping machines. A. F. Mikhov, M. K. Klebanov. *Stroitel'stvo* 37 no. 12: 11-2 D '66.

## GRINDING WHEELS

Measuring cutting power of a grinding wheel. L. M. Konovalov, V. G. Mitrofanov. *Vest. mashinost.* 17 no. 1: 71-72 Ja '67.

Producing grinding wheels for machining hobbing cutters with an accurate shape at side cutting, edges of tooth. S. Simur, *Stroitel'stvo* 38 no. 12: 11-14 Ja '67.

Straightening conditions for diamond wheels. D. E. Ancl'chik, S. N. Filonov. *Leb. i inzh. prom.* no. 6: 34-36 N-D '66.

## GRINDING WHEELS—MAINTENANCE AND REPAIR

Device for straightening diamond wheels. V. N. Konovalov, A. F. Mikhov. *Mashinostroitel'* no. 1: 27 Ja '67.

New equipment for straightening grinding wheels. I. A. Stepanov. *Mashinostroitel'* no. 1: 12 Ja '67.

## GRIPPE see Influenza

## GRISOFULVIN

β-Dicarbonyl compounds. Report No. 25. Synthesis of some simplest analogs of antibiotic griseofulvin. V. I. Gumar and others. *Izv. AN SSSR, Ser. khim. nauch.* no. 12: 2167-2171 '66.

## GROCERY TRADE—MANAGEMENT see subdivision under Transcarpathia

## GRODNO—WOOLEN AND WORSTED MANUFACTURE

Introduced at the Grodno Fine-Cloth Factory. N. S. Panashchuk. *Prom. Bel.* 10 no. 2: 41-42 F '67.

## GROSS NATIONAL PRODUCT

Eysengueva, L. P. [The gross national product and the relationship of the value of capital assets to the value of production] *Ekonomika i struktura obshchestvennogo produkta* Moskva, Mysl', 1967. 133 p.

What is the material capacity of the gross national product? What is the problem? V. Zubcheninov. *Mirovaia myshl'* no. 2: 74-83 '67.

## GROUND BEETLES see subdivision under Belovezh, a, a Pushcha

## GROUND SQUIRRELS see subdivision under Karshi region (Uzbekistan)

## GROUND SQUIRRELS—EXTIRPATION see subdivision under Dubovskoye region (Kazakhstan); Millerovo District, Rostov Province; Slaviopol Territory

## GROUND SQUIRRELS—PARASITES see Parasites—Ground squirrels

## GROUPS, THEORY OF

Contribution to the problem of completeness in a symmetrical semigroup of finite degree. R. A. Balaev. *Dokl. Akad. Nauk SSSR* 172 no. 1: 26-28 '66.

Correlation between coupling constants of sumit 70+36 33 D. V. Volkov, E. A. Kuraev, V. I. Tkach. *Ukr. fiz. zhur.* 11 no. 12: 1296-1301 D '66.

Disposition laws for crystals with hexagonal symmetry. M. V. Kudryavtseva, V. E. Stepanov. *Izv. vuz. ucheb. zav.* no. 6: 81-92 '65.

Electromagnetic processes and integral charge of quarks. A. A. Komai, L. M. Slad'. *Pis'ma v red. Zhur. eksp. i teoret. fiz.* 5 no. 2: 67-70 Ja '67.

Elementary structural characteristics of semigroups. L. N. Shevrlin. *Dokl. AN SSSR* 167 no. 2: 305-308 Mi '66.

Elementary theories of commutative semigroups. M. A. Taftell. *Alg. i log.* 5 no. 4: 55-60 '66.

Extendibility of solvable classes and countability of measures in topological groups. M. N. Tetrishvili. *Soob. AN Gruz. SSR* 44 no. 2: 265-271 N '66.

Existence of the square root from anticommuting spinors. S. S. Sannikov. *Dokl. AN SSSR* 172 no. 1: 37-39 Ja '67.

Finite groups whose Sylow 2-subgroup is a direct product of quaternions. V. D. Mazurov. *Alg. i log.* 5 no. 5: 54-57 '66.

Finite groups with uniquely generated normal divisors. E. M. Zhmud'. *Mat. sbor.* 72 no. 1: 135-147 Ja '67.

Fitting's subgroup of linear groups, and finite approximability. V. P. Platonov. *Dokl. AN SSSR* 171 no. 4: 298-301 D '66.

Free groups of certain manifolds. E. B. Kikodze. *Alg. i log.* 5 no. 4: 15-23 '66.

Generalization of Cartan's and Wielandt's theorems. I. A. G. Berkovich. *Dokl. AN SSSR* 171 no. 4: 1770-1773 D '66.

Groups with complemented noninvariant subgroups. V. A. Sheriev. *Dokl. AN SSSR* 172 no. 1: 52-53 Ja '67.

Groups with given properties of systems of infinite subgroups. D. K. AN SSSR 171 no. 4: 206-209 D '66.

Homomorphisms of generalized subgroups. G. I. Zhitomirskii. *Teor. poligr. i ee prilozh.* no. 1: 220-237 '65.

Ideals of subsemigroups. L. M. Glushin. *Teor. poligr. i ee prilozh.* no. 1: 108-128 '65.

Invariant subgroups covering. V. T. Nagrebelskii. *Dokl. AN SSSR* 172 no. 1: 30-32 Ja '67.

Isomorphisms of semigroups of endomorphisms of modules. A. V. Mikhalev. *Alg. i log.* 5 no. 5: 59-67 '66.

Loc. groups transitive on compact manifolds. A. I. Onishchuk. *Mat. sbor.* 71 no. 4: 183-191 D '66.

Locally nilpotent subgroups of an infinite symmetric group. D. A. Suprunenko. *Dokl. AN SSSR* 167 no. 2: 302-304 Mi '66.

Locally projective nilpotent subgroups and nilpotents in topological groups. V. P. Platonov. *Izv. AN SSSR, Ser. mat.* 30 no. 6: 1257-1274 '66.

Main characteristics of Poincaré group extensions. Part I. I. U. A. Appi. *Vest. LGU* 21 no. 2: 7-18 '66.

Maximal and normal series of finite groups. I. A. Poliakov. *Dokl. AN SSSR* 167 no. 2: 294-297 Mi '66.

Multiplicative semigroups of a class of rings without zero divisors. I. G. Koshchev. *Alg. i log.* 5 no. 5: 19-51 '66.

Nikolov, A. V. [Discrete series of unitary representations of the Lie algebra of the  $O(p, q)$  group] *Diskretnaia seriya unitarnykh predstavlenii algebrы Ljuppы O(p, q)* Dubna, 1967. 15 p.

On stable from-the-right equivalences on perfectly simple semigroups. I. S. Panizovskii. *Teor. poligr. i ee prilozh.* no. 1: 263-278 '65.

One property of Burnside's groups. L. A. Bokut'. *Alg. i log.* 5 no. 5: 5-23 '66.

Partially soluble finite groups. L. A. Shemetkov. *Mat. sbor.* 72 no. 1: 97-107 Ja '67.

Perfectly simple semigroups. I. M. Glushin. *Teor. poligr. i ee prilozh.* no. 1: 179-187 '65.

Phenomenological theory of the symmetry of ordered phases. A. G. Khachatryan. *Dokl. AN SSSR* 171 no. 1: 817-839 D '66.

Positive formulae on free groups. I. U. I. Mol'nikov. *Alg. i log.* 5 no. 4: 25-42 '66.

Projection of pure nilpotent groups. I. U. N. Mukhtin. *Alg. i log.* 5 no. 4: 43-51 '66.

Regular point systems of three-dimensional groups as a combination of plane nets. N. L. Smirnova, L. I. Potoshnova. *Vest. Mosk. un. Ser. 4 Geol.* 21 no. 6: 11-48 N-D '66.

Rejecting SU(3) symmetry in strong interaction. I. A. B. Zel'dovich, P. S. V. red. Zhur. eksp. i teoret. fiz. 4 no. 9: 381-381 N '66.

Rings of operations and Adams-type spectral sequences in extraordinary cohomology theories. U. Cohen and the L-theory. S. P. Novikov. *Dokl. AN SSSR* 172 no. 1: 33-36 Ja '67.

Rings with commutating idempotents. V. N. Salii. *Teor. poligr. i ee prilozh.* no. 1: 278-285 '65.

A semigroup of perfectly effective relations. K. A. Zaitseva. *Teor. poligr. i ee prilozh.* no. 1: 278-281 '65.

Semigroups of finite width. L. N. Shevrlin. *Teor. poligr. i ee prilozh.* no. 1: 325-331 '65.

Some character lattices of quasi-manifolds of nilpotent groups. A. A. Vinogradov. *Alg. i log.* 5 no. 4: 5-13 '66.

Some classes of perturbing operators for strongly continuous semigroups. V. V. Kuchenko. *Vest. Mosk. un. Ser. 1: Mat., mekh.* 21 no. 6: 3-11 N-D '66.

Sleight's quasi-groups. V. D. Belonov, A. A. Gvozdilina. *Soob. AN Gruz. SSR* 44 no. 3: 337-344 D '66.

Structural equations, in the presence of an invariant group, describing one-dimensional gas flows. K. P. Suvorikhin. *Vest. Mosk. un. Ser. 1: Mat., mekh.* 22 no. 1: 34-64 Ja-F '67.

Structure of topological locally projective nilpotent groups and groups with a normalizing condition. V. P. Platonov. *Mat. sbor.* 72 no. 1: 38-58 Ja '67.

Substitution groups of representations of groups  $G_2$  and  $S_3$ . S. I. Alshanskas, Z. B. Rudzikas, A. P. Ustas. *Dokl. AN SSSR* 172 no. 1: 58-60 Ja '67.

Theory of generalized groups and generalized subgroups. B. M. Shalin. *Teor. poligr. i ee prilozh.* no. 1: 286-324 '65.

Theory of relations and algebra of partial mappings. V. V. Vagner. *Teor. poligr. i ee prilozh.* no. 1: 3-178 '65.

Word equality problem for certain classes of semigroups. I. U. Sh. Gurevich. *Alg. i log.* 5 no. 5: 25-35 '66.

Zaslavskii, A. N., and V. Tyblov. [Meson-baryon scattering and the SU(6) group] *Meson-baryonnoe rasscianiye SU(6)*. Dubna, 1967. 17 p.

Grouting (see also subdivision under Hungary)  
Sprayed concrete and its use in underground mines. I. A. Borisenkov, L. N. Beliaev, D. M. Gollitsynskii, Shakhmatov. *Izv. VNIIS* 13-17 N '61.

## GROUTING

(see also subdivision under Hungary)  
Sprayed concrete and its use in underground mines. I. A. Borisenkov, L. N. Beliaev, D. M. Gollitsynskii, Shakhmatov. *Izv. VNIIS* 13-17 N '61.

## GROWTH

Effect of X-ray irradiation on the growth of bones under experimental conditions. A. M. Safarov, S. V. Sitarm. *Med. rad.* 12 no. 1: 62-67 Ja '67.

Zhukovskii, M. A. [Growing organism and hormones] *Rastushchii organizm i gormony*. Moskva, Znanie, 1967. 31 p. (Narodnyi universitet: Fakul'tet zdorov'ia, no. 4)

## GROWTH (PLANTS)

Age-related changes in plants; analysis of some concepts and viewpoints. G. G. Levin. *Bot. zhur.* 51 no. 12: 1774-1795 D '66.

Influence of the nutrition level and soil temperature on the passage of basic stages in the ontogeny of barley. M. N. Molodtsova. *Nauch. zhur. IAL AN SSSR* no. 8: 51-56 '62.

## GROWTH PROMOTING SUBSTANCES

Effect of growth promoting substance of petroleum origin (NRF) on saccharine M-1 in rats. M. D. Abdullayev, R. A. Gushchina. *Dokl. AN Azerb. SSR* 18 no. 3: 61-67 '62.

Effect of growth promoting substances of petroleum origin on photosynthesis intensity and side shoot growth in some woody plants. L. U. Karachulskii. *Vest. LGU* 21 no. 2: 11-15 '66.

Possibilities of the use of growth promoting substances in protecting apple from black rot. V. P. Petukhov. *Troly Khimii* 56: 72-77 '66.

Synthesis of tertiary alkoxymethylalkylthioether alcohols. A. N. Volkov, A. V. Bogdanova, I. A. Vlodimirova. *Izv. AN SSSR, Ser. khim.* no. 1: 186-188 Ja '67.

## GROZNY—PETROCHEMICAL INDUSTRY

Dorogochinskii, A. Z. [Contribution of Grozny residents to the development of petroleum refining and petrochemical industries of the U.S.S.R.] *Vklad groznovskoy razvitiye neftepererabatyvayushchei i neftekhimicheskoy promyshlennosti SSSR*. [Grozny] Checheno-Ingushskaya knizhnica izd-vo, 1962. 84 p. (K istorii naroda Checheno-Ingusheti)

[MICROFILM]

## GROZNY—PETROLEUM REFINING

Dorogochinskii, A. Z. [Contribution of Grozny residents to the development of petroleum refining and petrochemical industries of the U.S.S.R.] *Vklad groznovskoy razvitiye neftepererabatyvayushchei i neftekhimicheskoy promyshlennosti SSSR*. [Grozny] Checheno-Ingushskaya knizhnica izd-vo, 1962. 84 p. (K istorii naroda Checheno-Ingusheti)

[MICROFILM]

## GROZNY—PRODUCT TRADE—MANAGEMENT

Routine of a state delivery base. K. Vinnik. *Zakup. sel'khoz. prod.* no. 8: 52-53 Ag '66.

## GRYZAYEVA SOPKA OIL FIELD—PETROLEUM PRODUCTION

Gryzayeva Sopka. *At. Gol'd, Neftnits* 11 no. 9: 19 '66.

## GUAIACOL

Improvement of the methods for the production of guaiacol from orthoanisole. Z. P. Golovina and others. *Mat. zhur.* 39 no. 11: 11-43 N '66.

## GUDZHENKO, SEMEN PETROVICH, 1822-

Features of a generation. A. I. Iontev. *Nov. mir* 30 no. 12: 258-258 D '62.

## GUIDED MISSILES see subdivision under Germany, West

## GUILT (LAW)

More about the "mixed" form of guilt. G. K. Iger. *Sov. iust.* 31 no. 3: 5-7 F '67.

## GULIS see subdivision under Ukraine

## GUMISTA VALLEY—PALAEOBOTANY, STRATIGRAPHIC

Pliocene flora of the Gumista River. N. K. Ration. *Troly Sukh. bot. nauch.* no. 13: 55-68 '66.

## GUMS AND RESINS

Derevatsina on "Atlin" films. R. A. Tapolitskaya. *Z. M. Baskirskaya. Bump. prom.* no. 1: 12-13 Ju '67.

Effect of resins, naphthenic acids, and water on the electrical properties of the system sodium soap-transistors. M. A. I. [with summary in English]. *Ch. M. Ucheb. i. L. A. Mikhalskaya, Koll. zhur.* 23 no. 1: 272-275 My-Je '61.

Knives of the extraction of resinous matters from fibrous stock obtained by boiling resinous stampwood. E. V. Ushakov, S. I. A. Korolov. *Izv. vuz. ucheb. zav.* no. 6: 109-115 '66.

New methods for the processing of apruce gum and turpentine. I. I. Baryshev and others. *Gidroliz. i lesokhm. prom.* 15 no. 5: 5-7 My '62.

Resinous and colloidal substances of hydrolyzates. I. I. Korolov, Z. A. Tiagunova, G. D. Ponomareva. *Stroitel'stvo* 34: 21-27 '65.

Study of paraffin and resin depositions in "Druzhba" petroleum pipeline. O. A. Kaganov. *Neft khoz.* 44 no. 11: 57-58 N '66.

## GUNSHOT WOUNDS

Open (nongunshot and gunshot) fractures of the foot and their treatment. I. L. Krupko, M. N. Fashatov, I. I. Olebov. *Ortop., travm. i protez.* 27 no. 12: 8-13 D '66.

Penetrating gunshot wounds of the chest in peacetime. N. I. Tikhonov. *Grud. khir.* 9 no. 1: 116-117 Ja-F '67.

Simplified method of contact chromatography using test-paper for detection of metals in area of gunshot wounds. L. M. Didim. *Sud.-med. eksp. i. no. 4: 48-49 O D '66*

## GUNSHOT WOUNDS (Continued)

State of external respiration in patients having for many years gunshot foreign bodies in their lungs. P. P. Ibragimov, A. A. Adamian. *Grud khb* 9 no 1:11-19 Ja-1 '67

Symptoms characteristic for a close gunshot when it was fired actually from a long range. A. A. Movshovich. *Sud-med ekspert* 9 no 1:7-11 O-D '66

## GURIA—DEES

Wax productivity in the high-mountain areas of Guria. I. D. Mumladze. *Sovh. AN Gruz SSR* 27 no 2:95-100 Ag '61

## GUSENOV, DZHALIL IUSUFOVICH, 1896-

Dzhali Iusufovich Gusenov; on his 70th birthday. I. S. Karayev, I. G. Mamadukova. *Azerb. med zhur* 13 no 12:48-51 D '66

## GYMNASTICS

Determining strength, speed, and endurance of a male gymnast. V. I. Sobenko, V. I. Chukarin, V. N. Afonin. *Trud i prak. fiz. kul't.* 29 no 12:29-23 D '66

Gilbertskiy, A. M. [68 lessons on health]. 68 urokov zdorov'ya. [Moskva] Profizdat, 1967. 117 p.

[Training male gymnasts according to classification program for 1966-1969, a manual for teachers and trainers in gymnastics of school sections, children's sports schools, rural youth schools and physical culture groups]. Podgotovka gimnazistov-muzhel'm po klassifikatsionnoi programme 1966-1969 gg.; uchebnoe posobie dlia prepodavatelei i trenerov gimnastiki shkol'nykh sektsi, DSSH, SSM i kollektivov fizicheskoi kul'tury. Moskva, Fizkultura i sport, 1966. 182 p.

Work of a scientific brigade on gymnastics. M. L. Ukrain. *Trud i prak. fiz. kul't.* 29 no 12:41-46 D '66

GYMNASTICS, MEDICAL see Exercise therapy

## GYMNASTICS FOR WOMEN

[Training female gymnasts according to the classification program for 1966-1969; a manual for teachers, trainers, social instructors and activist gymnasts]. Podgotovka gimnazistov-zhen'shin po klassifikatsionnoi programme 1966-1969 gg.; uchebnoe posobie dlia prepodavatelei, trenerov, obshchestvennykh instruktorov i aktiv gimnazistov. Moskva, Fizkultura i sport, 1966. 149 p.

## GYNECOLOGY, OPERATIVE

Assembling of instruments for restorative surgery in total sterility. K. B. Akmatov, S. I. Tshul'nik, E. G. Kizilcheva. *Sov med* 20 no 11:125-128 N '66

## GYPSUM

Properties of polymerized gypsum binding materials and articles based on them. G. S. Kogan, L. M. Tsuranov. *Stroitel. mat.* 7 no 12:10-23 D '61

## GYROCOMPASS

Determining the time of the alignment of the "Annu" gyrocompass with the meridian by means of the table and nomograms. V. Anisimov. *Ma flot* 27 no 1:22-23 Ja '67

## GYROSCOPIC INSTRUMENTS

GIR-1 and GIR-5 mine gyroscopic locomotives. Shakhmatov, G. S. no 11:4 of cover N '61

Reducing the linear accelerations of an aircraft with a gyroscopic control unit. V. Yu. Turochikov. *Izv. vys. shk. fiz. i tekhn. nauk* no 6:120-131 '62

HABITS AND BEHAVIOR OF ANIMALS see Animals, Habits and behavior of

HADDOCK see subdivision under Barents Sea

## HAECKEL, ERNST HENRICH, 1834-1919

Centennial of the publication of first phylogenetic life system by E. Haeckel. L. V. Chesnova. *Zool. zhur.* 45 no 12:1723-1750 '66

## HAERIUM

Influence of hafnium on the kinetics of recovery and recrystallization of  $\alpha$ -iron. L. N. Laitkov, I. E. Zasymluk, V. S. Shklov. *Dop AN VRSR* no 7:906-909 '62

Hafnium: an economic review. S. A. Kaganovich. *Trudy MGRI* no 4:246-254 '60

## HAERIUM COMPOUNDS

Existence of multiple bonds  $Zr=O$  and  $Hf=O$  in solutions of complex zirconyl and hafnium salts. I. P. Lipatova, E. I. Semenov. *Izv. AN SSSR. Ser. khim.* no 1:6-9 Ja '67

Perchlorates of zirconyl and hafnium. M. M. Belikova and others. *Trudy TGU* 165:161-167 '65

Physicochemical study of hexachlorohafnates of alkali metals and ammonium. I. B. Barskaya, G. M. Toplygina. *Zh. neorg. khim.* 12 no 1:20-33 Ja '67

## HAERIUM IODIDE—THERMAL PROPERTIES

Thermal conductivity and the degree of blackness of hafnium iodide. D. L. Timrot, V. E. Polotskii, V. U. Voskresenskii. *Teplotiz. i teploiz. temp.* 4 no 6:874-875 N-D '66

HAIR see subdivision under Azerbaijan

## HAILE SELASSIE I, Emperor of Ethiopia, 1891-

People and events; Bruno Kreisky; Haile Selassie I. *Nov vsem* 25 no 9:29, 33 F '67

## HAIR

Determination of ABO system antigens in hair. Report No 2. Detection of ABO system antigens following effect of nitric acid on hair. N. N. Acherkan. *Sud-med ekspert* 9 no 4:30-35 O-D '66

## HAIRDRESSING

Tamm, Lehte. [Sanitary standards for hairdressers]. Sanitariummimum juuksureite. Tallinn, Valgus, 1966. 43 p. [In Estonian]

HALIBUT see subdivision under Okhotsk, Sea of

## HALIDES

Quantitative determination of halides in the presence of ascorbic acid. P. P. Suprun. *Farmatov. zhur* 17 no 2:31-35 '62

## HALL EFFECT

Effect of copper on the thermoelectric efficiency parameter. Q. V. Rukin. *Izv. vuz. uch. i nauch. i tekhn. nauch. i tekhn.* 9 no 6. 28-35 '66

Lifetime of minority carriers in germanium doped with mercury. M. I. Igil'syn, L. S. Urova. *Dokl. Akad. Nauk SSSR* 177:101-104 '66

Magnet effect in n-InSb in quantized magnetic field. M. S. Biesler and others. *Fiz. vuz. i tekhn. i teoret. fiz.* 4 no 9:348-352 N '66

Studying thermoelectric and galvanomagnetic properties of working materials for low-temperature cooling devices. I. D. Konozenko, I. V. Kharch. *Ukr. fiz. zhur* 11 no 12:1332-1337 D '66

Temperature dependence of the Hall coefficient at a constant current carriers concentration. R. M. Vinetskiy, O. H. Milshtuk. *Ukr. fiz. zhur* 4 no 5:661-669 5-O '65

Use of the plane Hall effect in studying rotary hysteresis in ferromagnetic films. Yu. Jiah Ky. *Dokl. AN SSSR* 167 no 2:326-329 Mr '66

## HALOGEN COMPOUNDS

Pokonova, I. V. [Haloid ethers; production methods, properties, and use]. Galoidetfry, sposoby polucheniya, svoystva, primeneniye. Pod red. A. A. Petrova. Moskva, Khimika, 1966. 339 p.

## HALOGENATION

Preparation and properties of 1,4-endothylenehydromerphenolene halogenated at different degrees. N. P. Emel'yanov and others. *Dokl. AN SSSR* 10 no 11:869-872 N '66

Some characteristics of geochemistry of rare alkali elements in process of halogenation. B. I. Smirnov. *Min. sbor* 20 no 1:70-76 '66

## HAMSTERS—GENETIC RESEARCH

Karyologic differentiation of allopatriotic forms of hamsters of the superspecies *Phodopus sungorus* and heteromorphism of sex chromosomes in females. N. N. Voronov, S. I. Radzhabli, K. L. Litapunova. *Dokl. AN SSSR* 172 no 3:703-705 Ja '67

## HAMSTERS—PARASITES see Parasites—Hamsters

## HAND STAMPS

Stamps for marking carcasses and hides. V. Kulikov. *Min. i med. SSSR* 39 no 1:28-29 Ja '67

HANDICRAFT see subdivision under Azerbaijan

## HANGARS

Hangar building with operation and repair workshops. A. A. Fridkin, V. P. Ilyin, V. S. Teikhov. *Prom. stroit* 39 no 12:22-26 '61

## HAPTOGLOBIN

Protein fractions of blood serum, haptoglobin types and hemoglobin fractions in children. T. S. Kartozhka, P. A. Kurashvili, N. I. Vardanashvili. *Sovh. AN Gruz. SSR* 14 no 3:760-776 D '66

## HARD FACING

Hardening metal surfaces by roller burnishing with the use of polymer solutions. G. A. Gorokhovskiy, G. N. Goleukhin. *Tekhn. i org. protzv.* no 6:44-48 N-D '66

Systems of the surface grinding of agricultural machine parts hard faced with the KHTSU wear resistant alloy A. S. Mel'nikov. *Trakt. i sel'khoz. mash.* no 1:39-42 Ja '67

## HARDBOARD

Board structures made of plastics and wood. M. D. Sakharov. *Blud. i tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no 12:12-14 D '66

## HARDNESS—TESTING

Device for measuring metal hardness. N. S. Soboleva. *Blud. i tekhn. ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no 11:53-55 N '66

## HARDWOODS

Use of hardwoods and their processing wastes in the industry. S. G. Gorokhov. *Bum. prom.* no 12:10-11 D '66

## HARES

Intensification of damage done by hares to orchards of various territories. V. V. G. Zilev. *Vest. V. I. Mos. univ. Ser. 8. Biol., pechel.* 21 no 3:21-26 5 O '66

## HARMONIC ANALYSIS

Harmonic analysis on a hypothesis of one sheet. V. F. Molchanov. *Dokl. AN SSSR* 171 no 4:794-797 D '66

Harmonic analysis of the spectrum of nonperiodic electrical oscillations. R. G. Vinogradov, I. P. Rozhnova, L. N. Ikhomirova. *Sb. nauch. i tekhn. i teoret. fiz.* no 4:276-281 '60

Multivariate analysis of the formation of the second optical harmonic in a nonlinear crystal. V. F. Malchukov. *Opt. i spekt.* 21 no 5:592-602 N '66

## HARMONIC FUNCTIONS

Cauchy problem for minor oscillations of a viscous fluid in a weak field of mass forces. N. D. Kopachevskiy. *Zhur. vych. mat. i mat. fiz.* 7 no 1:128-146 Ja-I '67

General method for solving a biharmonic problem. V. G. Labazin, G. M. Fedorova. *Zap. LGI* 43 no 3:71-79 '64

On a class of solenoidal vector fields. M. S. Shneerson. *Ukr. mat. zhur.* 19 no 1:81-83 '67

## HARPENDEEN, GREAT BRITAIN—SOILS—ANALYSIS

Two soil profiles in fields of the Rothamsted Experiment Station. I. P. Gerasimov, O. A. Chichagova. *Pochvovedenie* no 3:83-87 Mi '60

## HARROWS

Attachment to toothed harrows for operating at increased speeds. M. Bredun. *Tekhn. i sel'khoz.* 27 no 1:57 '67

## HARVESTING MACHINERY—DESIGN AND CONSTRUCTION

Studying the operations of the SK-3 combine for the purpose of improving its design. A. I. Os'kin. *Dokl. TSKhF* no 44:53-58 '59

## HARVESTING MACHINERY—ELECTRIC EQUIPMENT

Change in the polarity of the networks of the electrical equipment of automobiles, tractors, and harvesters. V. Babanov. *Tekhn. i sel'khoz.* 21 no 12:86 D '61

## HARVESTING MACHINERY—MAINTENANCE AND REPAIR

Enlarged time norms on the dismantling and assembling of the 5-4 self-propelled combine. *Tekhn. i sel'khoz.* 21 no 12:64-66 D '61

HAWTHORN see subdivision under Turkmenistan

## HAY

Estimation of the effectiveness of chopping machines and the quality of the product. V. A. Srol'zaev, A. T. Lipatov. *Vest. sel'khoz. nauk* 11 no 11:91-96 '65

Stabilization of carotene in grass meal. A. A. Zubrilin, L. T. Lagula. *Vest. sel'khoz. nauk* 11 no 11:72-75 '66

## HAY—HARVESTING

Complex of machinery for the procurement of feeds in deserts and semideserts. V. Mal'kov, L. Alipulova. *Tekhn. i sel'khoz.* 26 no 12:13-16 D '66

HAY—STORAGE see subdivision under Latvia

Basic problems in the clinical aspects of lesions of the large vessels of the head in an early period. L. B. Litvak. *Zhur. nevro. i psikh.* 62 no 11:1607-1611 '62

Collateral blood circulation in occlusion of the large blood vessels of the head. Z. L. Lurie, L. K. Bragina. *Zhur. nevro. i psikh.* 62 no 11:1612-1616 '62

Some unresolved problems in the pathogenesis, clinical aspects and treatment of disorders of the large vessels of the head. E. V. Shmidt. *Zhur. nevro. i psikh.* 62 no 11:1601-1606 '62

## HEAD—WOUNDS AND INJURIES

Problems of treatment and work ability of schizophrenics with craniocerebral traumas in their encephalitis. A. G. Ambrumova. *Trudy Gos. nauch.-issl. inst. psikh.* 26:121-127 '61

## HEADGEAR

New types of finishes for woolen felt headgear. V. K. Chelakhovskaya. *Nauch.-issl. inst. psikh.* no 20:250-257 '65

## HEALTH BOARDS

Cooperation between health institutions and veterinary service. T. S. Medokh. *Vop. pit.* 25 no 6:83-87 N-D '66

## HEALTH EDUCATION

[Work and a healthy way of life]. O. Trude. I. Zdonov. *byte*. [Moskva] Profizdat, 1965. 199 p.



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## HEAT—TRANSMISSION (Continued)

- Nonadjacent heating of particles in unsteady high-intensity processes. I. F. Lipperman, I. I. Pikaev. *Inzh.-fiz. zhurn* 12 no. 1, 58-61 Jan '67
- Problem of heat and humidity transfer of certain solids under boundary conditions of the second kind. Sh. N. Pilat. *Inzh.-fiz. zhurn* 11 no. 6, 740-746 D '66
- Seminar on heat and mass transfer. Khokhlov, I. I. no. 12, 12 D '66
- Simplified empirical dependences of mass exchange in steam condensation from steam-gas mixtures. I. D. Reiman. *Teplotekhnika* 7 no. 5-7, 178 Ag '66
- Solution of some nonlinear problems in heat transfer. P. V. Cherkovskiy, L. V. Milovskaya. *Inzh.-fiz. zhurn* 12 no. 1, 123-125 Jan '67
- Some general rules governing nonstationary heat transfer during laminar flow of a fluid in a channel. V. D. Vilen'skiy. *Teplotekhnika* 7 no. 6, 818-819 N-D '66
- Threshold value of the heat transfer coefficient of a moving layer and fluidized bed. H. V. Berg, A. P. Biskakov. *Izv. AN SSSR Energetika* no. 6, 109-114 N-D '66
- Using electric analogs in solving problems of heat and mass transfer. I. A. Kozlovskiy. *Inzh.-fiz. zhurn* 11 no. 6, 109-111 D '66
- Using the method of light modeling for determining the factor of irradiation. V. N. Adzhinov. *Teplotekhnika* 7 no. 11, 83-85 Ag '66

## HEAT CONTENT see Enthalpy

## HEAT ENGINEERING

- Mazurov, D. A., M. I. Rogovoy, and I. M. Volgina. [Heat engineering and heat-engineering equipment for enterprises in the building materials industry] *Teplotekhnika i teplotekhnicheskoe oborudovanie podprihatil'nykh promyshlennost'nykh materialov*. Pod red. D. A. Mazurova. Moskva, Stroiizdat, 1966. [Industrial heat engineering] *Promyshlennaya teplotekhnika*, 1066, 449 p.

## HEAT ENGINEERING—ABSTRACTS

- [Heat engineering] *Ref. zhurn. Teploteng.* no. 2 F '67.

## HEAT ENGINEERING—HANDBOOKS, MANUALS, ETC.

- Emel'yanov, A. I., and O. V. Karpik. [Designing of systems for regulation and automatic control of thermal processes; a handbook] *Proektirovaniye ustanovok kontrolya i avtomatiki teplovyykh protsessov; spravochnoe posobie*. Moskva, Energiya, 1966, 384 p.

## HEAT EXCHANGERS

- Experimental study of the condensation of metal vapors from a noncondensing gas medium in a regenerative heat exchanger-condenser. M. A. Styrkovich, I. B. Gudik. *Izv. AN SSSR, Energ. i transport* no. 6, 97-107 N-D '66
- Recent research on heat exchange in ribbed air coolers. V. I. Snelin. *Khokhlov, I. I.* no. 12, 10-16 D '66
- Relationship between hydraulic resistances of the air conduit of a heat exchanger and the shape of the flow area. V. I. Ilyskiy, M. B. Bogin. *Aviatsiya* 32 no. 12, 5-11 D '66

## HEAT EXCHANGERS—THERMAL PROPERTIES

- Theory of thermal analysis of coating systems with a dispersed packing. V. A. Sheiman, G. I. Reznikova. *Inzh.-fiz. zhurn* 12 no. 1, 43-49 Jan '67

## HEAT OF ADSORPTION

- Effect of graphitization of carbon black and of interparticle capillary condensation in it on the isotherm and differential heat of adsorption of nitrogen [with summary in English]. A. A. Ishtikhin, A. V. Khatsev. *Koll. zhurn* 23 no. 1, 211-219 My-Je '61
- Isotherms and heats of adsorption of propylene on silica gel [with summary in English]. A. G. Bezus, V. P. Breving, A. L. Khabakho-Guvich. *Koll. zhurn* 23 no. 3, 241-247 My-Je '61

## HEAT OF FORMATION

- Coordination lattices of oxides of elements of additional subgroups and their enthalpy of formation. S. M. Arlia. *Fizik. sovr. khim. knozd. soed.* no. 1, 103-214 '66
- Heats of formation of some coordination compounds formed in the systems  $TiCl_3 - NaCl$  and  $TiCl_2 - NaCl$ . B. N. Podzolov, I. V. Vasil'kova, R. A. Sandler. *Zhurn. neorg. khim.* 12 no. 1, 34-37 Ja '67

## HEAT OF SOLUTION

- Determination of integral heats of dissolution of  $La_2O_3$ ,  $Nd_2O_3$ ,  $Sm_2O_3$ ,  $Gd_2O_3$  in sulfuric and acetic acids. K. E. Smolinskaya, V. V. Serebrennikov. *Trudy TGU* 185-190 '62 '65

## HEAT OF SOLVATION

- Thermodynamics of solvation of some electrolytes in formamide and N-methylformamide. I. M. Kessler. *Elektrokhimiya* 2 no. 12, 1467-1468 D '66

## HEAT REGENERATORS—COOLING

- Forced water and air cooling of regenerators during the repair of the middle of open-heart furnaces. A. A. Matykh, A. M. Spirina. *Stal* 22 no. 5, 478-479 My '62

## HEAT RESISTANT ALLOYS

- Selecting alloying elements in creating titanium-base heat resistant alloys. V. V. Ginzovskiy. *Izv. AN SSSR Met.* no. 1, 169-174 Ja '67

## HEAT RESISTANT ALLOYS—ELECTRIC PROPERTIES

- Heat resistant copper alloys for in addition elements with high electric conductivity. A. M. Korotkiy, F. V. Bezus, L. M. Gureva. *Izv. AN SSSR Met.* no. 1, 150-155 Ja '67

## HEAT RESISTANT ALLOYS—METALLOGRAPHY

- Effect of hardening phase on primary recrystallization of Ti-13W alloy. S. S. Gulyaev, L. L. Reznitskiy. *Izv. vyshech. shk. Chern. met.* 10 no. 1, 111-113 '67

## HEAT RESISTANT ALLOYS—WELDING

- Diffusion welding of Ti-602 heat-resistant alloy surfaces in vacuum. N. F. Kuzakov and others. *Fiz. obr. mat.* no. 1, 62-66 '66

## HEAT-TREATING FURNACES see Furnaces, Heat-treating

## HEATING FROM CENTRAL STATIONS

- (see also subdivision under Moscow)

- Basic trends and tasks in the development of district heating in the U. S. S. R. for the next 15 to 20 years. O. B. Levental', I. A. Melent'ev. *Teplotekhnika* 7 no. 8, 3-8 Ag '66
- Comparison of norm data on the arrangement of central heating systems with data from other countries. V. F. Polikarpov. *Sbornik, trud. NIISI* no. 13, 148-161 '62
- Economic aspects of doubled transit lines for heating networks. A. Dzhangalspian. *Tram. Arm.* 9 no. 11, 21-25 '66
- Possibility of the utilization of the additional electric power peak capacity in heat and electric power plants. A. P. Afanas'ev, M. M. Romin. *Teplotekhnika* 7 no. 8, 21-23 Ag '66
- Prospects of the expansion of industrial heat and electric power plants in high capacity power systems. A. N. Kuranov. *Teplotekhnika* 7 no. 8, 21-23 Ag '66
- Rated temperature of return water behind the hot-air heating radiator connected to district heating systems. N. P. Novotvovich. *Teplotekhnika* 7 no. 8, 24-29 Ag '66
- Use trenchless laying of heating systems more widely. O. N. Melnikov. *Stroi i arkh. Len.* 2 no. 5, 24-25 My '66
- VKV-6 water heating water-tube absorption boiler for single-pipe systems of central heating. O. G. Likhov, O. L. Iakimov. *Vod i san. tekhn.* no. 11, 25-27 N '66

## HEATING FROM CENTRAL STATIONS—HANDBOOKS, MANUALS, ETC.

- Mezhegov, A. M. [Heat supply of industrial enterprises, manual for students of heat and power engineering professions] *Teplosnabzheniye promyshlennykh predpriyatiy, uchebnoe posobie dlya studentov teploenergeticheskoi spetsialnosti*. Leningrad, Leningr. tekhnicheskii in-t selulozno-bumazhnoi promyshl., 1965, 294 p.

## HEATING FURNACES see Furnaces, Heating

## HEATING OF PETROLEUM see Petroleum, Heating of

## HEATING PIPES

- Calculation of the strength of central heating pipelines. B. V. Rudomino. *Elek. sta.* 33 no. 3, 30-34 Mr '62
- Calculation of the strength of central heating pipelines. O. F. Uvarov. *Elek. sta.* 33 no. 3, 25-30 Mr '62

## HEATING PIPES—THERMAL PROPERTIES

- Calculation of the heat emission of pipes in designing heating systems. M. M. Grudinskiy. *Sbornik, trud. NIISI* no. 13, 162-170 '62

## HEDGEHOGS—PARASITES see Parasites—Hedgehogs

## HEDGES—PRUNING

- Zotov, V. A. [Cutting apparatus of machines for pruning shrub hedges] *Rezhushchie apparaty mashin dlya podrezki kustov i krovnykh izgozodek*. Moskva, Mininformatsii stroiteldokommunmash, 1965, 52 p. (Series 3: Mashiny i oborudovaniye dlya kommunalnogo khozaystva)

## HEGEL, GEORG WILHELM FRIEDRICH, 1770-1831

- Jena real philosophy. Pt. 2 (conclusion). G. W. F. Hegel. *Vest. Mosk. un. Ser. 8: Filos.* 21 no. 6, 53-62 N-D '66
- The Sixth International Congress of the Students of Hegel. A. P. Sov. gos. i pravo no. 1, 136-138 Ja '67

## HEIFERS—FEEDING AND FEEDS

- Effect of the level of feeding and the massage on the development of the udder of heifers. V. I. Ivanov, A. P. Beguchev. *Vest. sel'khoz. nauk* 11 no. 11, 112-114 '66

## HELICOPTERS

- The airplane helicopter and the combined helicopter. E. Iakovlev. *Grazhd. av.* 12 no. 10, 35-36 O '55

- Eliminating resonance conditions in engine-transmission systems of helicopters and rotating wing aircraft. G. S. Maslov. *Proch. i din. av. dviz.* no. 3, 304-333 '66

## HELIUM—THERMAL PROPERTIES

- Thermal diffusion of cesium and lithium vapors. K. M. Artyukov and others. *Inzh.-fiz. zhurn* 11 no. 6, 765-772 D '66

## HELWITE

- Composition, paragenesis, and conditions governing formation of helwite in gneisses. I. G. Pavlov and others. *Zap. Vses. mun. obshch.* 93 no. 6, 671-690 '66

## HEMATITE CRYSTALS

- Inclusions of hematite in calcite formed in the growth of negative crystals. I. V. G. Gulyaev. *Trudy TGU* 185-190 '62

## HEMATOLOGY

- (see also subdivision under France)

- [Development and regulation of histohematic barriers] Razvitiye i regulatsiya gisto-gematicheskikh bar'yerov. Moskva, Nauka, 1967, 190 p.
- Effect of alternating current on hematological indices in fish. B. V. Kralukhin, L. I. Smirnova. *Trudy Inst. biol. vnutr. vod.* no. 10, 278-283 '66
- Normal basic hematological indices in dogs. Z. G. Potekina. *Fiziol. zhurn* 49 no. 3, 366-369 Mi '63

## HEMATOPOIESIS

- Association of chromosomes in the hematopoietic cells in mice. E. I. Zharova, M. O. Ruzhenkikh. *Probl. gemat. i perekr. krovi* 12 no. 1, 47-51 Ja '67
- Effect of the taking of bone marrow on the morphology of hematopoietic organs of irradiated recipients. K. K. Zaitseva. *Alkh. pat.* 28 no. 12, 38-43 '66
- Some problems of the clinical aspects and treatment of disseminated angitis. G. V. Dashatants, E. M. Taiskaya. *Sbornik trud. SOGMI* no. 10, 23-25 '61

## HEMATOPOIETIC SYSTEM

- Ribonucleic acid and glycogen content of the cells of hematopoietic tissues in healthy cattle and cattle with babesiosis. L. V. Karpuk. *Vest. AN BSSR, Ser. sel'khoz. nauch.* no. 1, 117-121 '66
- Transplantation of the hematopoietic tissue in irradiated animals. E. A. Luria. *Usp. sovr. biol.* 52 no. 1, 65-78 Ji-Ag '61

## HEMICELLULOSE

- Effect of iodine on hemicellulose dynamics in barley. V. M. Tsiarikts'ken, N. B. Halunova. *Vest. AN BSSR, Ser. biol. nauch.* no. 4, 11-14 '66

## HEMINS

- Radioprotective and radiometric action of propyl gallic acid in glycine and hemin solutions. M. I. Amizgova, N. A. Duzhenkova. *Radiobiologiya* 2 no. 4, 607-610 '62

## HEMOCHROMATOSES

- Hemochromatosis. L. S. Leibin, B. L. Penenkov. *Arkh. pat.* 28 no. 10, 65-67 '66

## HEMOGLOBIN

- Electrophoretic analysis of hemoglobins in various bird species. B. F. Sukhomlinov, V. A. Kusintuk, M. D. Chulunov. *Dop. AN URSS* no. 12, 1605-1608 '66
- Heme transfer reaction of fetal hemoglobin in the presence of dithionite. T. V. Stepanova. *Biol. eksp. biol. med.* 63 no. 1, 18-20 Ja '67
- Protein fractions of blood serum, hemoglobin types and hemoglobin fractions in children. T. I. Kozlovskaya, P. A. Kurashvili, N. I. Vardanashvili. *Soob. AN Gruiz. SSR* 44 no. 3, 769-776 D '66
- Study of hemoglobin helix formation by optical activity dispersion method. M. V. Vol'kenshtein, A. K. Shomelin. *Biofizika* 11 no. 5, 773-778 '66

## HEMOLYSIS AND HEMOLYSINS

- Hereditary nature of interstrain differences in producing hemolysis against erythrocytes of rats in CBA and CC57BR mice. O. V. Rukhlin, R. P. Khromacheva. *Genetika* no. 12, 59-65 '66

## HEMOLYTIC ANEMIA

- Observation of patients with hereditary hemolytic anemia. I. B. Otasev, A. Kh. Adyrkhaev. *Sbornik trud. SOGMI* no. 10, 52-56 '61

## HEMORRHAGE

- Evaluation and selection of methods of determining surgical hemorrhage. E. M. Levito, L. N. Bogdanova. *Sov. med.* 30 no. 1, 54-58 Ja '67
- Hemorrhages following tonsillectomy. M. I. Garshin. *Zhurn. uzh. nos i gorl. bol.* 19 no. 6, 38-40 N-D '59

## HEMP

- Determining the properties of hemp yarn on the basis of empirical formulas. M. I. Fedtaeva, A. N. Barabanova. *Nauch.-issled. trudy TSNILV* 22, 185-197 '66
- Testing the LF-600-P drawing machine in the drawing of hemp filers in the rope industry. V. A. Petrova. *Nauch.-issled. trudy TSNILV* 21, 78-84 '66

## HEMP—FERTILIZERS AND MANURES

Effect of rubber-likh on the content of nitrogen, phosphorus, and potassium in hemp plants. N. I. Lukashina, V. V. Titunin. *Agronomiya* no. 1:130-135 Ja '67.

## HEMP—VARIETIES

Chance hemp. G. G. Davidkin. *Vest. sel'khoz. nauki* 11 no. 11:19-32 '66.

## HEPATITIS, INFECTIOUS

Clinical and morphological characteristics of acute toxic hepatitis of the liver in infectious hepatitis. V. T. Sinigailo, V. V. Zakhchevskii. *Sov. med.* 29 no. 10:102-105 O '66.

Clinical and morphological characteristics of chronic liver hepatitis and cirrhosis in children. R. F. Blagotom. *Izv. Otd. biol. nauk AN Tadzh. SSR* no. 1:85-92 '66.

Clinical significance of the uric-acid-synthesizing function of the liver in infectious hepatitis. G. F. Belov. *Sov. med.* 29 no. 11:71-76 N '66.

Effect of some vitamins of the B group on the course of virus hepatitis in mice. P. D. Stashov. *Biol. eksp. biol. med.* 63 no. 1:135-37 Ja '67.

Neuropsychic disorders of the disintoxic function of the liver in Botkin's disease. G. I. Shchepel. *Trudy Gos. nauch.-issl. inst. psikh.* 26:289-295 '61.

Results of using thioctone and galascorbin for the treatment of epidemic hepatitis. L. B. Romanova and others. *Sov. med.* 30 no. 1:89-89 Ja '67.

Secretions and acidity of stomach in infectious hepatitis. D. D. Taybaidze. *Sob. AN Gruz. SSR* 11 no. 3:825-832 D '66.

## HEPTADECENOIC ACID

Synthesis of cis-9-heptadecenoic and cis-9-heptadecenoic acids and study of their antiproliferative effect. V. A. Vavay, V. V. Doroga, V. D. Boigal'son. *Izv. AN SSSR, Ser. khim.* no. 12:2241-2242 '66.

## HEPTENYNOL

Isomerization of 2,4-dimethyl-2-hepten-6-yn-1-ol and (E,P,5)-trimethyl-5'-cyclohexen-6'-yl-3-methyl-1-hexen-5-yn-3-ol. K. N. Anisimov, N. F. Kolobova, G. K. Magomedov. *Izv. AN SSSR, Ser. khim.* no. 1:212-214 Ja '67.

## HERBICIDES

Aerosol spraying of shrubs with herbicides. T. Bot. L. Zvoiykina. *Zashch. rast.* 12 no. 1:33-34 '67.

Chemical weed control in pea fields using topotov and butaphen. N. A. Koshlov, V. P. Malkov. *Khim. v sel'khoz.* 5 no. 1:43-44 Ja '67.

Effect of herbicides on the yield and quality of sugar beet seeds. V. S. Dolia. *Khim. v sel'khoz.* 5 no. 1:38-41 Ja '67.

Effect of preceding crops on the effectiveness of herbicides in oil flax fields. I. V. Borodin, N. P. Shchepel. *Khim. v sel'khoz.* 5 no. 1:41-46 Ja '67.

Effect of the various amounts of herbicides on soil microflora. L. I. Iacova, E. D. Novogrudskaya. *Vest. sel'khoz. nauki* 11 no. 12:57-59 D '66.

Effect of 2M-4X and 2, 1-D herbicides on growth and development of regionally adapted varieties of fiber flax. A. F. Huz. *Vesti AN BSSR, Ser. biol. nauch. nav.* no. 4:11-17 '66.

Role of phosphates in increasing the effectiveness of herbicides. M. I. A. Derzovskii, B. A. Smolinov. *Khim. v sel'khoz.* 5 no. 1:35-38 Ja '67.

Testing chemical means for weed control in carrot, beet, and onion fields. P. S. Zhukava, T. U. Panamonava. *Vesti AN BSSR, Ser. sel'khoz. nav.* no. 4:43-48 '66.

## HEREDITY

Determining heritability of various characters in fishes. G. A. Nenashev. *Genetika* no. 11:100-108 '66.

## HEREDITY OF DISEASE

Observation of patients with hereditary hemolytic anemia. I. B. Otarsov, A. Kh. Adyrkhaev. *Sov. nauch. trud. SOGMI* no. 10:52-56 '61.

HEREFORD CATTLE see subdivision under Semipalatinsk Province

## HERNIA

Alloplasty of recurrent hernias with polychlorvinyl. A. V. Pokrovskii, I. U. Z. Kreindlin. *Khirurgia* 38 no. 11:97-100 N '62.

Labia results following hernioplasty in inguinal hernia by abdominal-aponeurotic plastic surgery of the inguinal canal. S. V. Gugutsidze. *Khirurgia* 38 no. 11:100-103 N '62.

Surgical treatment of neglected strangulated femoral hernias complicated by phlegmon of the sac. V. V. Ivanov. *Khirurgia* 42 no. 12:94-96 D '65.

## HEROES

The power of friendly contacts among servicemen. M. Sukhov. *Komm. Voenn. Sl.* 47 no. 1:26-33 Ja '67.

Shchepel, A. A. [A man from the legend; sketches] *Chelovek iz legendy; ocherki*. Moskva, DCSAAF, 1966. 86 p.

HERRING see subdivision under Baltic Sea

## HERTZEN, ALFSAKDR IVANOVICH, 1812-1870

Reading the works of Herten. Mikh. Lishits. *Vop. filol.* 21 no. 1:111-125 '67.

"Superfluous people" in Turgenev's and in Herten's concept in the fictions of the 19th century. G. N. Antonova. *Nauch. dokl. vys. shkoly, lit. i. nauk.* 5 no. 1:108-117 '62.

## HETEROCYCLIC COMPOUNDS

Study of tautomorphism of derivatives of N-heterocycles in vapors. D. S. Levin, G. N. Rodionova. *Dokl. AN SSSR* 172 no. 1:607-610 Ja '67.

## HETEROSE

Bielynev, D. D., ed. [Using heterosis in vegetable breeding] *Ispol'zovanie geterozisa v ovoshchevodstve*. [Krasnodar] Krasnodarskoe knizhnoe izd-vo, 1963. 312 p. (CU)

Economic efficiency of the application of heterosis. B. D. Ozonkin. *A. Zel'mov. L. kon. sel'khoz.* 12 no. 1:17-19 '67.

Heterosis in pure breeding of Orloff trotter. A. B. Fomin. *Genetika* no. 11:131-133 '66.

Polarity and heterosis in plants. G. Kh. Molodtsevskaia. *Vest. sel'khoz. nauki* 11 no. 11:20-34 '66.

## HEXANE

Composition of surface layer in the system n-hexane - acetone. A. I. Rusanov, S. A. Levichov, V. A. Rushin. *Vest. LGU* 31 no. 2:121-127 '66.

Conversion of n-hexane over aluminum-chromium-potassium catalyst subjected to radiation in a nuclear reactor. Viktor I. Spitsyn and others. *Dokl. AN SSSR* 171 no. 1:907-910 D '66.

Effect of graphitization of carbon black and of interparticle capillary condensation in it on the isotherm and differential heat of adsorption of n-hexane [with summary in English]. A. V. Iskhaniy, A. V. Kisilev. *Koll. zh.* 21 no. 3:281-289 My-Je '61.

## HEXONUM—THERAPEUTIC USE

Use of hexonum and novocaine in the treatment of peptic ulcer. A. Kh. Adyrkhaev, N. G. Dzakhova. *Sov. nauch. trud. SOGMI* no. 10:145-147 '61.

## HIALAL HERNIA

Surgical treatment of hernia of the esophageal hiatus of the diaphragm. B. V. Putovskii, N. N. Kaushin. *Khirurgia* 38 no. 11:3-14 N '62.

## HIDES AND SKINS—STANDARDS

All-Union state standard for dressed skins of the North Pacific Fur Seal. D. I. Shilina. *Kozh. obuv. prom.* 8 no. 11:13-11 N '66.

HIGH-FREQUENCY INDUCTION HEATING see Induction heating

HIGH MOLECULAR WEIGHT COMPOUNDS see Macromolecular compounds

## HIGH PRESSURE RESEARCH

Physicochemistry of pulsed pressure. S. S. Batsanov. *Inzh.-fiz. zh.* 12 no. 1:101-119 Ja '67.

HIGHER EDUCATION see Education, Higher

## HIGHWAY TRANSPORT WORKERS

Our best men. *Avi. transp.* 15 no. 1:1-5 Ja '67.

## HILBERT SPACE

Gaussian linear functionals on countable Hilbert spaces. I. U. A. Rozanov. *Dokl. AN SSSR* 171 no. 6:1286-1288 D '66.

## HIP JOINT

Development of hip joint movements in athletes. B. V. Scimicev. *Teor. i prak. fiz. kul't.* 29 no. 12:25-26 D '66.

## HIPPOCAMPUS (BRAD)

Electric activity of the hippocampus during peripheral stimulations. A. A. Ungladze. *Fiziol. zhurn.* 52 no. 12:1420-1427 D '66.

Electrophysiology of the hippocampus. P. M. Sterkov. *Fiziol. zhurn. [Ukr.]* 12 no. 6:815-828 N-D '66.

## HIRE

Contracts for the hire of property. D. Levenson. *Sov. iust.* 31 no. 3:17-18 F '67.

## HISTOCHEMISTRY

Histochemical study of polysaccharides in mucous membrane of respiratory region of nasal cavity and polyps. Zh. K. Popunova. *Ark. anat., gist. i embri.* 51 no. 10:69-75 O '66.

Histochemistry and some problems of the pathogenesis of hog cholera and swine erysipelas. M. S. Zhakau. *Vesti AN BSSR, Ser. sel'khoz. nav.* no. 4:112-116 '66.

Histochemistry of polysaccharides, lipids and nucleoproteins of the human thyroid gland in different forms of goiter. N. S. Doronko, A. U. Rudniskaya, P. P. Kalyniuk. *Probl. endok. i gorm.* 8 no. 6:75-80 N-D '62.

Possibility of using technique of diodes for histochemical detection of non-specific esterase. G. M. Biskolov, G. L. Markov. *Ark. anat., gist. i embri.* 51 no. 12:1-12 '66.

State of polyanion and methylglycol groups in applied monomers in frogs following a reflex stimuli. A. V. Alekhova, N. B. Taitina, B. I. A. Shcheglov. *Izv. Akad. biol. med.* 63 no. 10:1-13 Ja '67.

Use of autoradiography in studying chemical composition of cell structures, experiments with frog oocytes. P. V. Makarov. *Ark. anat., gist. i embri.* 51 no. 10:12-13 O '66.

## HISTOLOGY

[Development and regulation of histochemical reactions] *Razvitiye i regulatsiya gisto-gematicheskikh reaktsiy*. Moskva, Nauka, 1967. 190 p.

## HISTOLOGY—CONGRESSES

Second Conference of Anatomists and Histologists of Bulgaria. N. G. Kolesov, A. A. Mikhlin. *Ark. anat., gist. i embri.* 51 no. 8:89-90 D '66.

## HISTOLOGY, PATHOLOGICAL

Structure of the regenerated liver following the resection in young rats of various ages. V. P. Skolov. *Biol. eksp. biol. med.* 63 no. 1:81-85 Ja '67.

## HISTORICAL MARKERS

Soloukhin, V. A. [Native beauty; why we must study and preserve old monuments] *Rodnaya krajina; dlia cheloveka izuchat' i berech' pamiatniki stariny*. Moskva, Sovetskii khudozhnik [1966] 29 p. (Biblioteka "Iskusstvo")

## HISTORICAL MATERIALISM

Conception of the method of historical materialism. G. A. Kavaev. *Vest. LGU* 31 no. 2:55-60-66 '66.

Russia (U.S.S.R.) *Upravleniye propovedaniya obshchestvennykh nauk*. [Recommended subjects for training on the principles of philosophical knowledge, for secondary vocational correspondence schools in "Public health" and "Art"] *Tematika kursa i vykhodnykh ispravok*. [Moscow, 1966] 10 p.

Spirkin, A. G. [Course in Marxist philosophy] *Kurs marksistskoi filosofii*. Ld. 2, 1967. 541 p.

HISTORICAL MUSEUMS see subdivision under Integrative

HISTORICAL MUSEUMS—DESIGN AND CONSTRUCTION see subdivision under Krasnodar (Krasnodar Krai)

HISTORY. Brief notes. *Vop. ist.* 42 no. 1:181-183 Ja '67.

HISTORY—BIBLIOGRAPHY see Bibliography, History

HISTORY—METHODOLOGY. Characteristics of the historical methodology in the cognitive process. G. A. Podkorytov. *Vest. LGU* 31 no. 2:169-170 '66.

HISTORY—SOURCES. Forms and content of the sources of history. I. P. Pushkarev. *Sov. ist.* 42 no. 1:34-40 '66.

An international forum of archivists. G. A. Podkorytov. *Ark. anat., gist. i embri.* 51 no. 8:89-90 '66.

## HISTORY—STUDY AND TEACHING

Kosova, G. R. [Pictorial art in the teaching of history] *Izobrazitel'noe iskusstvo v prepodavanii istorii*. [Moskva, Prosveshcheniye, 1966] 174 p. (CS-11)

Motion pictures in history classwork. V. G. Chernysheva. *Vest. sel'khoz. nauki* 11 no. 3:71-73 My-Je '66.

## HISTORY, ANCIENT—PERIODICALS

A conference of contributors and readers of our periodical. V. S. Vest. drev. ist. no. 1:204-230 '67.

HISTORY, ANCIENT—STUDY AND TEACHING. A conference of contributors and readers of our periodical. V. S. Vest. drev. ist. no. 4:204-230 '66.

## HISTORY IN ART

Kosova, G. R. [Pictorial art in the teaching of history] *Izobrazitel'noe iskusstvo v prepodavanii istorii*. [Moskva, Prosveshcheniye, 1966] 174 p. (CS-11)

HODGKIN'S DISEASE. Distribution of amino acids between erythrocytes and plasma in the blood in patients with lymphogranulomatosis during radiotherapy. I. B. Pridham, M. M. K. M. E. M. Fil'kova. *Med. rad.* 12 no. 1:95-97 Ja '67.

Lymphogranulomatosis of mesenteric lymph nodes stimulating inoperable cancer of the ovary. A. A. Rossoshanskii. *Vop. onk.* 13 no. 1:92-93 '67.

Radiosensitizing effect of methylthiokeone diarsenite in X-ray irradiation of lymphosarcoma in white rats. L. A. Timonov and others. *Med. rad.* 12 no. 1:94-95 Ja '67.

HODGKIN'S DISEASE. Distribution of amino acids between erythrocytes and plasma in the blood in patients with lymphogranulomatosis during radiotherapy. I. B. Pridham, M. M. K. M. E. M. Fil'kova. *Med. rad.* 12 no. 1:95-97 Ja '67.

Lymphogranulomatosis of mesenteric lymph nodes stimulating inoperable cancer of the ovary. A. A. Rossoshanskii. *Vop. onk.* 13 no. 1:92-93 '67.

Radiosensitizing effect of methylthiokeone diarsenite in X-ray irradiation of lymphosarcoma in white rats. L. A. Timonov and others. *Med. rad.* 12 no. 1:94-95 Ja '67.

## 1) ODGK'S DISEASE (Continued)

Significance of radiation load on organs and tissues in radiotherapy of some malignant neoplasms and lymphogranulomatosis. L. V. Funtshel'm and others. Med. rad. 12 no. 1, 35-42 Ja '67.

Use of auto- and allografts of bone marrow in conjunction with increased doses of chemopreparations in the treatment of lymphogranulomatosis and tumorous reticulosis. G. F. Khutsishvili. Probl. gemat. i patol. krov. 12 no. 1, 37-40 Ja '67.

## HOG CHOLERA

Microchemistry and some problems of the pathogenesis of hog cholera and swine dysentery. M. S. Zhakau. Vestn. AN BSSR. Ser. sci. i med. 52 no. 4, 112-116 '66.

## HOME ECONOMICS—ACCOUNTING

see subdivision under Karelia

## HOMEOSTASIS—CONGRESSES

Symposium on homeostasis. E. I. Arshivskaya, V. D. Rozanov. Usp. sov. biol. 52 no. 1, 125-128 Ji-Ag '61.

## HOMER

Homer today. I. Verisman. Nov. mir. 38 no. 12, 263-265 D '62.

## HOMICIDE

Pechegallo, E. F. [Murders in the first degree and their control: a criminal law and criminological study]. Umyslennoye ubistvo i bor'ba s nim, ugolovno-pravovoe i kriminologicheskoe issledovanie. Voronezh, Izd-vo Voronezhskogo univ., 1965, 203 p. (MII-L)

## HOMOMLOGY THEORY

Rings of operations and Adams-type spectral sequences in cobordism theory. U. Cobordisms and the K-theory. S. P. Novikov. Dokl. AN SSSR. 172 no. 1, 33-36 Ja '67.

## HOMOTOPY THEORY

Topological embeddings in manifolds, and pseudotopology. I. Iudmila Keldysh. Mat. sbor. 71 no. 1, 133-153 D '66.

## HONEY PLANTS

Correlation between the number of bees on flowers and the indices of nectar productivity in plants. A. Mitrofanova. Uch. zap. GGU no. 50, 208-211 '59.

Some data on the biology of the development of mixtures of honey and forage plants. V. I. Redonov. Uch. zap. GGU no. 50, 195-207 '59.

## HONING

Diamond honing of hardened cast-iron cylinder sleeves. I. F. Igin. Stan. i inst. 37 no. 12, 26-29 D '66.

Effect of abrasive and diamond honing on surface layers of hardened steel. I. Kh. Chepovetskii. Vestn. mashinostro. 47 no. 1, 65-66 Ja '67.

Thermal phenomena in diamond and abrasive honing. I. Kh. Chepovetskii. Stan. i inst. 37 no. 12, 30-34 D '66.

## HOPPERS

Reducing noise and vibration on hoppers. R. Rubin. V. Afentik. Mor. flot. 27 no. 1, 30-39 Ja '67.

## HORMONE THERAPY

Effectiveness of compound treatment of peptic ulcer, including hormone therapy. N. F. Bogachenko, Sbor. nauch. trad. SOGMI no. 10, 137-144 '61.

## HORMONES

Akademiya nauk SSSR. Institut fiziologii. [Neurohormonal regulation of lactation]. Neuro-gormonal'naya regulatsiya laktatsii. Moskva, Nauka, 1966, 234 p.

Changes in functional activity of neurohormones in Paracentrotus lividus embryos in course of a mitotic cycle. G. A. Buznikova, I. V. Berdyshova. Dokl. AN SSSR. 167 no. 2, 486-488 Mr '66.

Influence of STH and ACTH on the antineoplastic effect of the toxicity of dipin in hypophysectomized rats with sarcoma 45. V. A. Chernov, A. S. Sokolova. Vop. onk. 13 no. 1, 70-76 '67.

Inhibition of the exophthalmic factor by anahormone. E. E. Limanova, L. N. Bulovskaya, V. M. Dill'man. Bul. eksp. biol. i med. 63 no. 1, 16-18 Ja '67.

Zhukovskii, M. A. [Growing organism and hormones]. Rastushchii organizm i gormony. Moskva, Znanie, 1967, 31 p. (Narodnyi universitet: Fakultet zdorov'ia, no. 4)

## HORMONES—PHYSIOLOGICAL EFFECT

Role of hormones in the regulation of correlations between thermoregulatory and genital system. V. V. Uzbekov. Fiziol. zhur. 52 no. 12, 1476-1480 D '66.

## HORMONES, SEX

Effect of sex hormones on blood coagulation system. E. K. Mochadze. Soob. AN Gruz. SSR. 44 no. 2, 499-506 N '66.

Effect of the blood serum and sexual hormones present in the urine of pregnant women on the isolated uterus. M. S. Giginel'svili. Soob. AN Gruz. SSR. 26 no. 6, 747-754 Je '61.

Regeneration of the thymus during considerable shifts in the sex hormone content of the organism. D. G. Malkina. Probl. endok. i gorm. 8 no. 6, 91-97 N-D '62.

Review of V. M. Dill'man's book "Clinical use of sex hormones and their analogues." V. G. Baranov, A. M. Raskin. Probl. endok. i gorm. 8 no. 6, 98-100 N-D '62.

## HORNBLLENDE

see subdivision under Crimean Mountains

## HORNBLLENDE—ANALYSIS

Chemical region (Ukraine); Soloncha Valley (Ukraine)

## HORNTAILS

see subdivision under Carpathian Mountain region

## HORSE BREEDS

Heterosis in pure breeding of Orlov trotter. A. B. Gornin. Genetika no. 11, 131-133 '66.

## HORSEFLIES

Protection of reindeer used for draft purposes from horseflies. D. V. Savelyev, V. A. Poljakov. Vestn. sel'khoz. nauki. 11 no. 12, 136 D '66.

## HORSEFLIES—PARASITES

see Parasites—Horseflies

## HORSES—ANATOMY

Changes in ultimate strength of bone tissue along tubular bone diaphyses in extremities of some ungulates. I. U. P. Antipchuk. Dop. AN URSR no. 10, 1352-1353 '66.

## HOSE—TESTING

Study of the properties of some hose materials under the action of dynamic and impact loads. L. N. Ustisov, V. A. Lepetov. Knuch. i rez. 26 no. 1, 41-43 '67.

## HOSE—COUPLINGS

Connecting of hoses. V. Senenov. Tekh. v sel'khoz. 21 no. 12, 63 D '61.

## HOSIERY INDUSTRY—PRODUCTION STANDARDS

see subdivision under Chikmunt

## HOSPITALS—HYGIENE

Contamination of air in the hospital chambers and control premises with hemolytic cocci and their biological characteristics. L. V. Hryshchova, V. A. Iakushenko. Mikrobiol. zhur. 21 no. 5, 30-35 '62.

## HOSPITALS—OUTPATIENT SERVICES

Some problems in organizing outpatient traumatological service. D. S. Navitskii. Ortop. i travm. i protez. 27 no. 12, 54-56 D '66.

## HOT-AIR HEATING

Heated temperature of return water behind the hot-air heating radiators connected to district heating systems. N. F. Nestorovich. Teploenergetika. 7 no. 5, 24-28 Ag '60.

## HOT-WATER HEATING

A mobile heater. V. Shehebetun. Tekh. v sel'khoz. 21 no. 12, 74-75 D '61.

Single-pipe system of heat supply with central mixing substation and series accumulating tanks. I. U. D. Baidukin, I. A. G. Shvartsbein. Ved. i nauka. no. 11, 21-24 N '66.

## HOTBEDS

Supports of hotbed frames. Kh. Popandopulo, V. Voloboev. Tekh. v sel'khoz. 27 no. 1, 79 '67.

## HOTELS, TAVERNS, ETC.

Problems of hotel interiors in standard building. G. I. Kolchanova. Trudy MVKHPU no. 2, 158-177 '62.

## HOTELS, TAVERNS, ETC.—FURNITURE, EQUIPMENT, ETC.

Furniture for hotels. Stroitel' arkhitekt. 28 no. 6, 36 Je '66.

## HOURS OF LABOR

The five-day workweek and the structure of working time. I. U. Makarevskii. Sots. trad. 12 no. 1, 101-103 Ja '67.

The five day workweek, production, and the sphere of service. O. Dronina, F. Protsal. Sots. trad. 12 no. 2, 127-133 F '67.

Practice in organizing a two-shift work schedule for milkers. N. M. Baranova. Dokl. i soob. VMESEKII no. 20, 131-137 '65.

Shorter working day with new wage arrangements. S. K. Mar'enko. Razved. i okh. ned. 26 no. 8, 57-58 Ag '60.

We work five days a week. N. Kozhennikova. Mias. ind. SSSR. 38 no. 1, 15-16 Ja '67.

## HOUSING

Living quarters in housing developments belonging to industrial plants. S. Kuznetsov. Agitator. 3d no. 3, 40 F '67.

## HOUSING—LAW AND LEGISLATION

Answering our readers' questions. Sov. iust. 31 no. 3, 32 F '67.

Court practice in civil law conflicts between private persons and cooperative residential building associations. LA D. Anashkin. Sov. iust. 30 no. 1, 116-122 Ji '67.

A decree of the Presidium of the Supreme Soviet of the U.S.S.R. Sov. iust. 30 no. 2, 120 D '66.

## HOUSING MANAGEMENT

see subdivision under Moscow

## HOUSING MANAGEMENT—FINANCE

see subdivision under Moscow

## HOUSING RESEARCH

The Housing Institute. A. P. Olykhova. Izv. ASIA no. 3, 131-133 '61.

## HRABOV'S'KYI, PAVLO ARSENOVYCH, 1804-1802—LANGUAGE

Industrial-professional vocabulary as a means of artistic expression in the poetic works of P. A. Hrabov's'kyi. N. A. Iatsenko. I. ekspol. ta l. ksyv. no. 2, 61-75 '66.

## HULLS (NAVAL ARCHITECTURE)

Data mining and evaluating the structural strength of ice-breaking ships by converting from a prototype. D. E. Khicina. Sudost. obozr. 27 no. 1, 14-15 Ja '61.

## HULLS (NAVAL ARCHITECTURE)—STANDARDS

Developing standard specifications and norms for hull assembly operations. N. N. Varvarin and others. Sudost. obozr. 27 no. 1, 53-57 Ja '61.

## HUMAN ANATOMY

see Anatomy, Human

## HUMAN EMBRYOLOGY

see Embryology, Human

## HUMAN ENGINEERING

Engineering psychology and visual study aids. A. A. Chirnov. Shkola i prof. 10 no. 10, 46-48 O '66.

Industrial production and the psychologist. Prom. Arm. 9 no. 1, 56-59 '66.

Komarova, N. [Improvement of working areas in the machinery industry, a survey]. Sovetskoye stroitel'stvo i mashinostroyeniye, obzor. Riga, Latvskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966, 41 p. (Nauchnaia organizatsiya tuda)

## HUMANITIES

see subdivision under Hoston-on-Don

## HUME, DAVID, 1711-1776

Nareshki, I. S. [Philosophy of David Hume]. Filosofiya Davida Guma. [Moskva] Izd-vo Mosk. univ., 1967, 355 p.

## HUMERUS—FRACTURE

Splint device for the treatment of transcondylar fractures of the humerus in children. V. K. Urmanov. Ortop. i travm. i protez. 27 no. 12, 66-68 D '66.

## HUMIC ACID

Structure formation and rheological properties of aqueous dispersions of bentonite clays during their interaction with humates [with summary in English]. T. S. Lun, N. N. Sviridova, P. A. Rebinder. Kolloid. zhur. 23 no. 3, 327-133 My-Ju '61.

## HUMIDITY

(see also subdivision under Gazli region, Uzbekistan)

Effect of the air moisture on the relaxation process taking place in blended yarn during the cycle "loading - unloading - rest." O. I. A. Berezina, E. N. Kudasova. Nauch. i issl. trudy TSNKHBi za 1963 g. 138-152.

Problem of heat and humidity transfer of certain solids under boundary conditions of the second kind. Sh. N. Pilat. Inzh. i fiz. zhur. 11 no. 6, 740-746 D '66.

Study of the effect of the drop of relative humidity of the air on the deformation of leather parts during the manufacture and storage of footwear. G. S. Klimchuk, I. U. P. Zybina. Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 6, 95-99 '66.

## HUMUS

(see also subdivision under Central Chernozem Preserve; Kazakhstan; Krasnoyarsk Territory)

Dynamic of organic matter in soil under a rye monoculture. G. S. Montulak. Pochvovedenie no. 3, 21-33 Mr '60.

Modification of the volumetric method of humus determination for mass analyses. V. N. Simakov, V. P. Tsyplenkov. Pochvovedenie no. 4, 113-119 Ap '60.

Organic matter in soil and plant nutrition. M. M. Kononova, K. V. D'ankonova. Pochvovedenie no. 3, 1-11 Mr '60.

Spectrophotometric determination of the humus content of soil. D. S. Orlov, N. M. Grindel'. Pochvovedenie no. 1, 112-122 Ja '67.

Studying the effect of wind erosion on the change in the composition of organic matter in light soils. E. A. Chakvetadze, T. P. Iakubov. Pochvovedenie no. 1, 91-93 Ja '67.

Titrimetric for use in the volumetric method of humus determination. V. P. Tsyplenkov. Pochvovedenie no. 1, 120 Ap '60.

## HUNGARIAN NEWSPAPERS

The "Nepzabadsag" Janos Nemcs Nov. vrom 25 no. 7 10 1 '67

## HUNGARY—ARCHITECTURE

Created by Hungarian architects, based on the works of the Institute for the Design of Public Buildings, A. A. Iushovskii Stroi i arkh. Len 28 no. 6 35 Ja '66.

## HUNGARY—BAKING—RESEARCH

Work of the scientific research institutes of the baking industry of socialist countries. I. E. Moroz, Khleb i kond. prom. 11 no. 1 16-19 Ja '67.

## HUNGARY—BIBLIOGRAPHY

[New literature on Hungary] Nov. lit. po Veng. no. 1 '67.

## HUNGARY—CHILDREN

Uncounts on the street of the future. S. Tsukakov, Sem. i shkol. 21 no. 7 50-51 Ji '66.

## HUNGARY—GROUTING

Practice of using bentonite for grouting rocks in underground construction in Hungary (conclusion). I. K. Stanchenko, M. I. Chel'tsov, Stakh. stroi 5 no. 11 27-30 Ji '61.

## HUNGARY—IRRIGATION

Using the principles of genetic soil science in solving some problems of soil mechanization and agricultural chemistry. I. S. Bol'shchikov, Pochvovedenie no. 1 66-70 Ja '67.

## HUNGARY—SOILS—MAPS

Using the principles of genetic soil science in solving some problems of soil mechanization and agricultural chemistry. I. S. Bol'shchikov, Pochvovedenie no. 1 66-70 Ja '67.

## HUNGARY—TECHNICAL EDUCATION

Some problems of industrial training. Bela Medziesz, Shkola i protz. 10 no. 12 72-71 D '66.

## HUNGARY—TRADE UNIONS

Training by persuasion. Janos Vas, Sov. prof. soz. 23 no. 1 37-38 Ja '67.

## HUNTING see subdivision under Khamar Daban Range

## HURRICANES

The ocean is attacking. I. Sheinis, Az. i Af. seg. 10 no. 1 6-7 Ja '67.

## HUSBAND AND WIFE

Andreeva, I. V. [Family affairs, notes of a lawyer]. Dela semelnye; zametki iurista. Petrozavodsk, Karol'skoe knizhnoe izd-vo, 1966. 102 p.  
A traitor in the house. L. Nemenova, Mol. komm. no. 4 88-92 Ja '66.

## HYALURONIC ACID—THERAPEUTIC USE

Use of hyaluronic acid for the preparation of granulating wounds and ulcers for skin grafting. S. P. Vilesov, V. S. Bel'kov, Ortop., travm. i protez. 27 no. 12 57-60 D '66.

## HYALURONIDASE

Biochemical characteristics of hyaluronidase of an animal tissue. A. A. Baev, Dokl. AN SSSR 172 no. 3 720-722 Ja '67.

Study and comparison of the cup endothelial test, diphenylamine test and content of antistreptolysinase in the active phase of rheumatic fever. S. I. Lilienko, Trudy LPA 37, 139-145 '65.

## HYBRID CORN

1969 hybrid corn. B. V. Magidov, Vest. 11 no. 12 62-64 D '66.

Use of the application of heterosis. Zel'dner, Ekon. sel'khoz. 42 no. 1.

Field of interline hybrid corn. A. S. Trofimov, Vest. sel'khoz. nauki 11.

[New achievements in the hybridization of gibberdizatsii kukurudz. i dop. Kyiv, Urozhai, 1965. 71 p.

Domestic animals. I. I. Lakoza, Genetika 6.

Isolation under Soviet Far East) of treating echinococcosis entitled. Doenichin, Khirurgia 42 no. 12, 70-71.

subdivision under White Russia

Cholera on formation of crystal hydrates. A. A. Krasnov, Gaz. delo no. 12.

## HYDRATION

Kinetics of cement hydration in concrete at elevated temperatures. L. A. Silchenko, N. V. Mikhailov, P. A. Rebninder, Dokl. AN SSSR 167 no. 2 391-391 Mi '66.

Nature of exchange ions and hydration energy of ion exchangers. E. T. Nefzuch and others. Dokl. AN SSSR 171 no. 6 1373-1373 D '66.

## HYDRAULIC CONTROL

Some factors influencing the strength of rubber sealings of the hydraulic drive. D. B. Dobrushkin and others. Kauch. i rez. 26 no. 1 36-10 '67.

## HYDRAULIC CONVEYING

Experience in using KM-81 equipment complexes. N. A. Shevjakov, P. P. Denisov, I. I. Litvin, Ugol' 32 no. 1 38-12 Ja '67.

Results of the operation of an electromagnetic flowmeter on coal pulp. L. P. Dikmarova, Ugol' 32 no. 12 20-21 D '62.

## HYDRAULIC ENGINEERING

(see also subdivision under Balkal Lake region)

Accident prevention in the construction of crossings over water obstacles. IU. P. Mikhailevskii, Stroi. i. 6 no. 12 23-24 D '61.

Borehole drilling for smooth blasting with small-diameter roller bits. M. G. Abramson, Vzyv. delo no. 61/81:60-66 '66.

Determining the protective layer thickness during blasting operations in making foundation pits and other cavities for important hydraulic engineering installations. B. I. Komenka, A. A. Feshchenko, Vzyv. delo no. 61/81:43-59 '66.

Important problems of the improvement of designing in mechanization. V. M. Dombrovskii, Gidr. i. mel. 19 no. 1 52-55 Ja '67.

Main trends in the development of boring and blasting operations in hydraulic engineering. A. G. Bagdasarov, Vzyv. delo no. 61/81:200-297 '66.

Problems of soil dynamics for hydraulic construction and direction of further research. I. D. Aptekar', I. N. Shecherbina, Trudy Gidropoekta no. 13:93-106 '66.

Resolution of seminar on dynamics of hydraulic structures. Trudy Gidropoekta no. 13:107-109 '66.

## HYDRAULIC ENGINEERING—CONGRESSES

The thirtieth anniversary of the Phis. All-Union Congress of Hydraulic Engineers. G. O. Levit, Gidr. stroi. 32 no. 11 63-61 N '61.

## HYDRAULIC ENGINEERING—EQUIPMENT AND SUPPLIES

see subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU)

## HYDRAULIC ENGINEERING—TABLES, CALCULATIONS, ETC.

Analysis of pinpoint blasting. I. A. Sh. nuuman, Vzyv. delo no. 61/81:175-187 '66.

Computation of unknown quantities without the solution of consistent equations in the calculation of statically undeterminable constructions. I. L. G. Ivanov, K. P. Zhuvai', Trudy Gidromskii no. 15 3-29 '60.

## HYDRAULIC ENGINES

Regulating effective volume of radial piston hydraulic engines. A. I. A. Hovov, IU. I. Lovtsov, Vest. mashinost. 47 no. 1 20-24 Ja '67.

## HYDRAULIC GATES—DYNAMICS

Dynamics of subsurface hydraulic gates. A. S. Abelev, V. A. Solov'yev, P. E. Lysenko, Trudy Gidropoekta no. 13 45-59 '66.

## HYDRAULIC JACKS

Hardening reinforcement using DG-170/1120 hydraulic jacks. R. Chanyshv, Prom. stroi. i. inzh. soor. 8 no. 6:18-20 N-D '66.

## HYDRAULIC JACKS—RELIABILITY

Improving and increasing the operational reliability of individual hydraulic supports. I. L. G. Elkhman, B. A. Karavaev, Ugol' 42 no. 1:42-44 Ja '67.

## HYDRAULIC JUMP

Some results of studying pulsation of pressure in hydraulic jumps. O. F. Vasilev, V. I. Bukreev, Trudy Gidropoekta no. 13 172-170 '66.

## HYDRAULIC MACHINERY

Development of vertical hydraulic ship raisers in shipyards of the German Democratic Republic. G. N. Finkel', L. G. Iaroslavskii, Sudostroenie 27 no. 1:65-68 Ja '61.

Using the advantages of hydromechanization. V. P. Mikhutin, A. T. Kuprin, Puti i. put. khoz. 10 no. 9:20-21 '66.

## HYDRAULIC MACHINERY—TESTING see subdivision under Volga Hydroelectric Power Station (Lenin)

## HYDRAULIC MEASUREMENTS

Errors in measuring flow from a vortex source using sondes. G. V. Viktorov, Energomashinost. 12 no. 11 1-7 N '66.

## HYDRAULIC MINING

(see also subdivision under Kaznodsk Basin)

Scientific conference on the expansion of hydraulic mining. M. M. Fokanov, P. E. Litvin, Ugol' 32 no. 3 19 Mi '63.

Short pillar system of mining along the strike used in hydraulic coal mining. L. A. Gerasimov and others. Ugol' 32 no. 3 9-10 Mi '63.

## HYDRAULIC MINING—EQUIPMENT AND SUPPLIES

Experience in nonpressure tailoring clay locks to increase efficiency of their hydraulic giant pumps. G. A. Murzik, V. P. Popov, Ugol' 42 no. 1 30-31 Ja '67.

## HYDRAULIC MINING—SAFETY MEASURES

Ventilation of unilateral slopes in bedrock mining. Local ventilation fans and air leakage into the atmosphere. M. P. Kukharskii, V. V. Kuchuk, Ugol' 32 no. 8 9:7-78 '65.

## HYDRAULIC PRESSES

New exhibits at the Exhibition of the Achievements of the National Economy. Inform. blud. VONKII no. 1 9 Ja '67.

Use of the modernized, revolving, semi-automatic MP52-M press for the vulcanization of rubber parts. N. V. Vasil'ev and others. Kozh. i. shuv. prom. 8 no. 14-17 N '66.

## HYDRAULIC STRUCTURES

Calculation of the wings of guide walls. A. I. Ostravskii, Trudy TITMSKII no. 15 68-75 '60.

Conference to exchange experience in designing and building hydraulic tunnels and underground hydraulic power stations. V. I. Kuperman, Gidr. stroi. 42 no. 11 56-63 N '61.

Grishin, M. M., ed. [Methods of calculating stability and strength of hydraulic structures, reinforced concrete structures on non-rock bases]. Metody rascheta i ustoychivosti i prochnosti gidrotekhnicheskikh sooruzhenii, zhelezobetonnykh sooruzhenii na neskal'nykh osnovaniakh. Izd. 2. [By] V. P. Likhachev i dr. Moskva, Stroiizdat, 1966. 438 p.

Optimum operation of the reservoir of a hydrostation under hydrological conditions of high water content at a given operational volume. IU. E. Gulliev, Izv. AN Azerb. SSR, Ser. fiz.-mat. i. tekhn. nauk no. 7 60-77 '62.

Technical and economic indices of the use of concrete pumps in the construction of hydraulic structures. V. V. Valashkin, Energ. stroi. no. 7:37-12 '66.

We are putting into operation good grade structures. L. K. Shevchenko, Transp. stroi. 16 no. 1:18-20 Ag. '66.

## HYDRAULIC STRUCTURES—DYNAMICS

Immediate problems of research into dynamics of hydraulic engineering works. G. A. Ruzsov, I. S. Stepanov, Trudy Gidropoekta no. 13:5-13 '66.

## HYDRAULIC STRUCTURES—MAINTENANCE AND REPAIR

Russia (U. S. S. R.) Gosudarstvennyi komitet po delam stroitel'stva. [Regulation on the planned preventive repair of sea and river port, navigation and ship lifting hydraulic structures]. Polozhenie o planovom i. produmirovannom remonte morskikh i rechnykh portovykh, sudokhodnykh i sudopod'zemnykh gidrotekhnicheskikh sooruzhenii. Izd. ofitsial'n. Moskva, Stroiizdat, 1966. 50 p.

## HYDRAULIC STRUCTURES—THERMAL PROPERTIES

Convective heat conductivity in concrete hydraulic structures. N. N. Verigin, Dun. inzh. i. inzh. (Gidr. stroi.) 32 no. 11 45-47 N '61.

## HYDRAULIC TURBINES

(see also subdivision under Uch-Kurgan Hydroelectric Power Station; United Arab Republic)

Effect of abrasive wear of components on the efficiency of hydraulic turbines. N. I. Pylov, Energomashinost. 12 no. 11:31-33 N '66.

Effect of leakage on the efficiency of a radial and axial hydraulic turbine. M. M. Orskhel'man, Energomashinost. 6 no. 9:12-14 S '60.

Effect of pulsation of pressure on structures in flow section of swirling blade hydraulic turbines. I. A. Zakhvatov, M. F. Sarkisova, Trudy Gidropoekta no. 13:7-14 '66.

Machining of radial openings of the stator of horizontal hydraulic turbines. K. S. Chelopo, Energomashinost. 12 no. 11:41-42 N '66.

Use of electronic integrators for studying the dynamics of the speed control of hydraulic units. F. I. Perovskii, V. V. Semenov, E. N. Fomin, Sborn. rab. po vop. elektromekh. no. 4:235-248 '60.



## HYDRAULIC TURBINES—CORROSION

Corrosive-destructive destruction of metals in hydraulic turbines. I. R. Kizilman, G. I. Babushina. *Inzhingomashinostroyeniye* 6 no. 10, 33-35 O '60.

## HYDRAULIC TURBINES—TESTING

Resistance to cavitation of hydraulic turbine materials under actual operating and laboratory conditions. N. I. Pylov, *Ennergomashinostroyeniye* 6 no. 9:28-31 S '60.

## HYDRAULICS

Calculating the steady flow of a stream through alluvial deposits. P. Sh. Mukhamedzhanov. *Trudy TIIMSKII* no. 3:51-57 '60.

Graph representing the specific energy of the cross section of a trapezoidal stream channel and its application. A. V. Troitskiy. *Trudy TIIMSKII* no. 15:61-64 '60.

Graphs for determining critical depths for trapezoidal, circular and other cross sections. A. V. Troitskiy. *Trudy TIIMSKII* no. 15:95-96 '60.

## HYDRAZIDES

Interaction of asymmetrically disubstituted hydrazides with derivatives of  $\alpha, \beta$ -unsaturated acids. Report No. 3: N-benzyl-N-phenylhydrazides of unsaturated acids. N. P. Zapevalova, P. A. Sokolova, *Izv. AN SSSR, Ser. khim.* no. 12:2197-2200 '60.

## HYDRAZINE

Interaction of asymmetrically disubstituted hydrazines with derivatives of  $\alpha, \beta$ -unsaturated acids. Report No. 4: Reaction of N, N-dimethylhydrazine with  $\alpha, \beta$ -unsaturated acid esters. N. P. Zapevalova, L. A. Ostannikova, P. A. Sokolova, *Izv. AN SSSR, Ser. khim.* no. 12:2200-2204 '60.

Reaction of asymmetrically disubstituted hydrazines with  $\alpha, \beta$ -unsaturated acid derivatives. Report No. 5: Preparation of 1,1-dimethylhydrazine from dimethylhydrazine chloride. N. P. Zapevalova, L. A. Ostannikova, P. A. Sokolova. *Izv. AN SSSR, Ser. khim.* no. 1:162-164 Ja '67.

## HYDRAZONES—DIPOLE MOMENTS

Tautomorphism and conformational isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 14: Dipole moments and structure of phenylhydrazones of some aldehydes and ketones. *Izv. AN SSSR, Ser. khim.* no. 12:2004-2009 '60.

## HYDRAZONIUM COMPOUNDS

Photochemical oxidation and reduction of hydrazonium ions. V. S. Danilov-Pek, T. N. Glazova, *Elektrokhimiya* 2 no. 12:1400-1401 D '60.

## HYDROCLIC ACID

Hydrogenation of triphenyl in presence of hydrogen chloride and oxygen. S. V. Adzhonov, V. I. Nikonov, *Neftokhimiya* no. 8:40-44 '66.

## HYDROLOGICAL RESEARCH

see subdivision under Pacific Ocean

## HYDROBIOLOGY

(see also subdivision under Pacific Ocean)

Hydrochemical characteristics of the formation of primary production in sea water. M. V. Fedosov, N. V. Azova, L. A. Ermachenko. *Trudy VNIRO* 60:60-77 '65.

Main objectives of hydrobiology and ichthyology in current five-year plan. G. V. Nikol'skii, *Gidrobiol. zhur.* 2 no. 6:6-10 '66.

Some problems of marine sanitary hydrobiology. O. G. Mitronov, *Gidrobiol. zhur.* 2 no. 6:72-80 '66.

## HYDROBROMIC ACID

Role of molecular complexes in hydrobromination of allyl chloride at temperatures close to 77°K. F. I. Iakovenko, G. H. Seigeev, M. M. Rukhimov. *Dokl. AN SSSR* 171 no. 4:890-893 D '66.

## HYDROCARBON OILS—ANALYSIS

Chemical composition of 700° - 200° fraction of hydrocarbon product from gas oil by act of catalytic cracking. R. A. Konstantina, P. S. Nikiforova, N. G. Grantovskaya, *Neftokhimiya* no. 8:8-8 '66.

## HYDROCARBONS

(see also subdivision under Turkmenistan)

Catalytic interaction of nitrobenzene with cyclohexane, cyclohexene, and n-hexane. N. S. Kozlov, N. K. Matveeva. *Uch. zap. Perm. ped. inst.* 32:14-20 '65.

Catalytic interaction of nitrobenzene with hydrocarbons. N. S. Kozlov, N. K. Matveeva. *Dokl. AN SSSR* 172 no. 1:600-602 Ja '67.

Chemistry of hydrocarbons and their catalytic transformations. A. L. Liberman. *Usp. khim.* 30 no. 5:563-592 '61.

Corrosion inhibitors in the system hydrocarbons - aqueous solutions. V. P. Negreev, I. A. Mamedov, G. M. Abdullayeva. *Trudy Inst. khim. AN Azerb. SSR* 20:36-50 '61.

Degree of deviation from equilibrium state in traps during petroleum separation. I. S. Starubinskiy, S. F. Meiseikov. *Nauch.-tekhn. sbor. po dok. nafti* no. 3:100-103 '65.

Effect of chemical composition of system on quenching of chemiluminescence by oxygen. V. A. Belanov, T. N. Bykhovskaya, R. T. Vasil'ev. *Zhur. prikl. spekt.* 5 no. 5:630-631 N '66.

Effect of unsaturated hydrocarbons on tendency of diesel fuels to form precipitates on needles of atomizers. B. A. Englin, F. G. Kuznetsov. *Neftokhimiya* no. 10:7-10 '66.

Electrokinetic phenomena in hydrocarbon systems with a hydrophobic dispersed phase [with summary in English]. I. D. Denegay, G. V. Vinogradov, A. M. Vovnenko, *Koll. zhur.* 33 no. 3:257-261 '61.

Experience in centralized purification of hydrocarbon gases in order to obtain stock for petrochemical industry. A. L. Chverikov. *Neftokhimiya* no. 10:20-21 '66.

Investigating 100°-150° paraffinic-naphthenic fraction of hydrocarbon product of bicyclic hydrocarbons. T. A. Bogdanova, I. V. Kalachuk. *Neftokhimiya* no. 12:27-30 '66.

Performance of various groups of oil hydrocarbons and their receptivity for the AzNH-7 additive. A. M. Kuliev and others. *Sbor. trud. Az. NI NP* no. 3:269-277 '58.

Study of the group hydrocarbon composition of high boiling fractions (above 350°) of some Azerbaijan oils. G. G. Ashumov, Sh. V. Veliev, T. S. Stepanian. *Sbor. trud. Az. NI NP* no. 3:32-44 '58.

Ways of maximum utilization of light hydrocarbon components in production and initial preparation of petroleum. A. S. Elgenson, L. I. Vatsavskaya, I. M. Molochnikov. *Neft. zhur.* 41 no. 12:17-19 D '66.

Wetting of steel in the system hydrocarbons - aqueous solutions under conditions of moving liquid. V. N. Negreev, I. A. Mamedov, G. M. Abdullayeva. *Trudy Inst. khim. AN Azerb. SSR* 20:51-64 '64.

## HYDROCARBONS—OPTICAL PROPERTIES

Refractometric characteristics of solid petroleum hydrocarbon fractions not containing n-alkanes. A. N. Guseva, I. E. Leifman. *Izv. vyz. ucheb. zav. naft. i gaz* 9 no. 8:45-47 '66.

## HYDROCARBONS—SPECTRA

Experimental and theoretical study of the line intensity of the vibrational spectra of organogermanium compounds and some hydrocarbons. S. V. Markova. *Trudy Fiz. inst.* 35:150-227 '66.

Magnetic resonance of protons of water and n-hydrocarbons adsorbed by silicate sorbents of different porous structure. B. I. Tul'bovich and others. *Izv. vyz. ucheb. zav. khim. i khim. tekhn.* 9 no. 5:735-737 '66.

## HYDROCARBONS, EFFECT OF RADIATION ON

Mechanism of the processes of radiolysis of hydrocarbons absorbed on silica gel. V. V. Strelko, K. A. Suprunenko. *Teor. i ekspr. khim.* 2 no. 5:694-697 S-O '66.

## HYDROCEPHALUS

Experimental treatment of brain edema in white mice. V. M. Samvelian. *Biol. zhur. Arm.* 10 no. 10:78-84 O '66.

## HYDROCHLORIC ACID

Continuous hydrolysis of the polysaccharides of plant tissues with 46-48% hydrochloric acid. Report No. 3: Absorption of hydrogen chloride by moist wool. N. V. Chelov, A. E. Leshchuk. *Izv. vyz. ucheb. zav. naft. i gaz* 9 no. 8:336-343 '66.

Continuous hydrolysis of the polysaccharides of plant tissues by 46-48% hydrochloric acid. Report No. 6: Thermal treatment of wood saturated by gaseous hydrogen chloride with simultaneous increase of the partial pressure of hydrogen chloride. N. V. Korotkov, N. V. Chelov. *Sbor. trud. NIIGS* 14:180-191 '65.

Interaction of acyldiethylenetriamides of phosphoric acid with hydrogen chloride and chlorine. I. D. Protchenko, N. A. Skut'skaya. *Ukr. khim. zhur.* 32 no. 11:1195-1199 '66.

Method of calculating the column for salt (extractive) rectification of hydrochloric acid. O. V. Tyshetskaya, I. M. Grinshtein. *Sbor. trud. NIIGS* 14:225-237 '65.

Splitting off of phenyl groups in methylphenylsiloxanes under the effect of hydrochloric acid. A. O. Kuznetsova, V. I. Ivanov, G. G. Pechenina. *Prikl. massy* no. 1:25-28 '67.

Study of the structure of hydrochloric acid hydrates-solvates in tributyl phosphates by means of infrared spectroscopy. E. V. Komarov, M. E. Chukhova, M. F. Pughlenkov. *Zhur. neorg. khim.* 12 no. 1:231-235 Ja '67.

Use of the method of salt (extractive) rectification for the decomposition of hydrochloric acid in the hydrolysis of glucose production. O. V. Tyshetskaya, I. M. Grinshtein, N. V. Lebedev. *Sbor. trud. NIIGS* 14:218-224 '65.

## HYDRODYNAMICS

Cauchy problem for minor oscillations of a viscous fluid in a weak field of mass forces. N. D. Kopachevskii. *Zhur. vych. mat. i mat. fiz.* 7 no. 1:128-140 Ja-F '67.

Effect of the initial temperature nonuniformity of the main stream on the efficiency of film gas cooling of a plate surface in a turbulent flow. V. I. Ryabov, O. A. Bolshukh-Kozachuk. *Dop. Ak. URSR* no. 12:1589-1591 '66.

Equations of quantum hydrodynamics allowing for dissipation processes. V. A. Krasnikov. *Vest. Mosk. univ. Ser. fiz. i astron.* 21 no. 6:57-62 N-D '66.

Heat transfer and temperature distribution in the wall of a square channel during turbulent flow of water and mercury. M. Kh. Ibragimov and others. *Teplotiz. iys. temp.* 1 no. 6:846-852 N-D '66.

An important characteristics of the spinale. V. P. Strykov. *Teplotiz. iys. temp.* 4 no. 6:816-820 N-D '66.

Motion of a body containing a cavity partially filled with a viscous fluid. P. L. Chernous'ko. *Prikl. mat. i mekh.* 30 no. 5:977-992 N-D '66.

Note on R. V. Birikh's paper "On the spectrum of minor perturbations of a plane-parallel Couette flow." PMM 1965, v. 29, no. 4 and "On minor perturbations of a plane-parallel flow with a cubic velocity profile." PMM 1966, v. 30, no. 2. R. V. Birikh. *Prikl. mat. i mekh.* 30 no. 6:1147 N-D '66.

Pressure fluctuation and heat transfer to a wall in the zone of discrete vortices of a confined jet. M. S. Fomichuk. *Izv. AN SSSR. Energ. i transp.* no. 6:115-118 N-D '66.

Solution of a nonstationary Oseen's boundary problem for a cylinder. L. E. Avallshvili. *Sob. AN Gruz. SSR* 26 no. 6:647-651 Ja '61.

Solution of a problem involving unsteady motion of a viscous incompressible liquid in a narrow fissure, no initial conditions being given. R. S. Gurbanov, A. F. Kasimov. *Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk* no. 5:119-129 '62.

Some self-similar motions of a gas due to impact and detonation in a medium of variable density. I. I. Andriankin. *Prikl. mat. i mekh.* 30 no. 6:1133-1139 N-D '66.

## HYDROELECTRIC POWER

see subdivision under Nepal

## HYDROELECTRIC POWER STATIONS

(see also subdivision under Irkutsk Province; Vakhsh River; Vakhsh Valley; see also Bratsk Hydroelectric Power Station; Dneprostroy zhtsk Hydroelectric Power Station; Inguri Hydroelectric Power Station; Kremenchug Hydroelectric Power Station; Krasnoyarsk Hydroelectric Power Station; Nurek Hydroelectric Power Station; Toktogul Hydroelectric Power Station; Uch-Kurgan Hydroelectric Power Station; Vilyuyek Hydroelectric Power Station; Volga Hydroelectric Power Station (Lening); Volga Hydroelectric Power Station (22d Congress of the CPSU))

Absolute stability of the hydraulic conditions of hydroelectric power stations with equalizing reservoirs. D. A. Pogonidze. *Sob. AN Gruz. SSR* 44 no. 2:305-309 N '66.

Determination of operational modes of a series of hydroelectric power stations during above normal flow. S. V. Shakhverdian. *Elek. sta.* 33 no. 7:41-43 Mr '62.

Effect of the location of the diaphragm in the reservoir on the amplitude of water level oscillation during the drop in the load of an electric power plant. M. I. Gogoberidze. *Sob. AN Gruz. SSR* 44 no. 3:698-706 D '66.

From the report of Comrade N. S. Khrushchev to the 22d Congress of the CPSU. *Gidr. stroi.* 32 no. 11:1 N '61.

From the report of N. S. Khrushchev about the Program of the CPSU to the 22d Congress of the CPSU. *Gidr. stroi.* 32 no. 11:2 N '61.

A method of determining the economic efficiency of hydroelectric power stations. V. V. Bolotov, D. S. Shehavelov, V. P. Zakharov. *Gidr. stroi.* 32 no. 11:42-44 N '61.

Rise in level of ground water and change in its chemical composition in foundation beds of industrial enterprises. B. L. Gorlovskii, L. M. Shekhtman. *Osn., fund. i mekh. grun.* 8 no. 5:34-35 '66.

Tasks of hydroelectric power station builders in the light of the decisions of the 22d Congress of the CPSU. *Gidr. stroi.* 32 no. 11:9-14 N '61.

Use of asynchronous generators in hydroelectric power stations. V. V. Mikhailov. *Elek. sta.* 37 no. 12:38-40 D '66.

## HYDROELECTRIC POWER STATIONS—DESIGN AND CONSTRUCTION

(see also subdivision under Razdan Valley)

"Price" of time in the power industry. Z. Chukhnov. *Vop. ekon.* no. 1:29-40 Ja '67.

## HYDROFOIL BOATS

Hydrofoil cargo carriers. N. Kudrjavtsev, V. Iuslin. *Rech. transp.* 20 no. 7:11-13 Ji '61.

Seagoing passenger hydrofoil launch "Nevka." D. V. Volodgin. *Sudostroyeniye* 56 no. 12:54-55 D '66.

## HYDROFOIL BOATS—HYDRODYNAMICS

Hydrodynamics of hydrofoil boats. I. T. Egorov, I. I. Isaev. *Sudostroyeniye* 56 no. 12:9-10 D '66.

## HYDROGEN

Radiochemical study of hydrogen adsorption by ruthenium in aqueous-organic media. G. P. Khomchenko, R. B. Larin, V. G. Mostovskiy, Zh. khim. 21 no. 6:33-37 N-D '66.

Reactions of hydrogenations in the system  $H_2O + H_2SO_4 + FeSO_4$ . Part 1. Reactions with aromatic compounds. A. M. Bazhin and others. Khim. kat. 7 no. 6:999-1006 N-D '66.

## HYDROGEN BONDING

Intramolecular hydrogen bonding and super fine splitting on proton of hydroxyl group. Part 1. Dihydroxyacetone, ketones. A. E. Lutskiy, I. S. Romolov, I. A. Kugliak. Feoret. i ekspr. khim. 2 no. 5:616-623 S-O '66.

Intramolecular hydrogen bonding and super fine splitting on proton of hydroxyl group. Part 2. Polyhydroxyacetone, ketones. A. E. Lutskiy, I. S. Romolov, I. A. Kugliak. Feoret. i ekspr. khim. 2 no. 5:624-628 S-O '66.

## HYDROGEN-ION CONCENTRATION

Acidity and alkalinity of aqueous solutions under conditions of increased temperatures and pressures. B. N. Ryzhenko, N. I. Khatov. Okekhimika no. 10:869-871 '61.

Determination of isoelectric points of rare earth oxides. L. G. Maidanovskaya, I. N. Efremov. Trudy TGU 185:97-102 '65.

Effect of pH of the medium on the course of catalytic hydrogenation of  $\beta$ -nitosyrene. L. Kh. Fricidjan, L. F. Litvin, V. M. Chursina. Khim. kat. 7 no. 6:1039-1044 N-D '66.

Effect of pH on corrosion behavior of aluminum-antimony alloys. L. E. Tsygankova, V. I. Vigdorovich. Zashch. met. 3 no. 1:106-108 Ja-T '67.

Effect of the pH value on the vital activity of the acid-producing fungus *Aspergillus niger*. G. I. Zhuravskiy. Trudy VNIIL no. 17:122-124 '66.

pH of the beginning of precipitation (disolution) and its dependence on energy characteristics of ions of group II elements and 4th series of D. I. Mendeleev table. P. N. Kovalenko. Izv. vys. uch. zav. khim. i fiz. 9 no. 3:675-704 '66.

Simultaneous effect of various absorbed particles on kinetics of electrochemical zinc ion reduction. A. T. Vagaryan, V. I. Titova. Zashch. met. 3 no. 1:102-104 Ja-T '67.

## HYDROGEN PEROXIDE

Force constants of hydrogen peroxide. N. T. Storchal, V. P. Morozov. Dop. AN UkrSR no. 12:1596-1598 '66.

Hydrogen peroxide in hypofluorination reaction. L. F. German, G. G. Belen'kiy, I. L. Khumants. Dokl. AN SSSR 171 no. 6:1333-1336 D '66.

Kinetics of oxidation of iodide by hydrogen peroxide in presence of titanium (IV). V. A. Litvinenko. Ukr. khim. zhur. 32 no. 11:1669-1674 '66.

Relationship between chemiluminescent reaction and decomposition of hydrogen peroxide in the system luminol - copper (II) - hydrogen peroxide. A. K. Babko, L. I. Dubovenko. Zhur. neorg. khim. 12 no. 1:174-183 Ja '67.

## HYDROGEN PEROXIDE—THERMODYNAMICS

Calculating the thermodynamic properties of hydrogen peroxide allowing for thermal dissociation at 273.15° - 2000° temperatures and 0 - 500 bar pressures. A. L. Tsikalov, A. G. Tabachnikov. Teplofiz. vyz. temp. 4 no. 6:810-815 N-D '66.

## HYDROGEN SULFIDE

(see also subdivision under Romashkino Oil Field)  
Performance of downcomerless grid plates in the removal of hydrogen sulfide from gases by the aqueous-soluble method. N. I. Dymerskiy and others. Koks i khim. no. 7:34-37 '62.

Production of hydrogen sulfide by some microbes of the group of pathogens of natural focus diseases. L. A. Timofeeva and others. Zhur. mikrobiol., epid. i immun. 44 no. 1:107-111 Ja '67.

Removal of hydrogen sulfide from gas in the "boiling layer" of manganese silico. I. A. Ruchlinskiy, V. Chagunava. Soob. AN Gruz. SSR 26 no. 8:659-664 Je '61.

## HYDROGENASE

Role of cobalt, copper, and molybdenum in increasing the activity of hydrogenase in forage bean nodules. I. V. Peirve, B. A. Lagodin, A. D. Popov. Agrokhit-mia no. 1:94-99 Ja '67.

## HYDROGENATION

Catalytic hydrogenation of acetylenic  $\gamma$ -glycols and their derivatives. Report No. 1. Hydrogenation of  $\beta$ -cyanoethyl ethers. P. S. Bataev and others. Izv. AN SSSR, Ser. khim. no. 12:176-179 '66.

Chemical composition of 20% - 28% fraction of hydrogenation product from gas oil extract of catalytic cracking. R. A. Koniashtina, T. S. Nikiforova, N. G. Grantovskaya, Nefteper. i neftekhim. no. 8:6-8 '66.

Comparative data on the kinetics of benzene hydrogenation on Ni-Cu and Ni-Co alloys. E. I. Evzerikhin, G. D. Liubarskiy. Khim. kat. 7 no. 6:1005-1008 N-D '66.

Determination of the selectivity index in fat hydrogenation. A. L. Markham, A. L. Glushchenko, G. A. Prokhorovskaya. Mlad. zhur. prom. 11 no. 1:16-18 Ja '67.

Effect of modification on the course of hydrogenation of pseudonone in the presence of nickel catalysts. I. Kh. Fricidjan, L. L. Gvintia, N. V. Baumova. Dokl. AN SSSR 171 no. 1:883-886 D '66.

Efficient utilization of kerosene distillates produced in the thermocatalytic decomposition of petroleum products. V. S. Aheev and others. Sbor. trud. Az. NII NP no. 3:110-125 '58.

Hydrogenation catalysts having an aluminosilicate base. V. V. Lozovoy and others. Zhur. prikl. khim. 31 no. 6:1206-1208 '61.

Hydrogenation of allyl alcohol on platinum and palladium catalysts with polyacrylonitrile as a support. D. V. Sokolovskiy and others. Khim. kat. 7 no. 6:1072-1078 N-D '66.

Hydrogenation of cyclohexene and allyl alcohol on platinum-silica gels. N. M. Dmitriyenko, V. S. Boronin, O. M. Peltovskiy. Vest. Mosk. univ. 2. Khim. 21 no. 6:100-107 N-D '66.

Influence of temperature on the correlation of solvatochromic effect and rate constants of hydrogenation of some nitrobenzene derivatives. A. V. Ushakovskiy, Z. M. Kurbanov. Dokl. AN SSSR 171 no. 1:915-918 D '66.

Investigating 100-150° paraffinic-naphthenic fractions of hydrogenation product of bicyclic hydrocarbons. T. A. Bogdanova, I. V. Koleschits. Nefteper. i neftekhim. no. 12:27-30 '66.

Paraffins and olefins from oil fractions of hydrogenation products of Romashkino petroleum. K. S. Ignatovskaya and others. Nefteper. i neftekhim. no. 10:10-13 '66.

Preparation of diborane by hydrogenation of alkyl boron chlorides. A. I. Gornovoy, G. S. Solov'eva, Zhur. neorg. khim. 12 no. 1:3-7 Ja '67.

Shift of the catalytic potential as a function of reaction rate in liquid phase hydrogenation. Part 2. Synthetic ester. Radiochemical potential of a catalyst and optimum conditions for the process. V. A. Druzhin. Khim. kat. 7 no. 6:1050-1051 N-D '66.

Using industrial catalysts in hydrogenation of acetophenone. D. V. Mushenlo and others. Nefteper. i neftekhim. no. 8:35-38 '66.

## HYDROGRAPHY

(see also subdivision under Moscow Province)

The science of maritime hydrography in Russia during the period from the 19th century to the beginning of the 20th century. A. I. Alekseyev. Trudy Inst. ist. est. i tekhn. 12:99-102 '62.

HYDROGRAPHY—BIBLIOGRAPHY see Bibliography—Hydrography

## HYDROLOGY

Nature of snow deposition, runoff, and soil moisture on eroded slopes under the effect of land improvement through afforestation. L. P. Dik. Trudy Sov. sel'khoz. inst. 15 no. 3:62-66 '65.

## HYDROLOGY—PROBLEMS, EXERCISES, ETC.

Chebulaev, A. I., and K. P. Kabanov. [Hydrological calculations, collection of exercises.] Gidroligicheskie raschety, zbornik uprazhneniy. Leningrad, Gidromolekul, 1956. 295 p.

## HYDROLOGY—RESEARCH

Experimental determination of coefficient of vertical turbulent diffusion in water for settling particles. V. I. Matukhin, O. N. Prokof'ev. Sbor. trud. po glid. o. no. 6:69-77 '66.

## HYDROLYSIS

(see also subdivision under Uzbekistan)

Continuous hydrolysis of the polysaccharides of plant tissues with 48-49% hydrochloric acid. Report No. 3. Absorption of hydrochloric acid by moist wood. N. V. Chelov, A. E. Loshchuk. Izv. vys. uch. zav. i on. zhur. 9 no. 6:139-143 '66.

Continuous hydrolysis of the polysaccharides of plant tissues by 48-49% hydrochloric acid. Report No. 6. Thermal treatment of wood saturated by gaseous hydrochloric acid with simultaneous increase of the partial pressure of hydrochloric acid. N. V. Korotkov, N. V. Chelov. Sbor. trud. NIIGS 14:180-191 '65.

Developing a technology for the introduction of phosphorus into hydrolysis media by the use of phosphoric meal and apatite concentrate. I. I. Korol'kov and others. Sbor. trud. NIIGS 14:57-60 '65.

Economic efficiency of new percolation methods. A. I. Kozlov and others. Sbor. trud. NIIGS 14:42-47 '66.

Economic efficiency of substituting superphosphate by natural phosphates (apatite concentrate and phosphoric meal) in the hydrolysis industry. A. I. Kozlov, I. A. Kutruva. Sbor. trud. NIIGS 14:70-78 '66.

Hydrolysis of betaine. N. I. Pavlosluk and others. Ukr. khim. zhur. 32 no. 11:1248-1251 '66.

Hydrolysis of cornstarch by means of percolation with alternating flow. R. I. Ulanovskaya, I. I. Korol'kov. Sbor. trud. NIIGS 14:36-41 '65.

Hydrolysis of polysaccharides converted into a readily hydrolyzable state by mechanical and chemical treatment. N. V. Chelov, T. T. Gornachuk, V. I. Shukhin. Sbor. trud. NIIGS 14:166-170 '65.

Hydrolysis of reaction products of gypsum with orthophosphoric acid. V. P. Rzhikhin, A. B. Belova. Zhur. prikl. khim. 31 no. 6:1342-1347 Je '62.

Hydrolysis of steroid esters by Mycobacteria. K. A. Koshcheenko, G. K. Skolobin. Mikrobiologiya 35 no. 6:1077-1079 N-D '66.

Hydrolytic decondensation of  $\gamma$ -hydroxybutyric acid with dimethyl-, methylphenyl-, and methyl- $\gamma$ -hydroxypropyldimethylsilanes. V. A. Ponomareva, N. M. Khamutova, I. F. Manuchanova. Izv. AN SSSR, Ser. khim. no. 12:210-215 '66.

Kinetics of hydrolytic decomposition of ferrihydrite. A. A. Pendin, M. S. Zakhar'evskiy, P. K. Lavrenko, Khim. kat. 7 no. 6:1071-1077 N-D '66.

Loss of reducing substances during the purification and cooling of neutralized hydrolyzates. I. I. Korol'kov, F. F. Ignatov, I. T. Vyat'skaya. Sbor. trud. NIIGS 14:1-20 '65.

Purifying neutralized hydrolyzates of suspended substance by the method of continuous settling. I. I. Korol'kov, Z. A. Tingunova, G. D. Ponomareva. Sbor. trud. NIIGS 14:26-29 '65.

Resinous and colloidal substances of hydrolyzates. I. I. Korol'kov, Z. A. Tingunova, G. D. Ponomareva. Sbor. trud. NIIGS 14:21-27 '65.

Scientific Council of the Scientific Research Institute of the Hydrolysis and Sulfite-Distilling Industry. M. T. Kravtsov. Gidrol. i tekhn. prom. 15 no. 5:24-25 '66.

Some processes of lignin condensation in wood hydrolysis. M. I. Chudakov and others. Sbor. trud. NIIGS 14:24-25 '65.

Study of molasses obtained by enzymatic hydrolysis of starch. P. A. Sokolovskiy, M. M. Istomina, L. V. Galkina. Khim. i tekhn. prom. 11 no. 1:26-29 '66.

Studying the hydrolyzability of cellulose after its swelling in concentrated sulfuric acid. L. P. Vyat'skaya, V. I. Shukhin. Sbor. trud. NIIGS 14:152-160 '65.

Studying the problem of heavy corrosion of the equipment of the acid unit due to the use of technical sulfuric acid in hydrolysis. E. A. Adamovich, V. A. Ponomareva, M. I. Isacova. Sbor. trud. NIIGS 14:48-56 '65.

Studying the process of pectin hydrolysis and extraction from beet pulp. I. I. Shumovskiy, G. V. Buzhin, O. I. Ivanova. Trudy VNIIL no. 17:100-106 '66.

Use of the method of salt (extensive) rectification for the decomposition of hydrochloric acid in the hydrolysis of glucose production. O. V. Tyshetkaya, I. M. Gaidukov, N. V. Izhakov. Sbor. trud. NIIGS 14:216-221 '65.

## HYDROMETALLURGY

Interaction of aluminum sulfate with caustic soda solutions. M. F. Malyshev, P. V. Tashurin, G. V. Korovin. Khim. i tekhn. prom. 11 no. 3:43-51 '66.

## HYDROMETEOROLOGICAL INSTRUMENTS

Effect of inertia of device on accuracy of determining air values of measured parameter. I. M. Shadrina. Khim. i tekhn. prom. 11 no. 15:60-65 '66.

Errors in measuring hydrometeorological elements represented by random functions, survey. I. M. Shadrina. Khim. i tekhn. prom. 11 no. 15:107-110 '66.

Hydraulic and hydrodynamic dampers for automatic tide gauge with elastic sensitive elements. A. A. Gerasimov, I. D. Gusev. Trudy NIIGMP no. 15:107-110 '66.

Recording of long-period waves. A. I. Bondarenko, M. I. Skibko, A. G. Tishchenko. Trudy NIIGMP no. 15:107-110 '66.

Remote automatic wave recorder. A. I. Pashkevich. Trudy NIIGMP no. 15:79-86 '66.

Some means for diminishing energy used by elements of discrete action survey. A. I. Zintin, V. A. Titov. Trudy NIIGMP no. 15:129-137 '66.

System of telemetering resistance. V. A. Ushchuk, A. I. Zintin, G. S. Gurel'son. Trudy NIIGMP no. 15:129-137 '66.

Two-alphabet logical elements of alternating current. V. A. Titov. Trudy NIIGMP no. 15:138-140 '66.

## HYDROMETEOROLOGICAL STATIONS

Determining extreme significance of atmospheric temperature by means of automatic hydro-meteorological stations. E. N. Shadrina. Trudy GGO no. 19:109-114 '66.

Methodology for determining characterization of pressure tendency at automatic hydro-meteorological stations. E. N. Shadrina. Trudy GGO no. 19:109-114 '66.

## HYDROMETEOROLOGY

(see also subdivision under Europe, Northern)

Regionalization of world ocean for mechanized processing of hydrometeorological information. A. Shekhtman. Trudy NIIGMP no. 30:84-88 '66.

Relationship of hydrometeorological processes in northern and southern hemispheres. E. V. Solov'ev. Trudy VNIRO 60:48-58 '66.

- HYDROMICA** see subdivision under Kazakhstan, Volyn' Province
- HYDROPHIDAE** see subdivision under Indian Ocean, South China Sea
- HYDROPONICS**  
Calculations for heaters and automatic maintenance of the temperature of solutions in hydroponic greenhouses. B. Prudinskiy, V. L. Ponomarev. Tekhn. inform. po agrikul't. no. 12/10-12/10 '66.  
Phytocentram system for the raising of plants under glass. I. I. Pivako, Bliznitskiy, Tekhn. inform. po agrikul't. no. 12/10-12/10 '66.  
Studies in the field of hydroponics. G. S. Davtian, Agrikul't. no. 12/10-12/10 '67.
- HYDROQUINONE—PHYSIOLOGICAL EFFECT**  
Effect of derivatives of hydroxydecahydroquinone series on some functions of animal organism. I. I. Chelokova. Trudy Inst. fiziol. AN Kazakh. SSR 10:203-206 '66.
- HYDROQUINONE—SPECTRA**  
Interaction paramagnetic resonance spectra of oxidized 2, 6-dialkyl-substituted hydroquinones. V. D. Pokhodenko, V. A. Kuznetsov, Teoret. i eksper. khim. 2 no. 5:700-701 '66.
- HYDROTHERAPY**  
Methodology of objective recording of the kinetic function of the heart during a course of balneological effects. I. I. Chelokova. Vop. kur. i fizioter. i lech. fiz. kul't. 31 no. 6:199-202 '66.
- HYDROXIDES—THERMODYNAMICS**  
Some problems involved in the thermodynamics of gaseous hydroxide forms of oxides. B. D. Dolgin, Probl. sov. khim. konf. soed. no. 1:78-96 '66.
- HYDROXYL GROUP**  
Infrared spectroscopic study of isotope exchange with sulfuric acid of hydroxyl groups of chemically modified silica. I. I. Lygin, A. V. Kiselev, Izv. Akad. Nauk SSSR, Khim. no. 1:100-103 '66.  
New method of determining hydroxyl groups in epoxy compounds. G. A. Levkovich, I. V. Kuvshinskaya. Lakokras. mat. i khim. no. 6:51-56 '66.
- HYDROXYLAMINE**  
Catalytic oxidation of cyclohexylhydroxylamine in presence of complex compounds of divalent copper. N. I. Shitova, K. I. Melnikov, M. M. Danilova. Khim. i tekhn. 7 no. 6:985-986 '66.  
Corrosion resistance of titanium and its alloys in solution of hydroxylamine sulfate. A. T. Vasyuk, V. V. Tobolskiy, Khim. i tekhn. 7 no. 11:1251-1254 '66.  
Infrared absorption spectra of complex compounds of cobalt, nickel, and platinum with hydroxylamine. I. I. Kharitonov, G. A. Serebrennikov, I. B. Barmakovskiy, Zhur. neorg. khim. 12 no. 1:164-171 '67.
- HYDROXYMETHYL GROUP**  
Photocolorimetric determination of the methylol group content of water-soluble carbohydrate resins. E. A. Navinzhskaya, V. S. Spivakova. Lakokras. mat. i khim. no. 6:47-49 '66.
- HYDROMETRIES**  
Anisometric hyprometry. S. K. Krupenkin, Trudy GGO no. 190:58-66 '66.  
Measurement of air humidity by optical-acoustical method. V. I. Mikhalevich, Trudy GGO no. 190:58-66 '66.
- HYPERCHOLESTEREMIA**  
Effect of tolbutamide on blood cholesterol content in patients with tumor. V. M. Mikhlin and others. Vop. onk. 13 no. 1:30-31 '67.
- HYPERTENSION**  
Combined drug therapy in hypertension. A. Kh. Adyrbayev. Sbor. nauch. trud. SOGMI no. 10:172-176 '61.  
Comfort zones in generally healthy persons and patients with hypertension on the beaches of health resorts Vn. no. (Bulgaria) and Izvudlye (southern coast of the Crimea). M. Mikhailov. Vop. kur. i fizioter. i lech. fiz. kul't. 31 no. 6:546-554 '66.  
Effect of the climate of the Chukhuryan Health Resort on hypertension. S. A. Aliyev. Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 6:70-72 '62.  
Treatment of hypertension with ganglionic blocking agents. I. A. Nolenov. Trudy I.P.M.I. 37:130-138 '65.
- HYPERTHYROIDISM**  
Differential diagnosis of atypical forms of rheumatic carditis and thyrotoxicosis. E. A. Reznitskaya. Sbor. nauch. i obshch. SOGMI no. 10:57-59 '61.  
Reactions of the body to the effect of mud applications in experimental thyrotoxicosis. Report No. 1. V. S. Nevalyeva and others. Vop. kur. i fizioter. i lech. fiz. kul't. 31 no. 6:532-536 '66.
- HYPERTROPHY**  
Morphological analysis of compensatory hypertrophic kidney in some mammals. T. Raziev, Izv. Otd. biol. nauk AN Tadzh. SSR no. 3:100-109 '66.
- HYPNOTISM—THERAPEUTIC USE**  
Slobodanek, A. P. [Psychotherapy, suggestion, hypnosis] Psiholoziya, vnutrennyye, gipnoz. Izd. 2., 1. i. dop. Kiev, Zdoirov'ya, 1966 402 p. (DNL)
- HYPOCHONDRIA**  
Clinical and pathophysiological characteristics of the development of a hypochondriac personality. V. D. Zborshchuk. Izv. GIDUV no. 4:219-226 '62.  
Pentamin treatment of some hypochondriac states in nephropathia. M. S. Zolotarev. Trudy Gos. nauch.-issl. inst. psikh. 26:128-136 '61.
- HYPODERMIC INJECTIONS** see Injections, Hypodermic
- HYPOLEUCEMIA** see Leucopenia
- HYPOPHYSIOTOMY**  
Possibility of proliferation of the thyroid parenchyma after hypophysectomy. V. V. Mamina. Probl. endok. i gorm. 8 no. 6:23-27 '62.  
Reaction of the thyroid gland of hypophysectomized rats to stress. I. B. Shebel'skaya, E. B. Bagramian. Probl. endok. i gorm. 8 no. 6:27-30 '62.
- HYPOTENSIVE** see subdivision under Turkmenistan
- HYPOTHALAMUS**  
Changes in the sugar content in lymph and blood with the stimulation of the hypothalamus. V. P. Glogolev, L. I. Tomilina. Fiziol. zhur. 52 no. 11:1311-1314 '66.  
Pathomorphology of some hypothalamic nuclei in rats following thermoregulatory shifts. V. D. Zharskaya, E. E. Oksova, Arkh. anat., gist. i embriol. 51 no. 12:46-51 '66.  
Pulmonary edema in white rats and rabbits following introduction of neotilone into the hypothalamus. I. A. Lazarev and others. Biol. eksp. biol. med. 63 no. 1:22-26 '67.  
Relationship between hypothalamus-hypophysis system and sex cycle. N. Z. Malsudze. Sbor. AN Gruz. SSR 44 no. 3:791-796 '66.  
Role of posterior hypothalamus in regulation of noradrenalin in different parts of brain. A. I. A. Mogilevskiy, N. N. Leonova. Dokl. AN SSSR 172 no. 3:741-744 '67.
- HYPOTHERMIA**  
Changes of the functional state of the adrenal glands under conditions of artificial hypothermia. Z. L. Dolgova, V. A. Glimova, F. V. Astasheva. Arkh. pat. 28 no. 12:20-30 '66.  
Effect of hypothermia on some indices of the metabolism in operations with artificial blood circulation. A. V. Pogodova, I. B. Babakova, T. A. Bozsova. Grad. khim. 9 no. 1:58-62 '67.  
Surgical possibilities on the "dry" heart under conditions of moderate hypothermia. E. N. Meshalkin, V. I. Fufin. Grad. khim. 9 no. 1:17-21 '67.
- HYSTERESIS**  
Effect of heat treatment on magneto-crystallographic anisotropy and losses on rotating hysteresis in lithium pentaferrite single crystals. A. I. Dikun and others. Fiz. tverd. tela 9 no. 1:3363-3365 '66.  
Hysteresis of oscillations accompanying nonlinear ferromagnetic resonance. A. A. Tulatova, I. A. Monosov. Fiz. tverd. tela 9 no. 1:3377-3379 '66.  
Use of the plane Hatt effect in studying rotary hysteresis in ferromagnetic films. Vu-dinh Ky. Dokl. AN SSSR 167 no. 2:326-329 '66.
- HYSTERESIS LOOP**  
Origin of hysteresis loops on the I-I curve in the experiments with half-immersed electrodes. I. A. Chizmadzhev, I. I. Kharkats, Elektrokhim. 2 no. 12:1464-1467 '66.  
Trigger on switching diode and ferrite with rectangular hysteresis loop. M. F. Molekhin, I. V. Melokhina. Trudy GGO no. 189:141-152 '66.
- IABLOCHKINA, ALEXANDRA ALEKSANDROVNA, 1866-1966**  
[75 years in the theater] 75 let v teatre. Moskva, Vsesoyuz. teat. ob-vo, 1966 445 p.
- IAGUBOV, SERGEI NIKOLAEVICH, d. 1906**  
S. N. Iagubov: an obituary. Sud.-med. ekspert. 9 no. 4:61 '66.
- IAKOVLEV, N. N.**  
Franklin Roosevelt: a retrospective portrait. B. Marushkin. Nov. mir 12 no. 7:271-273 '66.
- IAREMA, IAKYM IAKYMOVYCH, 1884-1964**  
Iakym Iakymovich Iarema, 1884-1964. O. V. Khomitskiy. Inoz. filol. no. 6:170 '66.
- IBRAGIMOV, IBRAGIM IBISHEVICH, 1912-**  
Ibragim Ibishevich Ibragimov: on his 50th birthday. A. S. Dzhalilov, R. G. Memedov. Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 5:129-133 '62.
- ICE**  
Ice cutting machine. S. N. Kozlovskiy. Sbor. izob. v ryb. prom. za 1961 g. 59-60.  
Speeding up icing with aid of ice activators. V. K. Shchelovkov. Sbor. Nilsen no. 56:73-77 '66.  
Steam ice cutter. G. V. Trifanov. Sbor. izob. v ryb. prom. za 1961 g. 58.
- ICE—MANUFACTURE**  
Ice machine of continuous action. V. A. Bobkov. Sbor. izob. v ryb. prom. za 1961 g. 56-57.  
Method of producing block ice. A. K. Komov. Sbor. izob. v ryb. prom. za 1961 g. 51.  
New ice machine of the LG-100 type. G. S. Konokotin. Ryb. prom. 55:17-21 '60.
- ICE—THERMAL PROPERTIES** see subdivision under Antarctic regions
- ICE-BREAKING VESSELS**  
Determining and evaluating the structural strength of ice-breaking ships by converting from a prototype. D. E. Kheisla. Sudost. 27 no. 1:9-14 '61.  
Ice breaker and cargo ships for the Arctic. N. T. Matishov. Sudost. 27 no. 1:1-9 '61.
- ICE-CREAM FREEZERS**  
Testing the F2A-14 freezer for soft ice cream. A. Olenov, N. N. Pichakova. Khol. tekhn. 13 no. 1:28-29 '66.
- ICE FISHING**  
Device for cutting trenches in ice. A. F. Nikolaev. Sbor. izob. v ryb. prom. za 1961 g. 29-31.
- ICE ON RIVERS, LAKES, ETC.**  
(see also subdivision "Ice" under Mingecheaur Reservoir, Vainava Reservoir)  
Perennial layers of ice. A. V. Artemov, D. S. Sifonov. Priroda no. 1:123-124 '67.  
Possibilities of accumulation of winter runoff by ice layers on rivers. V. E. Sergunin. Sbor. rab. po gidrol. no. 6:127-131 '66.
- ICELAND SPAR—THERMAL PROPERTIES**  
Alterations in Iceland spar crystals. A. V. Skropyshev. Zap. LGI 13 no. 2:136-143 '62.
- ICHNEUMON FLIES** see subdivision under Turkmenistan
- ICHTHYOLOGICAL RESEARCH**  
Characteristics of changeability in altitudinal zonal and reproduction of some commercial fishes. M. A. Bugdanov. Trudy VNIRO 60:11-17 '66.
- ICHTHYOLOGY**  
Main objectives of hydrobiology and ichthyology in current five-year plan. G. V. Nikol'skiy. Gidrobiol. zhur. 2 no. 6:8-9 '66.
- ICONS** see subdivision under Buenos Aires
- IGNALINA REGION (LITHUANIA)—GUIDEBOOKS**  
Treciausiosios. K. [At the lakes of Ignalina] U Ignalinskio zono. Vilnius, Gos. izd-vo polit. i nauch. lit-ry Litovskio SSR, 1963 14 p.
- IGNATOV, PAVEL PANTELEIMONOVICH, 1885-1968**  
Pavel Panteleimonovich Ignatov, obituary. T. Tel'pis. Zhur. Mosk. Pat. no. 12:43-45 '66.
- IGNEOUS ROCKS** see Rocks, Igneous
- ILI RIVER DELTA**  
Studying the Delta using materials of spectrozonal aerial photography. A. M. Solodovnikova. Sbor. rab. po gidrol. no. 6:108-113 '66.
- ILI VALLEY—AERIAL PHOTOGRAPHY IN GEOLOGY**  
Studying the Delta using materials of spectrozonal aerial photography. A. M. Solodovnikova. Sbor. rab. po gidrol. no. 6:108-113 '66.
- ILI VALLEY—RECLAMATION OF LAND**  
Ways for intensive reclamation of the right-bank area of the lower reaches of the Ili River. Sh. M. Musin. Vest. set. i tekhn. nauk (Kazakh) 10 no. 1:12-16 '67.
- IL'IN, M., pseud.** see Marshak, M. Ia. Iakovlevich, 1895-
- IL'INSKAYA, ANNA ALEKSANDROVNA, 1900-1962**  
Anna Aleksandrovna Il'inskaya; obituary. Bum. prom. 37 no. 5:27 '62.
- ILICH-SVITYCH, VLADISLAV MARKOVICH, 1934-1966**  
In memory of V. M. Ilich-Svitych. V. A. Dybo. Sov. slav. no. 1:72-77 '67.

ILICH-SVITYCH, VLADISLAV MARKOVICH, 1934-1986  
(Continued)

Vladislav Markovich Ilich-Svitych, 1934-1986; obituary  
V. A. Dybo, A. B. Dolgopriiskiy Izv. V N SSSR Ser. lit. i  
iz., 25 no. 6 563-564 N-D '86

#### ILLUSTRATED BOOKS, CHILDREN'S

Illustration of children's book O. A. Kaniin, Krasn.  
Isk. i um. 4 196-208 '61

#### ILLUSTRATION OF BOOKS

Artistic books, K. Burov Knizh. tolg. 17 no. 11-31-  
37 N '66.

Favorskii, V. A. [About artists, creative work, and  
books] O khudozhnikе, o tvorchestve, o knige. [Mos-  
kva] Molodaja gvardiya, 1966, 123 p., illus.

New creations of Mai Miturich E. Gankina, Iskustvo  
29 no. 12 30-35 '66

#### ILLUSTRATORS, GEORGIAN

Serge Kobuladze L. F. Ilichov V. Miturich 8 no. 6  
48 de '66.

#### IL'MEN MOUNTAINS—MINERALS

Isolation time of niobium and zirconium minerals and  
rare earths in the granitic pegmatite of the Blyumskoy  
mine A. G. Zhabin Trudy INIGRE no. 4 71-84 '60

#### IL'MEN MOUNTAINS—PYROCHLORE

Chemical composition of pyrochlore in the Il'men  
Mountains B. A. Mikalochkin, K. A. Gontseva,  
Trudy Min. muz. no. 12 226-229 '61

#### IL'MEN MOUNTAINS—RARE EARTHS

Isolation time of niobium and zirconium minerals and  
rare earths in the granitic pegmatite of the Blyumskoy  
mine A. G. Zhabin Trudy INIGRE no. 4 71-84 '60

#### ILMENITE

Course of alteration of ilmenites in supergenic conditions.  
E. A. Rakekhin Min. shor. 20 no. 1 53-57 '66

Decomposition of ilmenite concentrate by sulfuric acid.  
A. M. Bobrova, E. V. Balukova, V. B. Savileva Lakok-  
las. mat. 1 19h prim. no. 6 11-14 '66

ILVAIE see subdivision under Tynnyauz region  
(Kubardino-Balkar A. S. S. R.)

#### IMAGE INTENSIFIERS

Calculating the image illuminance. Part 1: General  
techniques. V. E. Medvedev, G. G. Paritskaya, Opt. i  
spektr., 21 no. 5 630-642 N '66

#### IMAN (MARITIME TERRITORY)—BUILDING— DETAILS

A new finishing material I. Gordinenko Na stroit. Ros.  
4 no. 3 10-11 Mr '63

#### IMINES

Synthesis and structure of some arsinimines. B. D.  
Chernokalkin and others Izv. vyz. uchob. zav. khim. i  
tekh. 9 no. 5 766-774 '60

#### IMITATION

Defining the category of imitation in social psychology.  
A. M. Agal'tsev Vest. LGU 31 no. 23-193-191 '66.

#### IMMORAL LITERATURE see Literature, Immoral

#### IMMUNITY

Immunity in chickens with Rous sarcoma. A. I. Fedorov.  
Vop. onk. 13 no. 1 65-70 '67.

Immunological disorders caused by radiation in the light  
of the new theories of immunity. V. L. Troitskin, Usp.  
sovr. biol. 52 no. 1 53-64 Ji-Ag '61

Medicinal stimulation against the background of multiple  
immunization in radiation lesions A. D. Ektushenko.  
Med. rad. 11 no. 12 62-63 D '66.

Research on immunity in cutaneous leishmaniasis. Re-  
port. No. 2: Local allergic reactions and the survival of  
Leishmania following administration of Leishmania  
tropica major to immune persons. O. I. Kellina. Med.  
paraz. i paraz. bol. 35 no. 6 679-685 N-D '66.

Study of early stages of experimental allergic polyneuritis.  
Pathomorphological and immunological characteristics.  
O. A. Karasik, V. I. Mel'nikova. Biol. eksp. biol. i med.  
63 no. 1 37-40 Ja '67.

#### IMMUNOLOGICAL RESEARCH

Reactivity and immunological effectiveness of purified  
Vi-antigen of Salmonella typhi following repeated  
administration to children 3-7 years of age. Report  
No. 2. N. A. Chernysheva, Zhur. mikrobiol., epid. i  
immun. 44 no. 1 49-51 Ja '67.

Some characteristics of immunogenesis in monkeys. G. A.  
Annenkov, S. M. Pekerman, Zhur. mikrobiol., epid.  
i immun. 44 no. 1 42-46 Ja '67.

#### IMMUNOPATHOLOGY

Antithyroid antibodies in animals immunized with  
heterogenic sera. L. S. Lopyovskaya. Biol. eksp. biol. i  
med. 63 no. 1 63-67 Ja '67.

Autosensitizing effect of preventive vaccinations. N. N.  
Klomparskaya, Zhur. mikrobiol., epid. i immun. 44  
no. 1 117-122 Ja '67.

#### IMPACT

Impingement of a cone against a thin elastic membrane  
S. S. Grigorian, D. M. Grigorian Prikl. mat. i mekh.  
30 no. 6 1035-1041 N-D '66

Problem involving the passage of a longitudinal wave  
through a pulley I. D. Pichunov Izv. AN Azerb.  
SSR Ser. fiz.-tekhn. i mat. nauk no. 4 37-42 '66

Transverse impact by a blunt body against a flexible  
string with friction. A. A. Rikhs. Vest. Moskv. un.  
Ser. fiz. i mat., mekh. 21 no. 6 71-79 N-D '66.

#### IMPELLERS

Work hardening of the grooves of turbine rotors. B. I.  
Aleksandrov. Energomashtroenie 6 no. 8 32-31  
S '60.

#### IMPERIALISM

An interpretation of the concept of "military-feudal im-  
perialism" M. Watanabe Vop. ist. 12 no. 1 186-190  
Ja '67

Lenin, V. I. [Imperialism as the highest stage of capi-  
talism, a popular sketch] Imperializm, kak vysshaya  
stadiya kapitalizma, populiarnyi ocherk. Moskva,  
Politizdat [1967] 136 p.

#### INCENTIVES IN AGRICULTURE

Basic means for stimulating production. F. M. Gliman.  
Izv. AN Mold. SSR no. 3 91-91 '66.

#### INCENTIVES IN INDUSTRY

Awarding bonuses for machinery workers for  
improving production quality. B. V. Kapitonov, V. P.  
Dorodova Stroi. i kach. 30 no. 11 71-73 N '66

Correlation of material and moral incentives to work  
in the present-day phase of the building of communism.  
B. A. Shuvalov, A. E. Krukhmalov, Vest. Moskv. un. Ser.  
8 140-21 no. 6 14-22 N-D '66

First results of operations based on a new planning system  
and economic incentives. M. I. Shchadov, Ugol' 12  
no. 1 46-52 Ja '67.

Incentives to labor productivity and an individual approach  
to each worker. N. S. Novoselov, Ucheb. zap. Svi. gor.  
ped. inst. no. 35 131-151 '66

Kansik, J., and V. Palm. [On the planned guidance of  
socialist economy and the system of economic levers]  
O planovom rukovodstve sotsialisticheskoi ekonomiki i  
sisteme ekonomicheskikh ryuchagov Tartu, Tartuski  
gos. univ., 1964, 24 p. (Material dlia obshchedenia)

Material and moral incentives to work under socialism.  
I. Oblomskaia, V. Radaev Komm. Vooruzh. Sil 47  
no. 1 19-17 Ja '67

[Plan, business accounting, incentives] Plan, khozias-  
chet, stimuly. Moskva, Ekonomika, 1966 350 p

Quality of work and the structure of wages. E. A. Iuta-  
phina Vest. AN BSSR. Ser. human. na. no. 1 37-49  
'66.

Rogachev, S. V. [Plan and incentives] Plan i stimuly.  
Moskva, Znaniye, 1967, 30 p. (Novoe v zhizni, nauke,  
tekhnike. V Seriya Selskoe khoz. i stroitvo, 3)

#### INCLINOMETER

New design dip needle. A. G. Kalinina. Razved. i okh.  
nedr. 26 no. 3 53-54 Mi '60.

#### INCOME

Dynamics of the national income of the U. S. S. R. and its  
basic components. A. B. L. Vainshtein Ekon. i stat.  
metod. 3 no. 1 15-28 Ja-P '67.

#### INCOME ACCOUNTING

[National accounts and the statistics of national wealth  
and national income, studies on balance-sheet statistics]  
Statistika narodnogo bogatstva, narodnogo dokhoda i na-  
tional'nykh echelei; ocherki po balansovoi statistike. Mo-  
skva, Nauka, 1967 278 p.

#### INCOMPATIBLES (PHARMACY)

Incompatibility of adrenaline and protargol in solutions.  
V. I. Horodyska, K. I. Rubcynska. Farmatsy. zhur.  
18 no. 3 55-56 '63.

#### INCUNABULA see subdivision under Saratov

#### INDANDIONE

2-Azido-2-substituted 1,3-indandiones. E. J. Gudriniceo,  
N. R. Brunele, A. V. Ievins Dokl. V N SSSR 171 no. 4  
869-871 D '66.

#### INDANONE

Reduction of 6-methoxy-1-indanone by alkali metals in  
liquid ammonia. K. K. Pivinskii, I. V. Tolgov. Izv.  
AN SSSR, Ser. khim. no. 1 122-126 Ja '67

#### INDENE

Voltammetric characteristics of thin film systems of  
indene compounds. A. K. Galis, E. A. Shina, I. A. F.  
Freimanis. Elektrokhemija 2 no. 12 1420-1425 D '66.

#### INDENODIENE

Synthesis of disulfamide derivatives of 5, 5, 10, 10-  
tetramethyl-1,4,8,10-tetrahydronaphthalene (2,1-a) indene-  
6, G. Samsonia, N. K. Iremadze, R. M. Lagidze, Saob.  
AN Gruz. SSR 44 no. 2 305-310 N '66.

#### INDIA—CULTURE

Akademiya nauk SSSR, Institut narodov Azii. [Culture of  
modern India] Kul'tura sovremennoi Indii. Moskva,  
Nauka, 1966, 213 p.

#### INDIA—ELECTIONS

The reactionary bloc of India. III Gotlobet, III Shtytsen.  
Nov. vrem. 25 no. 7 15-17 F '67

The situation in the ruling party of India A. Begunov  
Nov. vrem. 25 no. 5 7-7 Ja '67

#### INDIA—IRRIGATION

Irrigation in India I. D. Pavlenko, V. V. Postovskii.  
Gid. i mel. 19 no. 1 101-110 Ja '67.

#### INDIA—POLITICS AND GOVERNMENT

The governmental system and political parties of India.  
N. Andreev, M. Zhdanov, zhizn. 14 no. 2 151-151 '67.

The Indian elections N. Pastukhov. Nov. vrem. 25  
no. 10 19-20 Mi '67.

The reactionary bloc of India. III Gotlobet, III Shtytsen.  
Nov. vrem. 25 no. 7 15-17 F '67

The situation in the ruling party of India A. Begunov  
Nov. vrem. 25 no. 5 5-7 Ja '67.

Struggle for the future in India. N. Marov. Az. i Afr. zap. 10  
no. 1 54-55 Ju '67

#### INDIA—POSTAGE STAMPS

In the name of life. M. Shchemp'el. Az. i Afr. zap. 10  
no. 1 64 Ja '67.

#### INDIA—SNAKES

Submitting to cold-blooded monsters. V. Turkin Az. i  
Afr. zap. 10 no. 1 48-48 Ja '67.

#### INDIAN OCEAN—FISHES

Dependence of distribution of fishes on allocation of  
producing regions of plankton in Indian Ocean. V. G.  
Bogdanov, T. S. Rana. Okeanologia 6 no. 6 105-105  
1958 '66.

#### INDIAN OCEAN—HYDROPHIDAE

Distribution of sea snakes in South China Sea and eastern  
Indian Ocean. V. P. Shumov. Zool. zhur. 15 no. 12;  
1892-1896 '66.

#### INDIAN OCEAN—PLANKTON

Dependence of distribution of fishes on allocation of  
producing regions of plankton in Indian Ocean. V. G.  
Bogdanov, T. S. Rana. Okeanologia 6 no. 6 105-105  
1958 '66

#### INDIAN VISITORS see Visitors, Indian

#### INDICATOR PLANTS see Plant indicators

#### INDICTMENTS

Khar'kovskii kriminologicheskii institut. Kafedra ugolovno-  
pravoi protsessii. [Indictment in Soviet criminal  
procedure, abstracts of a lecture course] Predmet  
sudu v sovetskoi ugolovnoi protsessii, konpekt  
lektsii. Khar'kov, 1965. 34 p.  
(CSI-II)

#### INDIUM

Effect of impurity on topology of Fermi surface of indium.  
V. I. Mitin, V. I. A. Volynskii, Fiz. v red. Zhur. eks-  
per. i teoret. fiz. 4 no. 9 309-377 N '66.

Geochemical association of indium with silver in silver-  
silver-lead deposits. S. T. Badalov. Geokhimiya 1 no. 10  
907-910 '61

Separation of small amounts of In and Ga by partition  
chromatography in a column with fluoroplastic. T. A.  
Golubova, I. P. Alimarin, A. S. Litvincheva. Vest.  
Moskv. un. Ser. 2 Khim. 21 no. 6 59-63 N-D '66.

#### INDIUM ANTIMONIDE CRYSTALS

Nernst effect in n-InSb in quantized magnetic field. M. I.  
Dresler and others. Fiz. v red. Zhur. eksper. i teoret.  
fiz. 4 no. 9 348-352 N '66.

#### INDIUM COMPOUNDS

Anion exchange of chloride complexes of gallium and  
indium in presence of hydrochloric acid and organic  
solvents. A. N. Gorokhova, I. P. Litvincheva, I. P.  
Alimarin. Vest. Moskv. un. Ser. 2 Khim. 21 no. 6 53-  
71 N-D '66.

#### INDIUM ELECTRODES see Electrodes, Indium

#### INDIUM OXIDES

Electron scattering mechanism in In<sub>2</sub>O<sub>3</sub> films. V. I.  
Fistul', V. M. Vainshtein. Fiz. tver. tela 8 no. 11 3447-  
3448 N '66.

#### INDIUM PHOSPHIDES—PHOTOELECTRIC PROPERTIES

Photoelectric transformer of solar energy from InP.  
V. V. Galvanov, R. M. Kuchikhov, D. N. Nasledov. Fiz.  
tver. tela 8 no. 11 3403-3403 N '66.

#### INDIUM PHOSPHIDES—SPECTRA

Spontaneous radiative recombination in InP p-n-junction  
in case of weak currents. P. G. Eliseev and others.  
Fiz. tver. tela 8 no. 11 3383-3386 N '66.

## INDIUM SULFIDE CRYSTALS—PHOTOELECTRIC PROPERTIES

Low-temperature photochemical reactions in  $\text{In}_2\text{S}_3$  single crystals. N. I. Kousnitskaya, N. N. Lebedeva, M. K. Sheinkman. *Pl. i tekh.* 8 no. 11:3196-3209 N '66.

## INDOLACETIC ACID

Effect of heteroauxin on organic acid content in sunflower. A. A. Zemliankina, V. I. Zviagintsev. *Dokl. AN SSSR* 167 no. 2:468-470 M '66.

## INDOLE

Effect of eleutherococcus on the leukemogenic action of indole. A. N. Slukov. *Vop. onk.* 13 no. 1:84-95 '67.

Extraction of indole from heavy pyridine bases. B. F. Poyan. *O. M. Pribluch. Kola. khim.* no. 7:46-47 '62.

## INDOLE—SPECTRA

Low-temperature luminescence spectra of indole. G. S. Kembovskii, V. P. Bobovich, S. V. Kenec, Zhur. *khim. spekt.* 5 no. 5:695-698 N '66.

## INDONESIA—ECONOMIC CONDITIONS

The hour of tribulations. V. Ivanov. *Mezhdunar. zhizn'* 14 no. 2:146-147 '67.

The situation in Indonesia. S. Savchenko, B. Smitnov. *Nov. vsem.* 25 no. 6:8-10 F '67.

## INDONESIA—ORNIPTERA

Ornithoptera of Komodo and adjacent islands of Indonesia. G. I. A. Bici-Bienko. *Zool. zhur.* 45 no. 12:1770-1795 '66.

## INDONESIA—POLITICS AND GOVERNMENT

The situation in Indonesia. S. Savchenko, B. Smitnov. *Nov. vsem.* 25 no. 6:8-10 F '67.

The "Sabanao problem" in Indonesia. I. Antonov. *Nov. vsem.* 25 no. 10:13-14 M '67.

## INDONESIAN STUDIES

Problems of Indonesia's history discussed in present-day bourgeois historiography. V. A. Tulin. *Vop. isl.* 42 no. 1:150-165 Ja '67.

## INDOPHENOL

Influence of substituents in the reaction of indophenol with substituted anilines. V. D. Pokhodenko, V. A. Bidiyala. *Teor. i ekspr. khim.* 2 no. 5:691-693 S-C '66.

## INDUCTION ELECTRIC MOTORS see Electric motors, Induction

## INDUCTION HEATING

High-frequency equipment in mining. P. I. Arsh. *Gor. elektromekh. i avtom.* no. 1:39-51 '65.

Use of high-frequency heating in the molding of articles from polyethylene foam. T. A. Sheina. *Plast. massy* no. 1:35-46 '67.

Using induction heating for metalworking by pressure. G. P. Kagan. *Tekhn. i org. proizv.* no. 6:46 N-D '65.

## INDUSTRIAL ACCIDENTS

Industrial traumatism and organization of traumatological service in lumber industry. L. I. Ponomarev. *Sov. med.* 29 no. 11:128-131 N '66.

New developments in investigating and registering accidents. B. Vinnogradov, V. Krtvorotov. *Neftekhim. i no.* 9:23 S '66.

## INDUSTRIAL ARTS

Ties between the Moscow Higher School of Industrial Arts and Industry. A. E. Kozlovich. *Trudy MVKHPU* no. 2: 25-31 '62.

## INDUSTRIAL ARTS—STUDY AND TEACHING

From the experiences of the Faculty of Industrial Arts. A. V. I. I. *Trudy MVKHPU* no. 2:42-48 '62.

## INDUSTRIAL BUILDINGS

Choosing the structural layout of the roof of wide-span buildings made of precast reinforced concrete. N. F. Dembovskii. *Prom. stroi.* 39 no. 12:36-41 '61.

Concerning the article by E. G. Raits and Sh. I. U. Tsitsilin. *Prom. stroi.* 39 no. 12:35-37 '61.

Estimated outdoor temperatures. E. S. Rubinshtein, M. M. Shatukii. *Prom. stroi.* 39 no. 12:55-59 '61.

## INDUSTRIAL BUILDINGS—BIBLIOGRAPHY see Bibliography—Industrial buildings

## INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION (see also subdivision under Donetsk; Moscow; Yaroslavl)

Egnus, M. A., and Sh. L. Machabelli, eds. [Erecting single-story industrial buildings of standardized dimensional designs, a practical manual] *Vozvedenie odnoetazhnykh promyshlennykh zdani i ulitsirovannykh gabsirnykh skhem; prakticheskoe posobie.* Moskva, Stroizdat, 1966. 195 p.

Folov, R. I. [Planning the erection of plant buildings] *Proektirovaniye vozvedeniya korpusov-zavodov.* Khar'kov, Izd-vo Khar'kovskogo gos. univ., 1966. 129 p.

Industrial complex for enterprise building precision machinery. I. Gokhar. *Izharmandarin.* *Arkhiv SSSR* no. 1:1-32 '67.

Standardized architectural appearance of industrial enterprises. B. Orlovskii. *Nachin. Ros.* 4 no. 3:19-20 M '63.

## INDUSTRIAL CAPACITY see subdivision under Armenia; White Russia

## INDUSTRIAL DESIGN see Design, Industrial

## INDUSTRIAL DIAMONDS see Diamonds, Industrial

## INDUSTRIAL EFFICIENCY see Efficiency, Industrial

## INDUSTRIAL ELECTRIC TRUCKS

Operating battery loaders and electric trucks. I. U. V. Bulankin. *Biulet. tekhn. inform. Gos. nauch. tsentr. inst. nauch. i tekhn. inform.* 19 no. 12:56-57 D '66.

## INDUSTRIAL ELECTROCHEMISTRY see Electrochemistry, Industrial

## INDUSTRIAL EQUIPMENT

Aspects of competitiveness. I. Gol'dina. *Vnesh. tovg.* 16 no. 11:28-30 '66.

But the unused material resources in business circulation. *Mat. tekhn. snobzh.* 1 no. 4:1-6 O '65.

## INDUSTRIAL EQUIPMENT—COSTS

Evaluating the cost of new equipment by parts and units. S. P. Sudarkina. *Tekhn. i org. proizv.* no. 6:1-7 N-D '66.

## INDUSTRIAL EQUIPMENT—MAINTENANCE AND REPAIR

Profit is in the first place. V. Ustashev, P. Simakov, A. Matveyev. *Nar. khoz. Kazakh.* 24 no. 11:18-22 N '66.

Some trends in the specialization of repairing. I. U. A. Bannashev. *Vest. mashinosti.* 47 no. 18:83 Ja '67.

Standard is a base for proper operation and repair of equipment. V. G. Chirnov. *Stand. i kach.* 30 no. 11:18-21 N '66.

## INDUSTRIAL EQUIPMENT—STANDARDS

Every technological operation should have standard equipment. A. G. Zinichikov. *Stand. i kach.* 30 no. 9:11-13 S '66.

Unification of organizational technical equipment. V. V. Kuz'min. *Stand. i kach.* 30 no. 9:61-61 S '66.

## INDUSTRIAL EQUIPMENT—TECHNOLOGICAL INNOVATIONS

(see also subdivision under White Russia)

At the exhibit stands. I. B. Sinaph. *Stand. i kach.* 30 no. 9:34-39 S '66.

Exhibit of advanced equipment. G. M. Matveyev. *Stand. i kach.* 30 no. 9:12-14 S '66.

## INDUSTRIAL HYGIENE

Linin, L. V., ed. [Collection of the most important materials on problems of industrial hygiene and sanitation] *Shornik vazhnishikh ofitsial'nykh materialov po voprosam gigeny truda i promyshlennoi sanitarii.* Moskva, Meditsina.

No. 4. Klimova, T. Kh., D. N. Loran'skii, and Z. V. Ankovskaya, comp. 1966. 311 p.

Jones, H. [Occupational hygiene of women workers] *Matsioos kusehugien.* Tallinn, Vohavil'ik Sanitar'ia i duse Maja, 1965. 29 p. [In Estonian]

## INDUSTRIAL LAWS AND LEGISLATION

The director and the enterprise's rights for establishing wages. I. Arkhipin. *Sots. trud.* 12 no. 1:63-55 Ja '67.

An international conference on the role of law in the administration of the national economy. E. V. Anisimov, O. N. Sndikov. *Sov. gos. i pravo* no. 1:41-142 Ja '67.

## INDUSTRIAL MANAGEMENT

(see also subdivision under Alavord; Armenia; Armenia, Germany, East; Irkutsk; Kustanay, Latvia; Minsk Province; Moscow; Orel; Riga; Rybnik; Sibolia, Eastern; Sverdlovsk; Uzbekistan; White Russia; Yugoslavia)

Akademiya nauk SSSR, Institut gosudarstva i prava. [Legal problems in the theory of administration] *Pravoye po oblyeni nauki upravleniya.* Moskva, Iurid. lit-ra, 1966. 223 p.

The art of business correspondence and scientific labor organization. A. Pol'ner. *Sots. trud.* 12 no. 1:85-90 Ja '67.

An article by a worker is being discussed. *Part. zhizn'* no. 3:61 F '67.

Automation of accounting for the movement of auxiliary materials in the Tiflis Champagne Factory. G. I. Kasar'ae. *Trudy Vych. tsentra AN Gruz. SSR* 7:2 62-103 '66.

Calculating norms for economic incentives. N. Khurlev. *Plan. khoz.* no. 2:54-60 F '67.

Cherkasov, G. N. [Scientific labor organization; objectives, contents and methods] *Nauchnaia organizatsiya truda; tseli, soderzhanie, metody.* [Moskva] Profizdat, 1967. 117 p.

Conference on the scientific organization of labor. *Prom. Arm.* 9 no. 11:77 '65.

Current problems of the economic reform. N. Gurov. *Fin. SSSR* 11 no. 1:31-39 Ja '67.

Drobizhev, V. Z. [Main headquarters of socialist industry, essays on the history of the All-Russian Council of National Economy, 1917-1932] *Glavnyi shtab sotsialisticheskoi promyshlennosti, ocherk istorii VSNKh. 1917-1932 gg.* Moskva, Mysl', 1966. 283 p.

Economic efficiency of the replacement of cast billets by rolled billets. I. V. Volkov. *Tekhn. i org. proizv.* no. 6:11-17 N-D '66.

Economic reform and current problems of the course on the "Economic analysis of the operations of industrial enterprises." I. Proskurn. *Bukh. uch. i no.* 12:48-51 D '66.

Economic reform and planning for commodity production. R. Lokshin. *Sov. tovg.* 40 no. 12:8-13 D '66.

Economic reform in industrial branches and material incentives. S. Shkurko. *Sots. trud.* 12 no. 2:18-30 F '67.

For workers of enterprises on practice in changing over to the new system of planning and economic stimulation. *Sots. trud.* 12 no. 1:64-67 Ja '67.

For workers of enterprises on practice in changing over to the new system of planning and economic stimulation. *Sots. trud.* 12 no. 2:49-55 F '67.

Give daily attention to scientific labor organization. K. N. P. *Sots. trud.* 12 no. 1:9-19 Ja '67.

Gordeleuk, A. N. [The work of party organizations in the further development of the creative initiative and activity of the working class in industrial management] *Deiatel'nost' partiinykh organizatsii po dal'nishemu razvitiyu tvorcheskoi initsiativy i aktivnosti rabochego klassa v upravlenii proizvodstvom.* Petropavlovsk-Kamchatskii Dal'n'evostochnoe knizhnoe izd-vo, 1966. 62 p. (V pomoshch' propagandistu) (CS-1)

How to evaluate the level of labor organization. R. Potukhov. *Sots. trud.* 12 no. 1:17-23 Ja '67.

Improving the efficiency of social production is the main thing. K. Plotnikov. *Vop. ekon.* no. 1:52-53 Ja '67.

Improving the labor process in the employee's working area. A. Pavlenko, V. Levitan. *Sots. trud.* 12 no. 1:68-73 Ja '67.

[Labor and wages at an enterprise, a reference manual] *Trud i zarabotnaya plata na predpriyatii, spravocnoe posobie.* Moskva, Ekonomika, 1967. 397 p.

Methodological instructions on transferring enterprises, combines, and branches of industry to the new system of planning and economic stimulation. *Fin. SSSR* 41 no. 1:71-96 Ja '67.

Mitel'man, B. E. [The chief economist of a plant] *Glavnyi ekonomist zavoda.* Moskva, Ekonomika, 1966. 54 p. (Biblioteka khoziaistvennogo rukovodstva)

New conditions and new demands. I. Olov. *Sov. prof. souzy* 23 no. 1:6-8 Ja '67.

Personnel work under the new conditions. I. A. Soldatenkov. *Fin. SSSR* 40 no. 12:62-66 D '66.

[Plan, business accounting, incentives] *Plan, khoziaschei, stimuly.* Moskva, Ekonomika, 1966. 356 p.

Plan should be uniform. *Sots. trud.* 12 no. 2:56-62 F '67.

Political lectures of industrial plants. R. Strunina. *Agrator* 34 no. 3:31-33 F '67.

Price and its role in the system of the economic methods of management. Sh. Turetskii. *Fin. SSSR* 40 no. 12:28-10 D '66.

The reform in action. I. Babaryka, I. Gusev. *Part. zhizn'* no. 2:24-28 Ja '67.

Rogachev, S. V. [Plan and incentives] *Plan i stimuly.* Moskva, Znaniye, 1967. 30 p. (Novoe v zhizni, nauche, tekhnike. V Serii Sel'skoe khoziaistvo, 3)

Self financing and quality. N. E. Lysov. *Prom. Bcl.* 10 no. 2:13-14 F '67.

Shkurba, V. V., and others. [Problems of day-to-day production planning and methods for solving them] *Zadachi kalendarnogo planirovaniya i metody ik resheniya.* Klov, Nauchova dumka, 1966. 155 p.

Simplify and reduce costs of the administrative apparatus, survey of articles and correspondence received by the editor. *Fin. SSSR* 41 no. 1:57-59 Ja '67.

## INDUSTRIAL MANAGEMENT—CONGRESSES see subdivision under Lugansk Province; Sverdlovsk; Ural Mountain region

## INDUSTRIAL MANAGEMENT—HANDBOOKS, MANUALS, ETC.

[The manager's calendar, 1967. The 50th anniversary of the Great October Socialist Revolution] *Kalendar' khoziaistvennika, 1967. Platiatsiaty god Velikoi Oktabrskoi sotsialisticheskoi revoliutsii.* [Moskva] Ekonomika [1966] 1 v.

## INDUSTRIAL MANAGEMENT—MECHANIZATION

Moskovskii institut narodnogo khoziaistva. *Tsentral'naya nauchno-issledovatel'skaya laboratoriya ekonomiki i organizatsii proizvodstva.* [Problems of the economics and organization of industrial production] *Voprosy ekonomiki i organizatsii promyshlennogo proizvodstva.* Pod red. S. E. Kamenitsera. Moskva, Ekonomika, 1967. 222 p.



## INDUSTRIAL MANAGEMENT—STUDY AND TEACHING

Studying the "Principles of industrial operations" in secondary schools. N. P. Bulatov. *Shkola i promisl.* 10 no. 10-11 O '66.

**INDUSTRIAL ORGANIZATION** see subdivision under *Tsinopol' Province*

## INDUSTRIAL PLANTS

"Instructions for laying out the general plans of industrial enterprises." V. D. Neesov. *Prom. stroi.* 34 no. 12-56-61 '61.

## INDUSTRIAL PLANTS—DESIGN AND CONSTRUCTION

Eliminate deficiencies in supplying complete sets of equipment to projects in their final stages of construction. S. Sokolov. *Mat.-tekhn. snabzhenie* 1 no. 5-7-62 O '66.

Quality is the most important index. A. Shishov. *Ekon. stroi.* 9 no. 146-48 Ja '67.

## INDUSTRIAL PROCUREMENT

(see also subdivision under *Kazakhstan, Lithuania, Moscow*)

Eliminate deficiencies in supplying complete sets of equipment to projects in their final stages of construction. S. Sokolov. *Mat.-tekhn. snabzhenie* 1 no. 4-57-62 O '66.

Expand the warehouse supply of metal. I. Potapov. *Mat.-tekhn. snabzhenie* 1 no. 4-71-76 O '66.

In the Ministry of the Radio Industry. G. Vasil'chuk. *Mat.-tekhn. snabzhenie* 1 no. 4-92 O '66.

Maintain discipline in deliveries. N. Lukanenko. *Mat.-tekhn. snabzhenie* 1 no. 4-77 O '66.

Organization of the supply and sale of materials and equipment. N. Maro, N. Butskhin. *Mat.-tekhn. snabzhenie* 1 no. 1-80-86 O '66.

Organization of the supply of chemical and rubber goods in Poland. I. Korobkov. *Mat.-tekhn. snabzhenie* 1 no. 1-87-91 O '66.

Participation in payments for direct deliveries. A. Nikiforov. *Mat.-tekhn. snabzhenie* 1 no. 1-86-67 O '66.

Put the supply of materials and equipment on a sound scientific basis. I. Pechenko. *Mat.-tekhn. snabzhenie* 1 no. 1-7-19 O '66.

Put the unused material resources in business circulation. *Mat.-tekhn. snabzhenie* 1 no. 1-1-6 O '66.

Sale of goods at the fairs. E. Sukharova. *Mat.-tekhn. snabzhenie* 1 no. 1-53-56 O '66.

The service industry and the supply of materials and equipment. F. Usachev. *Mat.-tekhn. snabzhenie* 1 no. 1-32-34 O '66.

What hinders procurement service and the making of complete sets of supplies needed by construction. I. Dovgusha. *Ekon. stroi.* 9 no. 1-53-54 Ja '67.

## INDUSTRIAL RELATIONS

Big power. P. Pytaeva. *Part. zhurn.* 30-11-12 I '67.

## INDUSTRIAL RESEARCH

 see *Research, Industrial*

## INDUSTRIAL SAFETY

(see also subdivision under *Ukraine*)

Problems which must be solved. Bezop. truda v prom. 11 no. 1-4 Ja '67.

**Risland, V. D.** [Protection of labor, general principles]. *Okhrana truda, obshchie osnovy.* Tartu, Taituskil gos. univ., 1965. 67 p. (CS-II)

## INDUSTRIAL SAFETY—LAW AND LEGISLATION

**Lapal, A. P., and A. K. Oboron'ko.** [Statute on the industrial safety commission of the factory and plant local trade-union committee; practical commentary]. *Polozhenie o komissii okhrany truda FZMK, prakticheski kommentarii.* [Moskva] Profizdat, 1967. 143 p.

## INDUSTRIAL SOCIOLOGY

The change of employment and its role in the all-around development of the employees of industrial enterprises. M. V. Ishimov. *Uch. zap. Sverdlovsk. gos. ped. inst.* no. 35-18-37 '66.

## INDUSTRIAL STATISTICS

**Ezhov, A. I.** [Industrial statistics]. *Statistika promyshlennosti.* Izd. 4, perer. i dop. Moskva, Statistika, 1968. 408 p.

## INDUSTRIAL TELEVISION

Calculating the sensitivity of an introscope with a super-or-thicon-type transmitting television tube. V. I. Gorbunov, A. P. Shipagin. *Dzefektskopiya* 2 no. 6-59-64 '66.

Equipment for visually examining and photographing series of a rock massif. V. V. Zhukov. *Ugol'* 37 no. 12-17-18 D '62.

## INDUSTRIAL TOXICOLOGY

Industrial toxicology is the basis of labor hygiene and safety in chemical plants. B. B. Shuguev. *Bezop. truda v prom.* 11 no. 1-48-51 Ja '67.

## INDUSTRIAL WASTES

Complex method of treating pyritic residues. I. I. Zaberezhnyi, I. M. Rafalovich, E. G. Fominykh. *Tsvet. met.* 33 no. 3-28-37 Mr '60.

Using waste products in the production of articles from phenoplasts and annoplasts. R. M. Nudrin and others. *Bukhtekhn. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 12-10-11 D '66.

## INDUSTRIES, LOCATION OF

(see also subdivision under *Estonia, France*)

Determining economic efficiency of specialization of plants producing structural elements. B. I. Belfaev. *Prom. stroi.* 44 no. 12-5-6 '66.

Optimal distribution systems. B. I. Korobnikov, V. I. Rybnitskiy. *Prom. i mat. metod.* 3 no. 1-66-64 Ja '67.

**Pchelintsev, O. S.** [Economic basis of the distribution of industry, methods used in capitalist countries]. *Ekonomicheskoe osnovaniye razmeshcheniya proizvodstva, metody, primeneniye v kapitalisticheskikh stranakh.* Moskva, Nauka, 1966. 262 p.

## INDUSTRY—ABSTRACTS

[Economics of Industry] Ref. sbor. Ekon. prom., no. 2 F '67.

## INEQUALITIES (MATHEMATICS)

Algebraic theory of linear inequalities. S. N. Chernikov. *Ukr. mat. zhurn.* 14 no. 1-36-90 '67.

Some inequalities for algebraic polynomials and rational functions. D. I. Mamukhanov. *Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk* no. 5-9-16 '62.

Some inequalities for integral functions of finite degree within the norm of a generalized Lebesgue class. I. I. Ibragimov, A. S. Dzhaferov. *Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk* no. 5-17-28 '62.

## INFANCY OF ANIMALS

 see *Animals, Infancy of*

## INFANTS (NEWBORN)—DISEASES

Clinical and morphological characteristics of leukemia in newborn infants. I. U. G. Huda. *Probl. gemat. i perel. krovi* 12 no. 1-31-13 Ja '67.

## INFECTION

Experimental infection of laboratory animals by enteropathogenic *Escherichia coli* 0121 K72 (B17). Report No. 1. Study of the infectious process in white mice following intranasal infection. I. U. G. Huda, V. A. Arslanova, Z. M. Mikhaelov. *Epid. i immunit.* 14 no. 1-61-65 Ja '67.

Reactivity of the body. V. A. Val'dman. *Trudy LPMI* 37:3-19 '65.

Rheumatoids. V. A. Val'dman. *Trudy LPMI* 37:27-38 '65.

## INFECTIOUS HEPATITIS

 see *Hepatitis, Infectious*

## INFLAMMABLE TEXTILES—MEASUREMENT

Advantages of the new system of measuring fabrics. G. Trakhtenberg. *Sov. toig.* 10 no. 2-31-34 F '67.

## INFLAMMABILITY

Inflammability of some explosive mixtures based on ammonium nitrate and perchlorate. K. K. Andreev, P. M. Dong-Dien. *Vopr. vopros. no. 60/17-107-118 '66.*

## INFLAMMATION

Vasculitis and inflammation. V. A. Val'dman. *Trudy LPMI* 37:20-25 '65.

## INFLORESCENCE

Some data on the development of male sporangium in wheat in the absence of boron. T. B. Udyglin, L. A. Triletskaya, G. K. Alimov. *Bot. zhurn.* 51 no. 12:1751-1754 D '66.

## INFLUENCE OF ALTITUDE

 see *Altitude, Influence of*

## INFLUENZA

(see also subdivision under *Osetia, North*)  
Clinical aspects and urgent treatment of influenza group. S. I. Flekser, K. V. Blumental, G. A. Chernovskii. *Sov. med.* 40 no. 1-64-68 Ja '67.

## INFLUENZA—COMPLICATIONS AND SEQUELAE

Acute influenza psychoses in children during the outbreak of influenza according to data of 1957. F. K. Zefirova, M. G. Ushanova. *Trudy Gos. nauch.-issl. inst. peikh.* 26:237-242 '61.

Pneumonias in the period of influenza epidemics, January-February 1958. E. N. Aitmetev, T. M. Romanova. *Sov. med.* 20 no. 1-42-17 N '68.

Psychoses connected with A<sub>2</sub> influenza in 1957. V. F. Kuzmenok, D. F. Lavrov. *Trudy Gos. nauch.-issl. inst. peikh.* 26:233-236 '61.

## INFORMATION SERVICES—CLASSIFICATION

Unified complex of classification and coding systems of technical economic information. A. A. Daidabanov. *Stand. i kach.* 30 no. 1-1-38-10 N '66.

## INFORMATION THEORY

Application of some information theory methods in the technology of automatic digital computers. E. I. Mamonov. *Vych. tekhn. [MVTU]* no. 5:118-130 '66.

Method for raising the order of code rings. A. N. Bled. *Chisl. i sbor. tab. po vop. elektromekh.* 30 no. 1-211-226 '60.

Method for sequential reception in the large for admitting majority decoding. B. D. Bagaev, I. M. Ilyuk. *Elektronika* 21 no. 1-11-22 Ja '67.

The nature of information. V. M. Alekseyants. *Fiz. i khim.* 38 no. 1-65-80 '65.

The principle of feasibility in studying a foreign language. M. N. Shepel. *Vych. i shkol. 9 no. 3-6 no. 84-85 '66.*

**Sedov, E. A.** [A report from no-man's land, taking on information]. *Reportazh s nikelnoi zemli, razmeshch. ob informatsii.* Izd. 2. [Moskva] Molodai generatsiya, 1966. 303 p. (Eyrfa)

**Strank, R.** [Probability and information]. *Vaiibolshaya informatsiya.* Riga, Zinatne, 1966. 45 p. [in Russian]

## INFORMATION THEORY IN MANAGEMENT

Economic systems and economic information. I. U. G. Huda. *Lk. i mat. metod.* 3 no. 1-17-60 I. '67.

## INFRARED HEATING

Infrared drying of mineral wool products. A. I. Babin. *Stroitel. i zhukh.* 12 no. 1-19-101 I. '67.

Modern methods for calculating infrared electric heating. M. A. Ilyuk. *Vod. i m. tekhn.* 11 no. 17-18 N '66.

Radiation of flameless gas burners. O. N. Bratkov. *Vopr. vopros. no. 60/17-107-118 '66.*

Warming engines by infrared rays. A. Fainberg. *Stroitel. i zhukh.* 5 no. 3-29 M '61.

## INFRARED RAYS

Effect of infrared light on the photoluminescence of SiC-N. L. A. Vinokurov, M. V. Lok. *Opt. i m. tekhn.* 21 no. 5:580-591 N '66.

## INFRARED SPECTROMETRY

Use of infrared spectroscopy in studying active centers of aluminum-oxide catalyst and aluminum compounds. Part 1. L. A. Ignat'ev, R. Kh. Khalkova. *Zhurnal spekt.* 5 no. 5:442-447 N '66.

## INFRARED SPECTRUM

 see *Spectrum, Infrared*

## INGOT MOLDS

Pouring rimmed steel into bottle-shaped ingot molds. S. L. Levin and others. *Stal* 21 no. 11-102 000 '66. Studying thermal stresses in ingot mold walls with the use of models. A. V. Kukua. *Izv. vuzov, tekhn. nauch. i tekhn. met.* 10 no. 1-50-54 '67.

## INGUINAL HERNIA

Operative techniques in inguinal hernia prescreening. I. U. G. Huda. *Khirurgiya* 37 no. 1-13-14-80 D '66.

Operative treatment of recurrent hernial hernia. I. U. G. Huda. *Khirurgiya* 37 no. 1-13-14-80 D '66.

## INGURI HYDROELECTRIC POWER STATION—DAMS

Studying deformation properties of foundation of arch dam of Inguri Hydroelectric Power Station. I. U. G. Huda. *Khirurgiya* 37 no. 1-13-14-80 D '66.

## INHERITANCE AND SUCCESSION

Controversial problems in the practice of notarial agencies. N. I. Boudaev. *Sov. gos. pravo* no. 1-21-121 Ja '67.

Detection of the inheritance rights of Soviet citizens. Z. Kiyova, E. Fildnova. *Sov. iust.* 10 no. 2-1-4-12-13 Ja '67.

## INHIBITION

Protective inhibition. A. I. Schastnyy. *Trudy GIM* 12-14 '62.

Role of the formation of conditioned inhibition in the genesis. L. N. Kuzlava. *Zhukh. v. nauch. i tekhn. i tekhn. met.* 10 no. 1-50-54 '67.

## INHIBITION (CHEMISTRY)

Role of hydrogen atom of an amino group in the mechanism of inhibiting action of amines. I. V. Vasil'ev, G. F. Bobikh. *Vest. Mosk. univ.* 2: Khim. 23 no. 5:50-53 N-D '66.

Studying certain acetylene compounds as acid catalyst inhibitors. N. I. Podobnyy, A. G. Voskresenskiy. *Trudy Semikolenov. Zashch. mel.* 3 no. 1-112-119 Ja '67.

## INJECTIONS, HYPODERMIC

Intralingual administration of drugs. A. G. Pankov. *Sov. med.* 20 no. 10:56-60 O '66.

## INJECTIONS, INTRA-ARTERIAL

Methodology of prolonged intra-arterial chemotherapy in malignant neoplasms of the breast. S. A. Gerasimov, B. G. Gol'dman. *Khirurgiya* 42 no. 1-1-12-13 D '66.

Treatment of peptic ulcer with intra-arterial injections of novocaine. N. G. Dzakiyova. *Sbor. nauch. i tekhn. i tekhn. met.* 10 no. 1-50-54 '67.

## INJECTIONS, INTRAVENOUS

Pharmacology of tetracycline preparations in intravenous administration. *Antibiotiki* 12 no 1 73-79 Ja '67.

Results of clinical use of oleandomycin (for intravenous administration). E. A. Govortovich and others. *Antibiotiki* 12 no 1 73-76 Ja '67.

**INJURIOUS AND BENEFICIAL BIRDS** see Birds, Injurious and beneficial

**INJURIOUS AND BENEFICIAL INSECTS** see Insects, Injurious and beneficial

## INLAND WATER TRANSPORTATION

(see also subdivision under Ukraine; White Russia)  
For further improvement of the technical operation of the river fleet. A. V. Videl'skiy. *Rech. trasp.* 20 no 7 5-7 Ji '61.

In the Board of the Ministry of the River Fleet. *Rech. trasp.* 20 no 7 52 Ji '61.

## INLAND WATER TRANSPORTATION—CONGRESSES

At the plenum of the Central Committee of the Trade Union. *Rech. trasp.* 20 no 7 51-52 Ji '61.

## INLAND WATER TRANSPORTATION—MANAGEMENT

Ikhtin, A. P., ed. [Organization of the work of the fleet and the ports]. *Organizatsiya raboty flota i portov*. [By] A. P. Ikhtin. Moscow, Transport, 1960. 527 p.

Ways for reducing the damage of ships. S. Znamenovskiy. *Rech. trasp.* 20 no 7 30-31 Ji '61.

## INLAND WATER TRANSPORTATION—TECHNOLOGICAL INNOVATIONS

Speed up technical progress in transportation. A. Subbotin. *Rech. trasp.* 20 no 7 36-39 Ji '61.

**INNER MONGOLIA** see Mongolia, Inner

**INPUT-OUTPUT ANALYSIS** see Linear programming

## INSANITY—JURISPRUDENCE

Formula of the medical criterion of irresponsibility and the controversial problems connected with it. F. N. Morozova, I. K. Shakhmatov. *Trudy GIMU* no 1 '66. 271 '62.

**INSCRIPTIONS** see subdivision under Cimmerian Bosphorus (Kingdom)

**INSCRIPTIONS, ARAMAIC** see subdivision under Egypt

**INSCRIPTIONS, RUNIC** see subdivision under Gornio-Altaï Autonomous Province

**INSCRIPTIONS, SABAEAN** see subdivision under Yemen

## INSECT POPULATIONS

Some causes determining the stability of pest population (as exemplified by the apple moth *Hyponomeuta malinellus* Zett.). A. G. Degtyarev. *Trudy KISKIM* 55:106-111 '66.

## INSECT TRAPS

Baits in catching click beetles. A. I. Kovnilk. *Trudy KISKIM* 55:61-63 '66.

Electrical insect traps. S. Anshov, B. Matrons, V. Molchanova. *Zemledelie* 20 no 1 72-73 Ja '67.

## INSECTICIDES

Effect of some insecticides on the bean aphid *Aphis fabae* in forage bean fields. L. V. Lapshin, I. V. Lepikhin. *Khimiya sel'sk. khoz.* 5 no 1 34 Ja '67.

Detection of reinder used for draft purposes from horseflies. D. V. Savelyev, V. A. Potnikov. *Vest. sel'khoz. nauki* 11 no 12 136 D '66.

Reliable remedy against warble fly larvae. F. Sidorenko, H. Rustegayev. *Zakup. sel'khoz. prod.* no 12 17-48 D '66.

Studying the comparative toxicity of some contact insecticides with regard to the beet aphid (*Aphis fabae* Scop). K. S. Ryzmadze. *Soob. AN Gruz. SSR* 27 no 2 201-200 Ag '63.

Testing some insecticides in controlling currant borers beetles during 1964-1965. L. G. Vaganova. *Trudy KISKIM* 55:102-105 '66.

Vortex methods for using poisonous chemicals in controlling greenbugs. Z. P. Borisova. *Trudy KISKIM* 55:22-27 '66.

## INSECTS—BEHAVIOR

Samoylov, K. V. [Insect "patents"] "Patenty" nasokonnykh. Moscow, Ob-vo "Znanie" RSFSR, 1965. 20 p. (Lektoru o biologii)

## INSECTS—DEVELOPMENT

Equipment for protecting the eggs and larvae of fox-colored pine sawfly from the effect of low temperatures. *Sob. nauch.-issl. inst. po les. khoz.* no 8 367-369 '63.

## INSECTS, INJURIOUS AND BENEFICIAL

(see also subdivision under Kharkov Province)  
Harm and biology of some predatory insects feeding on fruit mites. L. V. Andeeva. *Vest. sel'khoz. nauki* [Kharkov] 10 no 1 98-104 Ja '67.

**INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL** see subdivision under Ob' Valley, Tajikistan, United States

## INSECTS, INJURIOUS AND BENEFICIAL—CONTROL

Dynamics of the numbers of the major pests of alfalfa and meadows for their control. L. F. Krasnopolskaya. *Trudy KISKIM* 55:28-35 '66.

Pests of deciduous trees and shrubs in the coastal zone of Abkhazian and the measures for their control. V. N. Vashadze. *Trudy Sukh. bot. sada* no 13 81-86 '60.

## INSTINCT

Sudakov, K. V. [Secrets of instinct; biological motivation of innate behavior] *Tany instinkta, biologicheskii motiv, i razvitiya povedeniya*. Moscow, Znanie, 1967. 46 p. (Novoe v zhizni, nauka, tekhnika VIII Seriya Biologiya, no. 2)

## INSTRUMENT FLYING

Physiological causes of errors in instrument flights. A. Chayek. *Gizhd. av.* 12 no 10 23-24 O '55.

## INSTRUMENT INDUSTRY—ACCOUNTING

Chumachenko, N. G. [Standard accounting for production in instrument manufacturing] *Normativnyi uchet proizvodstva v priborostroeni*. Moscow, Mashinostroyeniye, 1966. 206 p.

**INSTRUMENTS** see subdivision under Czechoslovakia

## INSTRUMENTS—DESIGN AND CONSTRUCTION

Selecting names of machine and instrument parts for design documentation. M. P. Rabinovich. *Stand. i kach.* 30 no 11 9-12 N '66.

**INSULATED ELECTRIC WIRE** see Electric wire, Insulated

## INSULATING MATERIALS

New rolled materials for covering floors on an insulating base. D. P. Atapetov, G. V. Sitanova. *Stroitel. mat.* 7 no 12 35-36 D '61.

Vermiculite is a highly effective insulating material. *Stroitel. mat.* 7 no 12 13 D '61.

## INSULATING OILS

Properties of transformer oil mixtures. L. A. Gorehankva, A. I. Dumilova, T. I. Bessonova. *Elek. sta.* 37 no 12 61-63 D '66.

## INSULATING OILS—ELECTRIC PROPERTIES

Effect of resins, naphthenic acids, and water on the electrical properties of the system sodium soap - transformer oil (with summary in English). Ch. M. Dzhuvariy, L. A. Mukharbekova. *Koef. zhur.* 23 no 3 272-275 My-Je '61.

## INSULATING PAPER

Effect of the drying temperature on the properties of electric insulating paperboard. A. V. Ryabkov, G. A. Tol'skii. *Bum.prom.* no 1 5-7 Ja '67.

## INSULATION (HEAT)

Achieving heat insulated roofs through use of spray-coatings. N. A. Smirnov, A. F. Erokhina. *Stroitel. a khim. Len.* 28 no 12 12-14 D '66.

Alimov, E. V., and A. A. Brechko. [Heat insulating sleeves for risers on steel castings] *Teplotokhnicheskoye oblikovki priblyet stalnykh otvok*. Leningrad, 1966. 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt Seriya Progressivnoye formirovaniye)

Estimating the effectiveness of thermal insulation of the cabin at the "Khar'kovchanka" snow half-track. I. A. Zetkov, I. A. Panov. *Inform. biul. Sov. antark. eksp.* no 29 15-48 '61.

Heat insulation in electric plants. F. G. Tsentser. *Elek. sta.* 33 no 3 85-86 Mi '62.

## INSULIN SHOCK

Histochemical study of adrenalin, noradrenalin and ascorbic acid in adrenal glands of cats following insulin coma. V. V. Iaglov. *Arkha. anat., gist. i embriol.* 51 no 10 122-125 O '66.

## INSULIN SHOCK THERAPY

Combined therapy with insulin shocks and prolonged sleep in schizophrenia. M. R. Chernukhina and others. *Trudy Gos. nauch.-issl. inst. psikh.* 26:97-103 '61.

Insulin therapy in schizophrenia in the wards for unruly patients of the Tomsk Psychoneurological Hospital. L. I. Zhurko and others. *Trudy Gos. nauch.-issl. inst. psikh.* 26:77-79 '61.

Insulin treatment of schizophrenia with a chronic unfavorable course. L. D. Shapovalova, M. G. Pakhomova. *Trudy Gos. nauch.-issl. inst. psikh.* 26:80-82 '61.

Materials on insulin therapy from the reception departments of the Tomsk Psychoneurological Hospital. F. G. Garganava and others. *Trudy Gos. nauch.-issl. inst. psikh.* 26 73-76 '61.

Some data for the comparative evaluation of the results of treating schizophrenia with insulin and aminazine. *Trudy Gos. nauch.-issl. inst. psikh.* 26:83-86 '61.

## INSURANCE, SOCIAL

Forty-five years since Lenin's decree on social insurance. L. Reznik. *Neftianik* 11 no 10 14-15 O '66.

## INTEGRAL EQUATIONS

Applying Mellor-Fock integral transform in solving problems of magnetic and gravity geophysical prospecting methods. V. N. Strakhov. *Izv. AN SSSR, fiz. zem.* no 11 55-67 '66.

Derivation of minor solutions in a class of nonlinear integral equations. P. I. Golovachik. *Dif. urav.* 2 no 11 510-519 N '66.

Integral equations in diffraction problems. V. V. Kravtsov. *Vychisl. mat. i prog.* 5:260-293 '66.

Modification of the method of similitude iteration for a system of integral equations in problems of the theory of structures. V. N. Kudina. *Proch. i din. av. dvizh.* no 3 185-187 '66.

Numerical method for solving Fredholm integral equations of the first order. A. B. Bakushinskiy. *Vychisl. mat. i prog.* 5:99-106 '66.

Solution of integral equations of the first order whose kernel depends on the product. A. I. Perel'man. *Zhur. vychisl. mat. i mat. fiz.* 7 no 1 94-112 Ja-F '67.

Tsif, L. A. [Calculus of variations and integral equations, reference book] *Variatsionnoe ischislenie i integral'nye uravneniya, spravochnoe rukovodstvo*. Moscow, Nauka, 1965. 176 p.

## INTEGRALS

Double Stieltjes operator integrals and multiplier problems. M. Sh. Birman, M. Z. Solomiyak. *Dokl. AN SSSR* 171 no 6 1251-1254 D '66.

Generalization of some results concerning the order of convergence of singular integrals. R. G. Mamedov. *Dokl. AN Azerb. SSR* 18 no 3 3-7 '62.

Kaplan, I. A. [Practical studies on higher mathematics] *Prakticheskie zaniatia po vysshei matematike*. Khar'kov, Izd-vo Khark'kovskogo gos. univ.

Pt. 4. [Double, triple, and curvilinear integrals, numerical, trigonometric, and power series] *Dvoynnye, troynnye i krivolinейnye integraly, chisl'nyye, stepennoye i trigonometricheskoe riady*. 1966. 235 p.

One Tauberian theorem on integrals. E. V. Ushelidze. *Soob. AN Gruz. SSR* 44 no 2 237-261 N '66.

## INTEGRALS—PROGRAMMED INSTRUCTION

Nakhimov, L. M. [Programmed instruction in the field of "Elements of integral calculus", a textbook for technical schools] *Programmirovannoe obucheniye po razdelu "Elementy integral'nogo ischisleniya"*, posobie dlia tekhnikumov. Moscow.

Pt. 1. [Indefinite integrals] *Neopredelennyy integral*. 1965. 40 p.

## INTEGRALS, GENERALIZED

Analytic capacity and the Cauchy integral. M. S. Melnikov. *Dokl. AN SSSR* 172 no 1 26-29 Ja '67.

Definitions of  $p^2$ - and SCP-integrals. V. A. Skvortsov. *Vest. Mosk. un. Ser. 1 Mat.-mekh.* 21 no 6 12-19 N-D '66.

Estimation of Cauchy integral. A. G. Vitushkin. *Mat. sbor.* 71 no 4 515-534 D '66.

Estimation of Cauchy integral from analytic curve. M. S. Melnikov. *Mat. sbor.* 71 no 4 503-514 D '66.

Stieltjes's double operator integrals. M. Sh. Birman, M. Z. Solomiyak. *Probl. mat. fiz.* no 1 33-67 '66.

## INTEGRODIFFERENTIAL EQUATIONS

Expansion of the solution to an integrodifferential equation. E. I. Grudo. *Dif. urav.* 2 no 12 1587-1593 D '66.

On the existence of solutions to differential and integrodifferential equations containing asymptotic parabolas. I. U. A. Ved'. *Dif. urav.* 2 no 12 1594-1610 D '66.

One boundary problem for integrodifferential equations of the Volterra type with small parameters and highest derivatives. K. I. Kvantallani. *Soob. AN Gruz. SSR* 27 no 2 129-136 Ag '61.

Uniformly nonelliptic systems of singular integrodifferential equations on compact manifolds. B. R. Vainberg, V. V. Grushin. *Dokl. AN SSSR* 172 no 3 518-520 Ja '67.

## INTELLECTUALS

Concept of the "intelligentsia" and some characteristics of its development during the transition to communism. S. P. Stankovich. *Uch. zap. Svergos. gos. ped. inst.* no 35 168-180 '66.

## INTEREST AND USURY

History of trade and commercial and usurious capital in Siberia, 1861-1891. A. P. Borodavkin, A. A. Govorkov. *Trudy TGU* 158:37-60 '65.



INVESTMENTS, AMERICAN see subdivision under Africa

INVESTMENTS, BELGIAN see subdivision under Katanga Province, Congo (Kinsasa)

INVESTMENTS, FOREIGN see subdivision under Iraq

IOASAF, Bishop of Perm and Solikamsk, 1904-

Address of His Holiness Patriarch Aleksei on bestowing the patriarchal cross on Ioasaf, Bishop of Perm and Solikamsk. Zhur. Mosk. Patri. no. 12:21-22 '66

Nomination and consecration of Archimandrite Ioasaf (Ovchinnikov) as Bishop of Perm and Solikamsk. Zhur. Mosk. Patri. no. 12:26-30 '66.

## IODIDES

Kinetics of oxidation of iodide by hydrogen peroxide in presence of titanium (IV). V. A. I. Ivinenko, Ukr. khim. zhur. 32 no. 11:160-167 '66

Physicochemical study of systems consisting of iodine and iodides of potassium, cesium, silver, and thallium. P. I. Fedotov, A. G. Dudareva, M. S. Nasova. Zhur. neorg. khim. 12 no. 1:71-75 Ja '67

## IODINE

Electrochemical separation of iodine in the high-speed flow of diluting fluids. S. P. Tsvetkov, M. Gerasimov, Trud. Inst. khim. AN Azerb. SSR 70:161-168 '67

IODINE—EFFECT ON PLANTS see Plants, Effect of Iodine on

## IODINE—PHYSIOLOGICAL EFFECT

Change in interocular distance of thyroid gland of sheep of Tajik breed as affected by iodine-enriched food. N. M. Gerasimov. Izv. Otd. biol. nauk AN Tadzh. SSR no. 1:11-13 '66

## IODINE COMPOUNDS

Effect of ionic properties of iodine-amylose complexes. O. P. Kaban, O. B. Kurylenko, Dop. AN URSR no. 12:1741-1745 '66.

## IODINE IN THE BODY

Iodine content in the thyroid gland in health and in various forms of goiter in Kirghizia. P. P. Glazutova. Probl. endok. i gorm. 8 no. 6:82-81 N-D '67

## IODINE ISOTOPES

Liver function tests using  $^{131}$ I-labeled rose bengal. M. N. Fateeva and others. Med. rad. 7 no. 10:9-8 O '62

Methodology for scanning the liver with  $^{131}$ I-labeled rose bengal in oncology. M. A. Volkova, N. V. Obukhov, V. Z. Agapov. Med. rad. 7 no. 10:8-15 O '62.

## IODINE ISOTOPES—DECAY

Study of chemical transformations as a result of  $\beta$ -decay of  $^{131}$ I of iodoxybenzene. V. D. Medvedev and others. Radiokhimiya no. 6:719-720 '66

## IODINE ISOTOPES—THERAPEUTIC USE

Megakaryocytopoiesis and thrombocytopoiesis in diffuse toxic goiter during the period of treatment with  $^{131}$ I. O. N. Piskunov, A. M. Rykhovskaya, Med. rad. 12 no. 1:82-85 Ja '67.

Secretory and excretory functions of the stomach in thyrotoxicosis before and after treatment with  $^{131}$ I. V. G. Spentitskaya, A. I. A. P. Ogulova. Probl. endok. i gorm. 8 no. 6:67-71 N-D '62

Sixth White Russian Conference of Endocrinologists. G. Gatsko, Probl. endok. i gorm. 8 no. 6:115-118 N-D '62

## IOFFE, ABRAHAM FEDOROVICH, 1880-1960

Academician Abram Fedorovich Ioffe; obituary. Bul. nauch. tekhn. inform. po apn. fiz. no. 8/9:3-7 '60.

## ION BEAMS—ELECTRIC PROPERTIES

Electrostatic instability of finite ion beam. Yu. S. Popov. Pis'm. v red. Zhur. eksp. i teoret. fiz. 4 no. 9:352-354 N '66.

## ION BOMBARDMENT

Effective moments of inertia of heavy nuclei at the saddle point. Effektivnye momenty inertsii tlazheilykh yad v sedlovoy točke. [By] S. A. Karamian i dr. Dubna, 1967. 30 p

## ION EXCHANGE

Anion exchange of chloride complexes of gallium and indium in presence of hydrochloric acid and organic solvents. A. N. Gorokhova, E. P. Tsimbichev, I. P. Alimarin. Vost. Mosk. un. Ser. i Khim. 21 no. 6:68-71 N-D '66.

Effect of ion exchange on the physicochemical properties of polyglycolite. A. A. Panasevich, F. D. Ovcharonko, IT. II. Kukovskiy. Dop. AN URSR no. 7:931-935 '62

Effect of solution concentration and anions on cation exchange of copper ferrocyanides. E. V. Kazakov, I. P. Karpova. Vost. L'GU 21 no. 22:141-145 '66.

Purification of technical citric acid solutions on a two-layer cation exchanger. R. Karidina, L. Ramina. Trudy VKNII no. 17:156-161 '66

Study of ion exchange on crystals of fatty acids and their Mg and Ca salts. O. N. Gigerov, N. G. Shanova. Vost. L'GU 21 no. 22:166-167 '66.

Study of oxidized nickel dimer (diviglymate) by means of ion exchange. M. K. Bozakov, E. I. Kazantsev, I. I. Kalinchenko. Zhur. neorg. khim. 12 no. 1:269-273 Ja '67

Use of ion exchangers in the production of beet pollen. L. B. Sosnovskii, G. V. Buzina, O. F. Ivanova. Trudy VKNII no. 17:105-108 '66.

## ION EXCHANGE RESINS

Condensation of acetylene with phenol in the presence of the KU-2 cation exchange resin. V. L. Vasici, V. D. Rabin, B. M. Patinskii. Zhur. prikl. khim. 34 no. 6:1360-1361 Je '61

## ION EXCHANGE RESINS—ADSORPTIVE PROPERTIES

Ion exchangers as adsorbents for gas absorbing apparatus. A. I. Vul'kh and others. Bezop. truda v prom. 11 no. 1:46-48 Ja '67

## ION EXCHANGE RESINS—THERAPEUTIC USE

Use of synthetic ion exchange resins in medical practice, a review of the literature. N. M. Solovina. Khirurgiya 42 no. 12:110-111 D '66.

## ION EXCHANGERS

Contact of electrode and cation-exchange membrane in electrochemical oxidation of hydrogen. A. B. Klianin. Elektrokhimia 2 no. 12:1101-1102 D '66.

Nature of exchange ions and hydration energy of ion exchangers. E. T. Nekrasch and others. Dokl. AN SSSR 171 no. 6:1373-1375 D '66.

## ION SOURCES

Dorofeev, G. A., and G. N. Inikhov. [Standard sources of ionizing radiations] Obratstvennye istochniki ioniziruyushchikh izlucheni. [Moskva] Atomizdat, 1967. 123 p.

## IONIC CRYSTALS

Anomalies of position annihilation in ionic crystals. V. I. Gol'danskii, P. P. Prokof'ev. Pis'm. v red. Zhur. eksp. i teoret. fiz. 4 no. 10:422-425 N '66

Raman scattering of light in cubic ionic crystals with impurities. L. E. Guevich, I. P. Ipatova, A. A. Kiochi-khin. Fiz. tver. tela 8 no. 11:3260-3268 N '66.

## IONIC SOLUTIONS

Composition of aqueous solutions of phosphates at different temperatures, pH, and ionic strengths of solution. M. S. Pusechinskii and others. Vest. L'GU 21 no. 22:159-162 '66

Effect of acidity on the interaction of ions in aqueous solutions. V. A. Latysheva. Probl. sovi. khim. i teoret. sood. no. 1:157-162 '66.

Extraction of ionic associates with triarylmethane dyes. S. A. Iononov, A. V. Nikolaev. Dokl. AN SSSR 167 no. 2:351-356 Nr '66.

pH of the beginning of precipitation (dissolution) and its dependence on energy characteristics of ions of group II elements and 4th series of D. I. Mendeleev table. P. N. Kovalenko. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:699-701 '66.

## IONIZATION

Magnetic ionization manometer. V. M. Ilavyluk. Ukr. fiz. zhur. 4 no. 5:670-681 S-O '59.

Mass-spectrometric detection of long-lived auto-ionization states of  $\text{Ca}^{+}$  and  $\text{Sr}^{+}$  ions. S. E. Kupitsinov, Pis'm. v red. Zhur. eksp. i teoret. fiz. 4 no. 9:349-318 N '66.

Photoionization of shallow impurity levels in semiconductors with photon participation. A. A. Grubishev, N. I. Kramer. Fiz. tver. tela 8 no. 11:3350-3353 N '66.

Studying the surface ionization of dielectrics by determining conditions of the discharge. O. D. Barantseva, V. A. Malyshev. Elektr. obr. mat. no. 1:43-50 '66

Symmetry of  $\text{SeO}_3^{2-}$  ions of triglycine selenate crystals in para- and ferroelectric phases. E. K. Galanov. Fiz. tver. tela 8 no. 11:3366-3368 N '66.

## IONIZATION OF GASES

Ionization of chlorine on platinum and iridium electrodes in fused eutectic  $\text{AlCl}_3 - \text{NaCl} - \text{KCl}$ . A. M. Skundin, V. Sh. Palanker, V. S. Bagotskii. Elektrokhimia 2 no. 12:1453-1455 D '66.

## IONOSPHERE

Zeyakina, R. A., E. V. Lavrova, and L. N. Liakhova. [Principles of short-range prediction of ionospheric geomagnetic storms and radio-propagation forecasting service, a manual] Osnovy prognozirovaniya ionosferno-magnitnykh vozmushchenii i sluzhba kratkosrochnykh radioprognozov; rukovodstvo. Otv. red. L. N. Liakhova. Moskva, Nauka, 1967. 72 p.

## IONOSPHERIC RADIO WAVE PROPAGATION

Dymovleb, N. D., A. Z. Firsov, and N. P. Krasluk. [Radio waves in the ionosphere and ultrashort waves; textbook] Radiovolny v ionosfere i ul'trakorotkie volny; uchebnoe posobie. Obshchaya red. N. P. Krasluka. Leningrad, Severo-Zapadnyi zaochnyi politekh. in-t, 1966. 82 p

## IONS

Activity of potassium and sodium ions in the giant neurons in mollusks. Z. O. Sorokina. Fiziol. zhur. [Ukr.] 12 no. 6:776-780 N-D '66

## IONS—MIGRATION AND VELOCITY

Effect of motion of ions along magnetic field on plasma stability. S. S. Moiseev. Pis'm. v red. Zhur. eksp. i teoret. fiz. 4 no. 3:81-81 3g '66

Measurement of the transport numbers of ions with respect to a solution in HCl, LiCl, NaCl, FCl solutions. B. P. Konstantinov, V. P. Troshin. Izv. AN SSSR, Khim. no. 12:2104-2110 '66

## IONS—SCATTERING

Anisotropy of the angular distribution and the structural character of the energy distribution of ions scattered by the surface of a single crystal. A. A. Aliev, U. A. Ailov. Dokl. AN SSSR 172 no. 1:65-68 Ja '67.

One method of experimental determination of intermolecular interaction potentials. A. B. Kamnev. Vest. Mosk. un. Ser. 3. Fiz., astron. 21 no. 6:3-8 N-D '66

IOZITE see subdivision under Ukraine

## IRAN—HISTORY

Participation of Panov, a Bulgarian revolutionary, in the constitutional revolution in Iran. T. Shakhin. Izv. AN Azerb. SSR Ser. 1st, filoz. i prav. no. 3:31-40 '66

## IRAN—INTELLECTUAL LIFE

How the works of Ahmad-zade influenced the development of progressive social and philosophical ideas in Iran. R. M. Eminov. Izv. AN Azerb. SSR, Ser. 1st, filoz. i prav. no. 3:80-90 '66

## IRAN—RELATIONS (GENERAL) WITH RUSSIA

Helping our neighbor. I. Ovodov. Nov. vrem. 25 no. 9:28-30 I '67

## IRAQ—INVESTMENTS, FOREIGN

Political aspects of the petroleum conflict. P. Gevorgian. Mezhdunar. zhizn' 14 no. 2:129-130 '67.

## IRAQ—PETROLEUM INDUSTRY

Political aspects of the petroleum conflict. P. Gevorgian. Mezhdunar. zhizn' 14 no. 2:129-130 '67.

## IRBIT (SVERDLOVSK PROVINCE)—CATTLE TRADE—MANAGEMENT

Organization of cattle procurement. I. A. Svalov. Zakup. sel'khoz. prod. no. 11:34-15 N '66

## IRKUTSK—AIRPLANES—MAINTENANCE AND REPAIR

Control of tower hour chart of airplane servicing. A. Karaman. Grazhd. av. 12 no. 10:32-33 O '55.

## IRKUTSK—ELECTIONS

All for the welfare of the people. N. Salitskii. Aghator 34 no. 4:6 P '67.

## IRKUTSK—INDUSTRIAL MANAGEMENT

Participation of young people and the members of the Komsomol in the work of the organizations of people's control. V. I. Luk'nenko. Trudy lik. inst. nar. khoz. no. 1:180-191 '66.

## IRKUTSK—MEDICAL SOCIETIES

30 years of activity of Irkutsk Scientific Society of Philologists (1934-1964). M. A. Volova. Probl. tub. 44 no. 1:75-78 '66.

## IRKUTSK PROVINCE—CABBAGE—IRRIGATION

Irrigating early cabbage. B. A. Tupitsyn, L. E. Zaita. Izv. ISKH no. 24:204-205 '62

## IRKUTSK PROVINCE—COLLECTIVE FARMS

Near the old road to Moscow. V. Telegin. Mol. komm. no. 12:43-44 D '61.

## IRKUTSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

Efforts of the Irkutsk party organization to develop the leadership of Communists in industry and construction during the seven-year plan. V. F. Semina. Trudy lik. inst. nar. khoz. no. 1:90-119 '66.

## IRKUTSK PROVINCE—CORN (MAIZE)

Growing corn in Irkutsk Province. M. P. Tarasova. Izv. ISKH no. 24:219-223 '62.

Tilling soil for corn before sowing. A. R. Gil'. Izv. ISKH no. 24:216-218 '62.

## IRKUTSK PROVINCE—CORN (MAIZE)—VARIETIES

Selecting corn varieties for Irkutsk Province. G. I. Pokrovskaya. Izv. ISKH no. 24:62-66 '62

## IRKUTSK PROVINCE—FALLOW—ECONOMIC ASPECTS

Economic effectiveness of green fallow crops. A. R. Gil', V. M. Shunkov. Izv. ISKH no. 24:212-215 '62.

- IRKUTSK PROVINCE—GRAIN—HARVESTING**  
Some problems of harvesting grain by stages in Irkutsk Province. A. V. Mitrofan. Izv. ISKhII no. 2, 166-176, 1962.
- IRKUTSK PROVINCE—GRAIN HANDLING**  
Conclusions on the acceleration of technological innovations in the grain handling and storage enterprises of the Irkutsk Province. A. V. Mitrofan. Izv. ISKhII no. 2, 137-138, 1962.
- IRKUTSK PROVINCE—HYDROELECTRIC POWER STATIONS**  
Energy of the Yenisei should serve our people. B. Zagorodnikov. Mol. Prom. no. 12, 39-42, 1961.  
The role of party organizations in the development of industrial enterprises. A. V. Mitrofan. Izv. ISKhII no. 1, 75-80, 1960.
- IRKUTSK PROVINCE—JEHOVAH'S WITNESSES**  
Using the various forms and methods of electric propagation. V. P. Voznitskiy. Trudy Ikh. no. 38 no. 4, 155-161, 1961.
- IRKUTSK PROVINCE—LAND—ECONOMIC ASPECTS**  
Economic evaluation of land and some problems of the practical use of its results in Irkutsk Province. P. Beloboroda. Izv. ISKhII no. 2, 17-32, 1962.
- IRKUTSK PROVINCE—LUMBERMEN**  
For lumbermen of the Baidar region. P. A. Zharin. no. 4, 61, 1967.
- IRKUTSK PROVINCE—PLOUGHING**  
Problem of plowing dates for wooded and shrubby virgin lands. A. G. Belykh. Izv. ISKhII no. 2, 107-111, 1962.
- IRKUTSK PROVINCE—SHEEP**  
Some problems of the economics of the organization of sheep raising in Irkutsk Province. R. V. Bogdanov. Izv. ISKhII no. 2, 47-61, 1962.
- IRKUTSK PROVINCE—SOIL MICRO-ORGANISMS**  
Biological activity of some soils in Irkutsk Province. Izv. ISKhII no. 2, 206-211, 1962.
- IRKUTSK PROVINCE—SUGAR BEETS**  
Growing sugar beets in Irkutsk Province. P. I. Noguina. Izv. ISKhII no. 2, 67-76, 1962.
- IRKUTSK PROVINCE—TECHNOLOGICAL INNOVATIONS**  
Efforts of the party organizations of Irkutsk Province to develop the technical creativity of workers. A. P. Blazhenko. Trudy Ikh. inst. nat. khoz. no. 114-151, 1966.
- IRKUTSK PROVINCE—WHEAT**  
Crops preceding spring wheat in crop rotations in Irkutsk Province. M. V. Blabolin. Izv. ISKhII no. 2, 134-148, 1962.  
Effect of sowing dates and rates on the yield of durum wheat. V. I. Naumov. Izv. ISKhII no. 2, 197-203, 1962.
- IRON**  
Kinetics of zinc oxide reduction by metallic iron from silicate melts. A. I. Okunev, V. M. Chumakov. Dokl. AN SSSR 172 no. 1153-1155, 1967.  
Supply of metal in the U.S.S.R. L. L. Zaslavskiy. Stal' 22 no. 5, 461-466, 1962.
- IRON—ANALYSIS**  
Photocolorimetric determination of copper and iron in synthetic fatty acids. V. K. Chelobantsev, F. M. Kozlov, L. A. Kozlov. Masl. zh. prom. 33 no. 1, 38-39, 1967.
- IRON—CORROSION**  
Corrosion of iron in fused alkali and alkali earth chlorides and carbonates. V. P. Kochergin and others. Zhur. prikl. khim. 34 no. 6, 1258-1266, 1961.
- IRON—FATIGUE**  
Estimating possibility of damage to commercial iron in the process of fatigue testing at 20°-800°C. M. G. Lazarevskii, A. N. Romanov. Izv. AN SSSR, Met. no. 1, 122-124, 1967.
- IRON—MAGNETIC PROPERTIES**  
Studying the law of approximation to magnetization saturation of iron and iron-silicon alloys. B. P. Khromov. Fiz. met. i metalloved. 22 no. 6, 833-838, 1966.
- IRON—METALLOGRAPHY**  
Analysis of temperature and speed dependence of yield limit and flow stress in armco iron in the low temperature range. D. G. Ryvkin, V. D. Iaroshovich. Fiz. met. i metalloved. 22 no. 6, 909-916, 1966.  
Effect of hafnium on the kinetics of recovery and recrystallization of  $\alpha$ -iron. L. N. Larikov, I. E. Zasyachuk, V. S. Shkurov. Dop. AN URSS no. 7, 908-909, 1962.
- IRON—METALLURGY**  
Content of carbon, sulfur, and oxygen additions in iron powder depending on conditions of reduction with solid carbon. V. F. Knaizer, E. A. Krasnennikov. Izv. AN SSSR, Met. no. 1, 18-23, 1967.
- Reduction of iron in ore and ore-carbon granules in a suspended "singing" layer in a shaft gas flow. N. S. Mal'kov and others. Izv. AN SSSR, Met. no. 1, 11-17, 1967.  
Studying iron oxide reduction with use of the thermogravimetric method. Z. I. Kozlov and others. Izv. AN SSSR, Met. no. 1, 5-13, 1967.
- IRON—PHYSIOLOGICAL EFFECT**  
Patent application of iron preparations in raising calves. S. I. Pashchenko, D. P. Ivanov, A. T. Iosifimov. Vsesoyuz. AN BSSR, Ser. sel'sk. khoz. no. 1, 65-70, 1966.
- IRON—TESTING**  
Structure sensitive plasticity of iron. A. S. Dyachinskiy, V. N. Trifilov. Fiz. met. i metalloved. 22 no. 6, 934-935, 1966.
- IRON ALLOYS**  
Self-diffusion in strongly diluted binary solutions. Part 3: Effect of additions of Sn, Sb, Pb, Bi on self-diffusion of iron in the  $\gamma$ -phase. Fiz. met. i metalloved. 22 no. 6, 876-883, 1966.
- IRON ALLOYS—METALLURGY**  
Activity characteristics and their theoretical determination in binary iron alloys. P. S. Filipov, S. I. Filipov. Izv. vuz. ucheb. av. zhurn. no. 10, 18-19, 1967.
- IRON AND STEEL PLANTS**  
(see also subdivision under Pozharsk, Perm Province)  
Metallurgical plants reported at the 23d Congress of the CPSU. Stal' 21 no. 11, 961-963, 1961.
- IRON AND STEEL PLANTS—DESIGN AND CONSTRUCTION**  
(see also subdivision under Karaganda)  
For iron and steel metallurgical plants. A. I. Iudin. Nauch. i inzh. 5 no. 3, 25, 1961.
- IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES**  
(see also subdivision under Novyy Lipetsk, Lipetsk Province)  
Device for regulating the speed of inclining the table on a pouring machine. Stal' 21 no. 11, 977-978, 1961.
- IRON AND STEEL PLATES** see Plates, Iron and steel
- IRON-BERYLLIUM-NICKEL ALLOYS—METALLOGRAPHY**  
Effect of additions on the phase constitution of iron-beryllium alloys. I. A. S. Uman'skiy, I. G. Shevchenko. Izv. AN SSSR, Met. no. 1, 145-146, 1967.
- IRON CATALYSTS**  
Effect of additions on the kinetics of iron catalyst oxidation. Part 1. M. M. Lebedev, A. I. Kozlovskiy, P. V. Korenevskiy. Kinetika, 7 no. 6, 1052-1059, 1966.  
Regulation of chemisorption of carbon monoxide on promoted iron catalysts. Part 1. P. V. Kozlovskiy, A. I. Kozlovskiy. Kinetika, 7 no. 6, 1100-1101, 1966.
- IRON-CHROMIUM ALLOYS—ELECTROMETALLURGY**  
Production of a dense ingot of carbon ferrochromium. M. Sh. Kala, V. M. Zharinov, P. V. Aganichev. Stal' 22 no. 5, 426-427, 1962.
- IRON-COBALT ALLOYS**  
Temperature studies of the magnetization of the FeCo alloy. K. K. Bogdanov, V. V. Zubov. Izv. vuz. ucheb. zhurn. no. 9, 145-147, 1966.
- IRON-COBALT ALLOYS—FRACTURE**  
Effect of cobalt on tendency in iron toward brittle fracture. V. I. Sarrak, N. A. Shilov. Fiz. met. i metalloved. 22 no. 4, 596-610, 1966.
- IRON-COBALT ALLOYS—MAGNETIC PROPERTIES**  
Magnetization of finely dispersed particles of Fe-Co alloys. I. A. Derzhugin, M. A. Sigal. Fiz. met. i metalloved. 22 no. 4, 520-537, 1966.
- IRON-COBALT-NICKEL ALLOYS—METALLOGRAPHY**  
Studying the crystal structure of the FeNiCo35T5 alloy in a state with optimum magnetic properties. B. G. Lysitskiy, I. A. L. Litskiy. Fiz. met. i metalloved. 22 no. 4, 627-629, 1966.
- IRON COMPOUNDS**  
Diferrocenol and 1,2-diferrocenylethylene. A. N. Nesmelanov, E. G. Perevalova, T. F. Tishkardze. Izv. AN SSSR, Ser. khim. no. 12, 2209-2211, 1966.  
Study of iron borated under hydrothermal conditions. T. A. Kravchuk, I. U. D. Lazarevskiy. Zhur. prikl. khim. 12 no. 1, 44-48, 1967.
- IRON-COPPER ALLOYS—SPECTRA**  
Using method of conditional integral graphs for spectral determination of iron in Cu-Ni alloy. D. P. Milonina, N. K. Rudakovskiy, L. I. Topalov. Zhur. prikl. spekt. 5 no. 5, 681-683, 1966.
- IRON FOUNDRY**  
Effect of coke porosity on carbon content in castings. A. A. Mikhodits, A. I. Samonov. Izv. vuz. ucheb. zhurn. no. 10, 137-158, 1967.
- IRON HYDROXIDES**  
Effect of freezing on sorption characteristics of iron hydroxide and manganese dioxide. V. V. Vol'khin. Zhur. prikl. khim. 34 no. 6, 124-125, 1961.  
Effect of freezing on the properties of metal hydroxide aggregates. Part 1: Effect of electrolysis on the sorption of particles of iron hydroxide and on the sorption of iron with quaternary ammonium salts. V. V. Vol'khin. Koll. zhurn. no. 1, 176-180, 1961.
- IRON INDUSTRY** see subdivision under Industry
- IRON INDUSTRY—MANAGEMENT**  
(see also subdivision under Aptyubinsk)  
Metallurgical exchange: the experience in the new system of management. Selsk. khoz. no. 1, 110, 1967.  
Objectives in planning in the iron and steel industry. Stal' 22 no. 5, 389-398, 1962.
- IRON INDUSTRY—PROBLEMS, EXERCISES, LITERATURE**  
Veseloy, N. G., and others. Collection of problems and exercises in the economics of the ferrous metal industry of the U.S.S.R. [Sbornik zadach po ekonomike ferrometallurgii SSSR.] Sverdlovsk, Izd. UPI, 1966, 33 p.
- IRON ISOTOPES**  
Radiochemical purification of 55Fe isotopes. A. A. Mikhodits, A. I. Samonov-Vel'kova. Radiokhimiya no. 6, 712-714, 1966.
- IRON METALLOIDS**  
Effect of ionizing radiation on the content of easily separable iron in the blood serum. O. N. Ilyukhin. Med. rad. no. 10, 67-68, 1967.
- IRON MINES AND MINING** see subdivision under Mines, Iron
- IRON MINES AND MINING—EQUIPMENT AND SUPPLIES**  
(see also subdivision under Keles, Kazakhstan, Kazakhstan)  
Bashin
- IRON-NICKEL-ALUMINUM ALLOYS—MAGNETIC PROPERTIES**  
Effect of aluminum on structure and properties of iron-nickel alloys. I. A. M. Doygalevskiy, N. I. Mikhodits, P. V. Povolotskiy. Izv. vuz. ucheb. zhurn. no. 10, 138-141, 1967.
- IRON-NICKEL-TITANIUM ALLOYS—MAGNETIC PROPERTIES**  
Effect of plastic deformation on physical properties of iron-nickel-titanium alloy with titanium. A. I. Ilyukhin, V. I. Zubov. Fiz. met. i metalloved. 22 no. 6, 833-838, 1966.
- IRON ORES**  
(see also subdivision under Azov Sea region; Donetsk Lowland; Kazakhstan; Krivoy Rog Basin, Ukraine, Western)  
Iron quarries of Western Byelorussia and prospects for their development. I. K. Bazhenov. Trudy Ikh. no. 3, 10-16, 1963.
- IRON ORES—ANALYSIS** see subdivision under Analysis, Iron
- IRON ORES—ELECTRIC PROPERTIES**  
Studying the electric conductivity of shungite and their components. A. N. Poldvinov, I. I. Ilyukhin, I. P. Verman. Izv. vuz. ucheb. zhurn. no. 10, 170-173, 1967.
- IRON ORES—SAMPLING AND ESTIMATION** see subdivision under Sampling and Estimation, Iron
- IRON OXIDES**  
Interaction of iron oxides with sepiolite in chondrites under effect of heating. N. V. Fedorovskiy, A. I. Belikov. Ogneupory 31 no. 12, 23-28, 1966.  
Nonaffiliated compounds as auxiliary adsorbents in the flotation of iron oxides. F. N. Belanov, O. V. Puzos, I. K. Getmannik. Trudy NIISZHMSSA no. 2, 160-161, 1961.
- IRON PLATING**  
Maximum rated current in the electrodeposition of iron. N. T. Kudryavtsev, N. I. Mikhodits, M. I. Ilyukhin. Zhur. prikl. khim. 34 no. 6, 1201-1207, 1961.  
Rebuilding of worn components using a solid metal plating method. P. I. Mirzashvili. Izv. i tekh. 10, 24-25, 1966.
- IRON PYROPHOSPHATES**  
Kinetic method of studying pyrophosphate complexes of iron (III). Z. A. Sheku, I. P. Andrusenko, I. A. Puzos. Zhur. neorg. khim. 12 no. 1, 74-80, 1967.



## IRON SILICATES

(see also subdivision under Kiremtchug region)

Absorption activity and porous structure of coprecipitated gels of silicic acid and iron hydroxide. G. A. Popkovich, I. I. Emel'enko. Dokl. AN SSSR 10 no. 11 861-868 '66

## IRON-SILICON ALLOYS—MAGNETIC PROPERTIES

Studying the law of approximation to magnetization saturation of iron and iron-silicon alloys. B. P. Khomov. Izv. metal. i metalloved. 22 no. 6 833-838 D '66

## IRON-SILICON ALLOYS—METALLOGRAPHY

Microscopy and X-ray spectroscopy of silicon carbide eutectics in Fe-C-Si alloys. H. N. Taim and others. Izv. AN SSSR Met., no. 1 162-169 Jan '67

## IRON SULFATE

Electrochemical behavior of iron in sulfuric acid solutions. I. A. D. Zimer, A. L. Rotunin. Elektrokhemija 2 no. 12 1371-1382 D '66

## IRON SULFIDES

Interaction between ferrites of cobalt, nickel, and iron and iron sulfide. M. M. Zvyahlov, V. I. Smirnov. Dokl. AN SSSR 172 no. 1 149-152 Ja '67

## IRON-TITANIUM ALLOYS—ELECTROMETALLURGY

Materials balance of ferrotitanium smelting. P. I. Smerzhko, Stal' 22 no. 5 127-128 M '62

## IRON-TITANIUM ALLOYS—METALLURGY

Studying the viscosity of slag from the aluminothermic smelting of ferrotitanium. S. I. Suchinikov, IU 1 Plinei. Stal' 21 no. 11 999-1000 N '61

## IRON, EFFECT OF TEMPERATURE ON

Temperature dependence of iron's resistance to deformation and the mobility of dislocations. G. A. Brusilov, V. I. Saniak, R. I. Entin. Dokl. AN SSSR 167 no. 2 322-325 M '66

## IRONWORKS see Iron and steel plants

## IRREVERSIBLE PROCESSES

Qualitative methods for constructing models of continua with irreversible processes in the special theory of elasticity. V. I. Baiduchevskii. Prikl. mat. i mekh. 30 no. 6 1081-1086 N-D '66

## IRRIGATION

(see also subdivision under Bulgaria, Golodnaya Steppe; Hungary; India, Kullunda Steppe, Yakulia)

"Dialactes" of the water cycle. I. Iushinov. Mol. korm., no. 10 91-99 '66

Honorary title for meliorators. V. Zhuravko. Gid. i mel. 19 no. 1 125-126 Ja '67

Selecting level regulator for water outlets of a subsurface irrigation network. M. Salimov. Tekh. v sel'khoz., 26 no. 12 27-30 D '66

Sell characteristics and methods of irrigation. P. Shleimovich. Zemledelo 29 no. 1 36-37 Ja '67

Successful year of meliorative construction. I. I. Alekseyevskii. Gid. i mel. 19 no. 1 1-14 Ja '67

Teleautomatic control of irrigation systems. Sh. A. Samad-Zade. Izv. AN Azerb. SSR Ser. fiz.-mat. i tekhn. nauk no. 5 77-82 '62

Use of holes for retaining the water from melting snow. D. Glebov, M. Kurnetsova. Tekh. v sel'khoz. 21 no. 12 6-11 D '61

Using movable siphon staves in mechanized irrigation. A. I. Sokolov. Gid. i mel. 14 no. 5 38-10 M '62

What will happen to our internal seas? Caspian and Aral Seas and irrigation problems. V. N. Kuntin. Priroda no. 1 36-46 Ja '67

## IRRIGATION—CONGRESSES

Session of the Academy of Sciences of the U.S.S.R. on problems of melioration. V. G. Kocherzhevskii. Vest. sel'khoz. nauki 11 no. 11 137-139 '66

## IRRIGATION—EQUIPMENT AND SUPPLIES

Large water supply and machinery. D. Mersin. Tekh. v sel'khoz. 27 no. 1 20-32 '67

## IRRIGATION CANALS AND FLUMES

(see also subdivision under Golodnaya Steppe; Uzbekistan)

Efficient method of thermal treatment in the manufacture of reinforced concrete flumes. P. G. Silchenko and others. Gid. i mel. 19 no. 1 55-63 Ja '67

## IRRIGATION CANALS AND FLUMES—DESIGN AND CONSTRUCTION see subdivision under Kirghizistan

## IRRIGATION CANALS AND FLUMES—LININGS

Protection of irrigation canals against seepage by methods of colloid chemistry. A. K. Miskari and others. Trudy Inst. khim. AN Azerb. SSR 20:193-216 '64

## IRRIGATION FARMING

(see also subdivision under Rostov Province; Soviet Central Asia)  
Overall mechanization of growing and harvesting vegetables on irrigated soils. N. Lobedev. Tekh. v sel'khoz. 27 no. 1 4-8 '67

## IRTYSH-CENTRAL KAZAKHSTAN CANAL see Irtysh-Karaga Canal

## IRTYSH-KARAGANDA CANAL

Use of similitude method for correcting charges in pin-point blasting. E. I. Shifan. Vopr. delo no. 6/81 1-160 '66

## IRTYSHSK (KAZAKHSTAN)—NONFERROUS METAL INDUSTRIES—MANAGEMENT

Profits in the first place. V. Ulianov, P. Smirnov, A. Malyev. Nauch. Razv. Kazakh 21 no. 1 1-18-22 N '66

## IRTYSHSK DISTRICT—NONFERROUS METAL INDUSTRIES—SCHEDULING

New oil planning in a mine. Nar. khoz. Kazakh. 21 no. 11 70 N '66

## ISLAM—CONTROVERSIAL LITERATURE

Klimovich, L. L. [Knowledge vanishes, some problems in the criticism of Islam]. Znanie pobezhdet, nekotorye voprosy kultury Islama. Moskva, Znanie, 1967, 61 p. (Novoe v zhizni, nauke, tekhnike, XII Seriya Estestvo-znanie i religii, no. 2)

## ISLAMIC STUDIES

Batol'd, V. V. [Works]. Sochineniia. Moskva, Nauka, Vol. 6. [Studies in the history of Islam and the Arabian Caliphate]. Raboty po istorii Islama i Arab-skogo khalifata, 1966, 784 p.

## ISOBARS, NUCLEAR

Energies of isobaric and isotopic transitions and new nuclear mass formula. N. N. Kolesnikov. Vest. Mosk. un. Ser. 3: Fiz., khim. 21 no. 6 76-87 N-D '66  
Structure of isobaric analog states in heavy nuclei. D. I. Zhuravskii, M. G. Uzun. Pis'ma v zh. ekspt. i teoret. fiz. 1 no. 9 379-381 N '66

## ISOBUTYL ALCOHOL

Making industrial isobutyl and isobutyl alcohol from fuel oil. V. B. Sukhodol, P. A. Chatskii. Spirt, prom. 28 no. 3 35-38 '62

## ISOBUTYRIC ACID

Hexafluoroisobutyl fluoride and nitrogen oxides. I. A. Chabankov, N. Mukhammadiev, I. L. Krunants. Izv. AN SSSR, Ser. khim. no. 12 2110-2122 '66

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 7. Hexafluoroisobutyl acid fluoride and sulfuric and sulfurous acid chlorides. I. A. Chabankov, N. Mukhammadiev, I. L. Krunants. Izv. AN SSSR, Ser. khim. no. 12 2115-2119 '66

## ISOCYANIC ACID—OPTICAL PROPERTIES

Optically active  $\alpha$ -phenyl ethyl isocyanate. I. P. Tolentev, R. I. Gracheva, V. I. Ierizhko. Dokl. AN SSSR 172 no. 3 622-624 Ja '67

## ISOCYANURIC ACID

Use of triethylisocyanurate in the saturation compounds for lavsan. N. V. Belanova and others. Kauch. i rez. 26 no. 1 33-35 '67

## ISOMERISM

Rotational isomerism in solutions and the mechanism of depression action. M. L. Shakhmatov. Dokl. AN SSSR 167 no. 2 488-489 M '66

Solubility of isomeric platelaminates in water. A. I. Grinberg, A. I. Dobobolskii, Zhuravskii, Khim. 12 no. 1 276-277 Ja '67

Tautomerism and geometrical isomerism of nitrogen-containing derivatives of carbonyl compounds. Report No. 11: Dipole moments and structure of phenylhydrazones of some aldehydes and ketones. Izv. AN SSSR, Ser. khim. no. 12 2066-2099 '66

## ISOMERIZATION

Isomerization of 2,1-dimethyl-2-hepten-6-yn-4-ol and (11,11,51-trimethyl-51-cyclohexen-51-yl)-3-methyl-1-hexen-5-yn-3-ol. K. N. Anisimov, N. F. Kulobova, G. K. Magomedov. Izv. AN SSSR, Ser. khim. no. 12 212-214 Ja '67

Isomerization of 3-carene with acid catalysts. I. I. Baidyshev and others. Dokl. AN SSSR 10 no. 11 873-876 N '66

Kinetics of structural isomerization of the adduct of reaction of 5-methylcyclopentadiene with maleic anhydride. V. A. Mironov and others. Izv. AN SSSR, Ser. khim. no. 12 2213-2215 '66

Synthesis and isomerization of alkylthioethers. E. N. P. Ileshaeva and others. Izv. AN SSSR, Ser. khim. no. 12 2223-2225 '66

## ISOMERS

Separation of nuclear isomers of xenon 133. V. D. Nefedov and others. Radiokhimiia no. 6 714-716 '66

## ISOMERS—OPTICAL PROPERTIES

Composition and optical rotation of products yielded by catalytic conversion of 1-methanol. E. I. Klubnovskii, L. F. Gudonova, A. A. Balandina. Khim. i kat. 7 no. 6 1020-1024 N-D '66

## ISOMORPHISM (CRYSTALLOGRAPHY) (see also subdivision under Yakulia)

Discussion on boron isomorphism in silicates. V. I. Lebedev. Geokhimiia no. 10 917-911 '61

New concepts on isomorphous substitutions. N. V. Belov, G. P. Lavinskii. Vest. Mosk. un. Ser. 4 Geol. 21 no. 6 17-27 N-D '66

Specific character of the isomorphism entering of trace elements, of boron in particular, into foreign lattices. N. V. Belov. Geokhimiia no. 10 942-943 '61

Terms and definitions in problems of isomorphism, from commission on nomenclature problems or symposium on problems of isomorphism. Zap. Vses. mu. ob-va 95 no. 6 773-771 '66

## ISOMORPHISM (MATHEMATICS)

Isomorphisms of semigroups of endomorphisms of modules. A. V. Mikhlin. Alg. i log. 5 no. 3 59-67 '66

## ISONICOTINIC ACID

For analysis chemical detection of tubazid. I. A. Z. Iliasov. Sud.-med. ekspert. 9 no. 1 13-15 O D '66

## ISOPENTYL ALCOHOL

Making industrial isopentyl and isobutyl alcohol from fuel oil. V. P. Sukhodol, P. A. Chatskii. Spirt, prom. 28 no. 3 35-38 '62

## ISOPERIMETRICAL PROBLEMS see Calculus of variations

## ISOTOPE EXCHANGE

Hydrogen isotope exchange reaction of alkyl-substituted acetone diacyl; manganese tetracarboxylates in acid media. A. N. Nesmerinov and others. Izv. AN SSSR, Ser. khim. no. 1 30-33 Ja '67

Isotope exchange of cyclohexane with deuterium over spinny metal catalysts. A. A. Balandina, B. S. Gudkov, R. M. Fedorovich. Izv. AN SSSR, Ser. khim. no. 1 38-41 Ja '67

Mobility of hydrogen atoms in methyl group of methyl ketones of the n-alkane series. N. V. Kishitkov, V. N. Setkina, D. N. Kiselev. Izv. AN SSSR, Ser. khim. no. 1 31-38 Ja '67

Possibility of studying homogeneous isotope exchange without separation of components. A. Gosman, F. A. Soldatov. Dokl. AN SSSR 167 no. 2 373-375 M '66

Using chromatography in studying sulfur isotope exchange in sulfur organic compounds. V. S. Danchenko, N. F. Boisenko. Izv. vyz. ucheb. zav.; nauch. i gaz. 9 no. 6 54-56 '66

## ISOTOPES

Energies of isobaric and isotopic transitions and new nuclear mass formula. N. N. Kolesnikov. Vest. Mosk. un. Ser. 3: Fiz., khim. 21 no. 6 76-87 N-D '66

## ISOTOPES—DECAY

Baz', A. I., I. A. B. Zol'dovitch, and A. M. Perelomov. [Scattering, reactions, and decays in nonrelativistic quantum mechanics] Rasseyaniie, reaktsii i raspady v nerelativistskoi kvantovoi mekhanike. Moskva, Nauka, 1966, 339 p.

Transition probabilities between 5/2<sup>+</sup> [532] and 3/2<sup>+</sup> [411] states in <sup>152</sup>Th, <sup>157</sup>Th, <sup>159</sup>Th, and <sup>159</sup>U nuclei. A. Kokes, J. Zvolisky. Izv. AN SSSR, Ser. fiz. 31 no. 1: 133-145 Ja '67

## ISRAEL—LABOR AND LABORING CLASSES

Structure and the condition of the laboring class of Israel. I. Gornanski. Vest. LGU 21 no. 23 50-57 '66

## ISSYKUL—NAVIGATION

Polinkova, I. P. [Those who look ahead] Vperedsmotriashchie. Frunze, "Kyrgyzstan," 1964, 32 p. (Uchit'sia rabotat' i zhit' po-kommunisticheski)

## ISSYKUL' REGION—PALEOBOTANY, STRATIGRAPHY

Gonkina, R. Z. [Fossil flora and stratigraphy of Lower Mesozoic sediments of the Issyk-Kul' Basin (northern Kirghizistan)] Ispokremnia flora i stratigrafiia nizhnio-mezozoiskikh otlozhenii Issyk-Kul'skoi vpadiny (Severnaya Kirgizia). Moskva, Nauka, 1966, 147 p., illus.

## ISTANBUL—DESCRIPTION AND TRAVEL

A city on seven hills, travel notes. Radli Fish. Nov. vrem. 25 no. 7 28-29 F '67

## ISTRA DISTRICT—MILKING

Practice in organizing a two-shift work schedule for milkers. N. A. Baranova. Doki i sob. VNIISKH no. 28 31-37 '65

## ITACONIC ACID

Biochemical method of producing itaconic acid. R. Karakins and others. Trudy VIKNI no. 17 144-153 '66

## ITALY—COMMERCE

Notes on trade in Italy. G. Liubosh. Sov. torg. 40 no. 2 48-51 F '67

## ITALY—COMMUNIST YOUTH

The highest instance. Gianfranco Battolo. Mol komm. no 4 18-20 '66

## ITALY—FOREIGN ECONOMIC RELATIONS—RUSSIA

Great prospects. Vnesheorg. 46 no 11 53 '66

## ITALY—FOREIGN RELATIONS—RUSSIA

Italy, the Soviet Union, and Europe. Italian press reviews. B. Raikhi. Nov. vrem. 25 no 5 3 4 Ja '67

## ITALY—LABOR AND LABORING CLASSES

Stormy years: the labor movement. Anna Accornero. Nov. vrem. 25 no 9 16-18 F '67

## ITALY—ORIENTAL STUDIES

Oriental studies in "Eternal City." N. Pignlevskaya. Palest. sbor. no 15-247-249 '66.

## ITALY—RENAISSANCE

[The Italian Renaissance] Ital'ianskoe Vozrozhdenie; sbornik statei [Leningrad] Izd-vo Leningr. univ. 1966. 140 p.

## ITALY—STRIKES AND LOCKOUTS

Stormy years, the labor movement. Anna Accornero. Nov. vrem. 25 no 9 16-18 F '67.

## IURSKII, V.

Once more about the 17th century Russian scientist, V. Iur'skii. A. M. Khelima. Probl. endok. i gorm. 8 no 6 104-105 N-D '62.

Once more about V. Iur'skii's (17th century) dissertation and the controversial opinions about it. P. E. Zabludovskii. Probl. endok. i gorm. 8 no 6 105-108 N-D '62

## IUSUPOVA, SARADZHON MIKHAILOVNA, 1910-1966

In memory of S. M. Iusupova. Zap. Vses. min. obshch. 55 no 6 768-770 '66.

## IVAN'KOVO RESERVOIR see Volga Reservoir

## IVANO-FRANKOVSK PROVINCE—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

We're improving work with propagandists. M. Golubov. Komm. Urz. 36 no 9-82-85 S '60.

## IVANOV PROVINCE—SHEEP BREEDS

The breeding of Romanian sheep is advantageous. Z. Dobrotvorskaia, Z. Chepurnova. Inf. ml. biol. VDNKH no 126 Ja '67

## IZMAYLOVO OIL FIELD—PETROLEUM GEOLOGY

Shifting of gas-oil pool in Izmaylovo field. P. I. Pas'ko. Geol. nefit i gaza. 10 no 12 30-33 D '66

## IZMENNYI PENINSULA—GEOLOGY, STRATIGRAPHIC

Two geological finds in the environs of Petropavlovsk-Kamchatskiy. I. F. Moroz. Vop. geog. Kamch. no. 1 '63 '65.

## JACQUARD WEAVING

Perkin, I. D., and K. V. Panov. [Production of drapery tuile on the multishuttle drapery machine] Proizvodstvo gardinogo tula na gardinnoi mnogochnozhnoi mashine. Moskva, Legk. i. industrii, 1956. 197 p.

## JACQUARD WEAVING—EQUIPMENT AND SUPPLIES

Automatic programming in Jacquard weaving. E. I. Gatsyker, I. A. M. Rcharbat, E. I. A. Lotvizon, Nauch.-issl. trudy TSNILV 21:127-149 '66.

Experimental testing of the photoelectric head for automatic programming in Jacquard weaving. I. A. M. Rcharbat, Nauch.-issl. trudy TSNILV 21:120-127 '66.

## JAGATAIC LANGUAGE—SYNTAX

Complex sentences in "Mukhokamatul-lugatain" by Alisher Navoi. A. I. Abrazheev. Trudy UzGU 55:151-168 '59

## JAMAICA—POLITICS AND GOVERNMENT

Jamaica. Agitation no. 17-21 S '62

## JAPAN—ANTHROPOLOGY

The ethnic anthropology of Japan. M. G. Lavin. Sov. etn. no. 2 63-75 Mr-Apr '61.

## JAPAN—DESCRIPTION AND TRAVEL

Japanese notes. N. Fedorenko. Nov. ml' 42 no. 7 162-166 Ji '68

## JAPAN—ELECTIONS

Elections in Japan. D. Petrov. Nov. vrem. 25 no. 6:10 F '67.

## JAPAN—POLITICS AND GOVERNMENT

Elections in Japan. D. Petrov. Nov. vrem. 25 no. 6:10 F '67.

## JAPAN—PUBLISHERS AND PUBLISHING

History of the development and the present situation of book publishing in Japan. V. S. Grivnin. Kniga, issl. i mat. 4:287-314 '61.

## JAPAN—RICE

[Cultivation practices, breeding, and seed production of rice in Japan, report of the Soviet agricultural delegation] Agrotekhnika, selektsiya i sel'skokhozyaistvennoi delegatsii Moskva, 1965 38 p. (Sel'skokhozyaistvennaya nauka i prikladnaya tekhnika, 13) (DNAL)

## JAPAN—SEWING MACHINES

Portable machines for sewing-up sacks manufactured by the "New-Long" Firm, Japan. I. I. Gromin. Zakup. sel'khoz. mach. no 12-52 D '66.

## JAPAN—SOCIALIST PARTY

A journey into socialism. E. Vorob'ev. Nov. vrem. 25 no. 7 7-8 F '67

## JAPAN SEA—CLIMATE

Practice in applying dispersion analysis for determining necessary amount of observations from ships in evaluating reliability of climatic characteristics. V. V. Filippov, A. S. Kagan'skii. Trudy NIIM no 36 3-20 '66

## JAPAN SEA—MARINE FAUNA

[Explorations of the Far Eastern seas of the U.S.S.R.] Issledovaniia dal'nevostochnykh morya SSSR. Leningrad, Izd-vo Akad. nauk SSSR, 1941-1962. 8 v. (OrCS)

## JAPAN SEA—MARINE SEDIMENTS

Effect of suspension flows on recent sediments of Sea of Japan. V. I. Chaitnikov. Dokl. AN SSSR 172 no. 3 664-667 Ja '67.

## JAPAN SEA—PRECIPITATION (METEOROLOGY)

Atmospheric precipitation in various regions of Sea of Japan. B. A. Buzman. Trudy NIIM no. 36-61-63 '66

## JAPAN SEA—VISIBILITY

Horizontal visibility over Sea of Japan. A. N. Shekhtman. Trudy NIIM no 36 49-63 '66.

## JAPANESE STUDIES

Edo-enko, N. T. [Japanese notes] Japansk. zapiski. Moskva, Sovetskii pisatel', 1966 412 p.

## JASPERS, KARL, 1883-

Existentialist glorification of imperialist reaction. V. D. Isachenko. Trudy lik. un. 38 no. 4-61-97 '66.

## JAUNDICE

Clinical variations of jaundice in some diseases of the blood system. I. U. G. Miterov, A. I. Khar'yanov. Probl. gemat. i peret. krovi 12 no 1, 27-31 Ja '67.

Postoperative jaundice associated with the use of cadaver blood. G. A. Fafonov, E. A. Smirnova. Khirurgia 42 no 12 66-70 D '66.

## JAWS—NECROSIS

Stable recovery from cancer of the tongue complicated by radiation necrosis of the mandible. V. V. Apulnichenko. Med. rad. 12 no 1 31-35 Ja '67.

## JENOVAN'S WITNESSES

(see also subdivision under Irkutsk Province)  
Time-serving position of the present-day Jenovani's Witnesses. B. N. Krzhivitskiy. Pyt. otet. no. 1 30-36 '65

## JERUSALEM ARTICHOKES

Jerusalem artichoke, a cheap food for cattle. I. S. Zagorodnyi. Priroda no. 1:80-83 Ja '67.

## JET APPARATUS

Calculating throttle characteristics of a gas ejector at negative ejection coefficients. I. U. N. Vasil'ev. Lop. mash. i struin. app. no. 1:250-258 '66.

Experimental investigation of a three-jet gas ejector. I. U. N. Vasil'ev, I. U. A. Zhuravlev, V. A. Konotop. Lop. mash. i struin. app. no. 1:217-234 '66.

Possibility for increasing the efficiency of a stage of gas ejector. V. S. Baikov, I. U. N. Vasil'ev. Lop. mash. i struin. app. no. 1:235-240 '66.

## JET BORING

Cutting rocks with pneumatic thermal cutters. I. P. Gol'daev and others. Mekh. stol. 23 no. 12:12-13 D '66.

High-frequency equipment in mining. E. I. Arsh. Gor. elektromekh. i avtom. no. 1:39-51 '65.

## JET BORING—EQUIPMENT AND SUPPLIES

Influence of fuel consumption on the efficiency of boring with single-nozzle burners. A. V. Brichkin, I. M. Sondukov. Izv. vys. ucheb. zav. i gor. zhur. 8 no. 9: 51-55 '65.

Theoretical studies on gas parameters in oxygen-kerosene torches slated for thermal piercing of hard rocks. I. P. Gol'daev. Izv. vys. ucheb. zav. i gor. zhur. 8 no. 9: 60-67 '65.

## JET PLANES

Firstlings of jet-plane engineering. A. Ponomarev. Av. i kosm. no. 2:17-19 F '67.

The new 100-seated Tu-104A. L. Izrael'skii. Av. i kosm. 19 no 2-20 F '62.

Seven volumes of comments. G. A. Zhdanov. 19 no 2-12-13 F '62.

## JET PUMPS

Advantages of water jet pumps. V. Baisidich. Gor. i transp. 20 no 7-11 D '61.

## JET STREAM

Distribution of general content of ozone in jet stream. V. F. Vashin, V. I. Vorob'ev. Trudy GGO no. 1:1-13 '66

## JETS—FLUID DYNAMICS

Aerodynamic characteristics of annular jets flowing in a screen. V. I. Khanzhonkov. Prom. aerodin. no. 27 115-119 '66

Continuous symmetrical free jet flow about a plate. M. I. Khmelnik. Prom. aerodin. no. 27 119-121 '66

Effect of the initial flow turbulence on the characteristics of an axisymmetric submerged jet. A. S. Ginevskii, K. A. Pochkina. Inzh. fiz. zhur. 12 no 1:15-19 '67

Flow of a free jet with finite width about a cylindrical body. M. I. Khmelnik. Prom. aerodin. no. 27 121-123 '66

Method of integral relations in the theory of turbulent flows. A. S. Ginevskii. Prom. aerodin. no. 27 123-125 '66

Potential flows beyond the turbulent area of plane and axisymmetric jets. A. S. Ginevskii. Prom. aerodin. no. 27 125-127 '66

Propagation of a fan-shaped jet in a limited space. I. I. Tanopol'skii. Inzh. fiz. zhur. 12 no 1:20-25 '67

Some problems pertaining to the disintegration of a submerged jet. V. I. Bril'. Zap. IGI 13 no 1:105-106 '64

Some results of the measurements of speed jets at the initial area of an axisymmetric jet. I. I. Bril'. Prom. aerodin. no. 27 111-120 '66.

## JEWELRY, ANCIENT

Invisible holding in the work of jewelers of the ancient world. I. A. Mshakov. Trudy ANKHN no. 2:1-12 '62.

## JEWISH CALENDAR see Calendar, Jewish

## JOHN'S DISEASE

New variation of antigen and the accelerated test. I. I. Mironov. Dokl. AN SSSR 172 no. 3 664-667 Ja '67.

## JOINTS

Methodology for graphic recording of muscular activity sensitivity. I. A. Dmitriyev. Prirod. zhm. 52 no. 12 1486-1487 D '66.

## JOINTS—DISEASES

[Orthopedics; pathology of the joints] Ortopediya, patologiya sushlavov. Kiev, Zdrav'ia, 1966. 204 p. (DNLM)

X-ray diagnosis of chondromatosis of joints. I. I. K. B. Polukhinova, Z. D. D. Khar'yanova. Av. i kosm. 19 no. 12 15-20 D '66.

## JOINTS (ENGINEERING)

Airtightness of the sealed joints of casing. V. I. Stetsko, Z. I. Fedorenko. Nef. khim. 45 no. 1:31-36 Ja '66

Determining load ratios in calculating bolted joints. A. F. Dubrovnik. Vest. mashinost. 17 no. 1:14-15 Ja '67.

Flexible unwelded joints of elements. Inf. ml. biol. VDNKH no 12:22 D '66.

Improved junctions and joints in large-panel houses. Series 1-335. D. Lykov, V. Solovyanov. Nauch. i tekhn. izv. no. 1:29 Ag '63

A simplified system for making fitting assemblies in mine workings. M. I. Dolzhitskii, B. A. Vashin. V. D. Popov. Shkhit. stroit. 10 no. 12:23-14 D '67

Static strength of a dovetail anchor joint. V. N. Al'p'ov. Proch. i din. av. divig. no. 3:164-170 '66.

## JOINTS (GEOLOGY) see subdivision under Donets Basin; Ulyanovka region (Ukraine)

## JORDAN—COMMUNIST PARTY

Always with our people and at the forefront of their. Fued Nassar. Vop. ist. KPSS 11 no. 2:15-24 F '62

## JORDAN—FOREIGN RELATIONS

More trouble in Jordan. M. Kremnev. Nov. vrem. 25 no. 10:17 Mr '67.

## JORDAN—POLITICS AND GOVERNMENT

Always with our people and at the forefront of their. Fued Nassar. Vop. ist. KPSS 11 no. 2:15-24 F '62.

## JOURNALISM

A conference on the methodology of teaching the theory and practice of the party and soviet press. B. A. Vashin. Nov. Vest. Mosk. un. Ser. 1: Zhur. 21 no. 6:61-63 D '66.

## JOURNALISM (Continued)

Devoted to the 50th anniversary of the Soviet regime  
Vest Mosk.un Sci. II Zhur. 21 no. 6, 90 N-D '66  
Izvestiya Vest Mosk.un Sci. II Zhur. 21 no. 6 91-  
94 N-D '66

**LURKE, A. I.** [Establishing the Soviet party press, October 1917-1918] Stanovlenie partino-sovetskoy pressy, ed. Ibr. 1917-1918 gg. [Saralov] Izd-vo Saralovskogo univ., 1965. 63 p.  
(NIC)

Our writings should be specific and convincing (M. Gorkin on the role of letters in journalism) V D. P. P. Vest Mosk.un Sci. II Zhur. 21 no. 6 3-17 N-D '66

## JOURNALESM—SOCIAL ASPECTS

The press and public opinion, P. I. Pionin, Vest Mosk.un Sci. II Zhur. 21 no. 6 9-19 N-D '66.  
Role of the press in the economic education of the masses, does an "average reader" exist? P. V. Kozlovskiy, Vest Mosk.un Sci. II Zhur. 21 no. 6 19-31 N-D '66

## JUDGES

Providing members of the court, N. Radutnaya, Sov. iust. 30 no. 21 15-16 D '66.  
A veteran of Soviet justice tells his story, M. Sverdlov, Sots. zakon, no. 16-17 D '67

## JUDGE S—EDUCATION AND TRAINING

Training on young judges, A. Kuznetsova, M. Cherenykh, Sots. iust. 30 no. 21 22-23 D '66.

## JUDICIAL ERROR

Negligent investigators, M. Klatov, Sots. zakon, 38 no. 2 50-60 D '66.

## JUMPING

Hotel jumper suit, M. S. Iukin, Teor. i prakt. fiz. kult., 24 no. 1 55-57 D '66.

## JUMPING PLANT LK: see subdivision under Tajikistan

## JUNCTION TRANSISTORS

Applying the theory of similitude to the electronic processes in p-n-junctions, V. S. Chetepanov, K. M. Kul'bin, Izv. vuzov. radiofiz., 9 no. 6 10-14 '66

Effect of X-rays and electron irradiation on p-n-junctions of gallium arsenide, M. A. Kiyova, S. V. Malinova, Izv. vuzov. radiofiz., 9 no. 6 119-126 '66.

Effect of X-rays on the electrophysical properties of silicon and its p-n-junctions, Part I, M. A. Kiyova, G. I. Podkhanov, Izv. vuzov. radiofiz., 9 no. 6 155-61 '66.

Negative differential resistance and induction effects in silicon carbide, L. I. Arlovich, Sh. A. Minogatov, V. V. Morozkin, Fiz. tverd. tel. 8 no. 11 3373-3374 '66

Spontaneous radiative recombination in InP p-n-junctions in case of weak currents, P. G. Eliseev and others, Fiz. tverd. tela 8 no. 11 3383-3386 N '66

## JUSTICE, ADMINISTRATION OF see subdivision under Poland

## JUVENILE DELINQUENCY

Characterization of the public prosecutors' supervision of the parental investigation of criminal offences committed by minors, A. Kozhevnikov, N. Gukovskiy, Sots. zakon, no. 2 10-12 D '67.

Juvenile delinquents, M. Gerasimov, Nar. obr., 1944-87 1a '67.

**Shabatlu, A.** [Twenty years of my life; notes of a wall] "Dvadtsat' let moei zhizni; zapiski bespi izornogo. London, Pigeon Press, 1965. 61 p.  
(NIC)

Sociopsychological study of the groups of "tough" teenagers, L. G. Sagatovskaya, Vop. psich. prest., no. 4 139-140 '66.

We should relentlessly struggle against drawing the minors into delinquency, N. Gukov, V. Klovov, Sots. zakon, no. 2 28-29 D '67.

## KABARDINO-BALKAR A.S.S.R.—AGRICULTURE

The development of agriculture in the Kabardino-Balkar A.S.S.R. during the seven-year plan, 1959-1965, A. T. Kaidanov, Uch. zap. Kab.-Balk. gos. un., no. 27 107-137 '65

## KABARDINO-BALKAR A.S.S.R.—AGRICULTURE—ECONOMIC ASPECTS

Efforts of the party organizations of the Kabardino-Balkar A.S.S.R. to improve the forms of the remuneration of collective farmers, Sh. A. Shklyagovskiy, Uch. zap. Kab.-Balk. gos. un., no. 27 138-185 '65.

## KABARDINO-BALKAR A.S.S.R.—COMMON LAW

History of studying the unwritten law of the Balkars, K. G. Azamatov, Uch. zap. Kab.-Balk. gos. un., no. 27 15-43 '65.

## KABARDINO-BALKAR A.S.S.R.—CORN (MAIZE)

Two legends about the ancient village of Argudan, O. Spasakli, Mol. komm., no. 6 76-82 Ja '61.

## KABARDINO-BALKAR A.S.S.R.—EDUCATION, HIGHER

Higher education in the Kabardino-Balkar A.S.S.R., Kh. M. Berbekov, Uch. zap. Kab.-Balk. gos. un., no. 27 3-21 '65

## KABARDINO-BALKAR A.S.S.R.—HISTORY

Socioeconomic and political system of the Balkars in the 18th century, N. Kh. Tkhamukov, Uch. zap. Kab.-Balk. gos. un., no. 27 22-31 '65

## KABARDINO-BALKAR A.S.S.R.—SUNFLOWER SEED

Donors for the sunflower, G. Naurzatov, Zakup. sel'khoz prod. no. 6 23-25 Ag '66.

## KABARDINO-BALKAR A.S.S.R.—WOMEN

**Kesheva, E. T., and T. P. Efendiyeva.** [The daughters of a mountainous land, on the women of Kabardino-Balkar in the 19th century, o zhenshestvenkh Kabardino-Balkarii. Nal'chik, Kabardino-Balkarskoe knizhnoe izd-vo, 1965. 129 p.  
(NIC)

## KABARDINO-BALKAR A.S.S.R.—WORLD WAR, 1939-1945

Komsomol sportsmen of the Kabardino-Balkar A.S.S.R. during the Great Patriotic War, 1941-1945, V. A. Apakov, Uch. zap. Kab.-Balk. gos. un., no. 27 227-244 '65

## KACHKANAR (SVERDLOVSK PROVINCE)—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

Positive use of high-duty mechanisms in the construction of the Kuchkanar Combine, U. Bulatov, Na stroi, 104, 4 no. 7 7-8 Ji '63

## KACHKANAR MOUNTAIN—IRON ORES—ANALYSIS

Methods of determining volume weight of iron concentrate at the DOP reclamation plant storage area, P. P. Baskan, A. N. Ivchenko, Izv. vuz. ucheb. zav., gos. zhur., 8 no. 10 17-51 '65.

## KADZHARAN REGION (ARMENIA)—MOLYBDENITE

Content of rhenium in the molybdenites of the Kadzharan copper-molybdenum deposit, V. N. Gorkhova, Trudy IMGBI no. 4 28-32 '66

## KADZHARAN REGION (ARMENIA)—RHENIUM

Content of rhenium in the molybdenites of the Kadzharan copper-molybdenum deposit, V. N. Gorkhova, Trudy IMGBI no. 4 28-32 '66

## KAFAN DISTRICT—SULFIDES

Role of thionic bacteria in oxidation of sulfide ores of Kafan deposits, G. I. Kornyenko, Mla obologiya 35 no. 6 1001-1011 N-D '66.

## KAHLE, PAUL ERNST, 1875-1964

In memory of Paul Ernst Kahle, K. B. Starkova, Palest. shov., no. 15 230-243 '65.

## KAUROV, VASILII NIKOLAEVICH, 1876-1938

**Kollet, L. S., V. N. Kaurav,** [Gor'kii] Volgo-Vlatskoe knizhnoe izd-vo, 1966. 82 p. (Nizhegorodskiy-revolutsionery)

## KALININ—SCHOOLHOUSES—DESIGN AND CONSTRUCTION

With a rating of "excellent" R. Feigina, Na stroi, Ros. 7 no. 12 13 D '66.

## KALININ PROVINCE—COMPOST

**Demikhovskii, A. I., and A. M. Kozharskii.** [How we prepare and place compost] Kak my gotovim i vnosim komposty, [Moskva] Mosk. rabochii, 1967. 53 p.

## KALININ PROVINCE—EDUCATION, RURAL

The combines of Kalinin province, N. D. Malakhov, Verh. sred. shkola 9 no. 3 21-23 My-Je '66.

## KALININ PROVINCE—FINANCIAL EMPLOYEES

They set an example, A. Grishanov, Fin. SSSR 40 no. 12 71-73 D '66.

## KALININGRAD—ELECTIONS

Meetings with voters, N. Kovalevskiy, Agitator 34 no. 4 7-8 F '67.

## KALININGRAD—VIEWS

Kaliningrad, [Kaliningrad] Kaliningradske knizhnoe izd-vo, 1966. 1 v. 134 p. illus.

## KALININGRAD PROVINCE—CRIME PREVENTION

Preventing the violation of Soviet laws is the most important part of supervisory work, I. Gudkov, Sots. zakon, 38 no. 7 69 Ji '61.

## KALININGRAD PROVINCE—FISHERIES

In Za Rodinu Fishing Collective, A. V. Ivanova, Ryb. khoz., 43 no. 1 56-57 '67

## KALININGRAD PROVINCE—SPRUCE

Spruce plantations on drained bogs in Kaliningrad Province, M. M. Elpatievskii, Sbor. nauch. issled. rab. po les. khoz., no. 6 246-263 '63.

## KALMYK A.S.S.R.—BIRDS—MIGRATION

Black soils of Kalmykia as a wintering place for birds, a short report, A. V. Samorodov, IU A. Samorodov, Vest. Mosk. un. Ser. B. Biol., poch. 21 no. 5 123-124 S-O '66.

## KALMYK A.S.S.R.—CHERNOZEM SOILS

Black soils of Kalmykia as a wintering place for birds; a short report, A. V. Samorodov, IU A. Samorodov, Vest. Mosk. un. Ser. B. Biol., poch. 21 no. 5 122-124 S-O '66.

## KALUGA—COMMUNIST YOUTH LEAGUE

Letter from old Bolsheviks, V. P. Akimov and others, Part zhizni no. 4 15-16 F '67

## KALUGA PROVINCE—PAPER INDUSTRY

Paper industry in Kaluga Province in the middle of the 19th century, S. A. Klepikov, Bum prom. no. 12 22-23 D '66

## KAMA RESERVOIR—BENTHOS

Characteristics of benthos distribution in tail water of Kama (Perm) Reservoir, G. B. Gavrilov, Gidrobiol. zhur., 2 no. 6 59-62 '66

## KAMA VALLEY—RESERVOIRS

**Pecherkin, I. A.** [Geodynamics of the shore lines of Kama reservoirs] Geodinamika poberezhii kamskikh vodokhranilishch. Perm', Permskii gos. univ. Pt. 1. [Engineering geology conditions] Inzhenerno-geologicheskie uslovia, 1966. 168 p.

## KAMARAN ISLANDS

The land of two moons, V. Andashev, Izv. Ibr. seg. 10 no. 1 52 Ja '67

## KAMCHATKA—ATMOSPHERIC TEMPERATURE

Temperature conditions in Kamchatka, A. P. Katsyuka, Vop. geog. Kamch. no. 1 86-93 '66

## KAMCHATKA—BARK INSCRIPTIONS

The Kamchatka birch bark tax books of the beginning of the 18th century, B. P. Polevoi, Vop. geog. Kamch. no. 4 124-127 '66

## KAMCHATKA—CORMORANTS

Cormorant falls a victim to a mollusk, A. S. Nikolayev, Vop. geog. Kamch. no. 4 135-136 '66.

## KAMCHATKA—DISCOVERY AND EXPLORATION

Did Fedot Popov reach the Kamchatka River? V. P. Kuz'kov, Vop. geog. Kamch. no. 4 94-100 '66

## KAMCHATKA—EARTH MOVEMENTS

Recent movements in northwestern Kamchatka, N. T. Dimlov, A. G. Kim, Vop. geog. Kamch. no. 4 131-132 '66

## KAMCHATKA—FISHERIES

A few notes on fishing expeditions by collective fish farms, G. P. Filonov, Ryb. khoz., 13 no. 1 38-39 '67

## KAMCHATKA—FOREST INSECTS

[Forest entomofauna of the Kurile Islands, Kamchatka Peninsula and Magadan Province] Entomofauna lesov Kuril'skikh ostrovov, poluostrova Kamchatki, Magadanskoi oblasti, Moskva, Nauka, 1966. 137 p.

## KAMCHATKA—GEOGRAPHICAL SOCIETIES

Kamchatka Section of the Geographical Society of the U.S.S.R. in 1965, V. N. Vinogradov, V. P. Kuskov, Vop. geog. Kamch. no. 4 145-146 '66.

## KAMCHATKA—GEOLOGICAL TIME

Age of Eocene series of western Kamchatka, V. N. Sinekhovskiy, Izv. AN SSSR, Ser. geol. no. 1 68-74 Ja '67.

## KAMCHATKA—GEOLOGY, STRUCTURAL

**Gorinchev, A. V.** [Basic characteristics of tectonic development of the Kurilo-Kamchatka zone] Osnovnye zakonitosti tektonicheskogo razvitiia Kurilo-Kamchatkskoi zony, Moskva, Nauka, 1966. 234 p.

## KAMCHATKA—GEOMORPHOLOGY

Age of the present relief of Kamchatka, O. A. Bratslava, I. V. Melekestev, Vop. geog. Kamch. no. 4 50-55 '66

Relief of the ancient volcanoes in the south of Kamchatka, V. S. Shel'movitch, Vop. geog. Kamch. no. 4 56-62 '66.

## KAMCHATKA—GLACIERS

**Vinogradov, V. N.** [Glaciers of Kamchatka] Ledniki Kamchatki, Pod red. B. I. Pliupa, Petropavlovsk-Kamchatskii, Kamchatskii otdel Geograficheskogo ob-va Sotuzh SSR, 1965. 19 p.

[MICROFILM]

## KAMCHATKA—GOLD ORES

Silver as a geochemical indicator in searching for epithermal gold deposits in Kamchatka, A. I. Serezhnikov, Vop. geog. Kamch. no. 4 105-107 '66.

**KAMCHATKA—METEOROLOGY, AGRICULTURAL**  
Russia (U.S.S.R.). Glavnoe upravlenie gidrometeorologicheskoi sluzhby, Kamchatskoe upravlenie. [Provide agriculture in Kamchatka with a hydrometeorological service] Gidrometeorologicheskaya sluzhba - sel'skoyemu khozyaystvu Kamchatki. Petropavlovsk-Kamchatskiy, Kuzhinaia red., "Kamchatskoi pravdy," 1963. 72 p.  
(DNA)

**KAMCHATKA—MITES**  
Insects and ecology of gamasid mites in Kamchatka. G. I. Lebedev. Vop geog kamch no 4 122-121 '66

**KAMCHATKA—PALEOBOTANY, STRATIGRAPHIC**  
New data on Triassic flora (western Kamchatka). P. A. Mikheditskiy. Dokl. AN SSSR 171 no. 1 947-949 D '66

**KAMCHATKA—PEARL FISHERIES**  
Distribution of the Kamchatka pearl oyster. I. I. Kuznetsov. Vop geog kamch no 4 110-112 '66

**KAMCHATKA—PINE**  
Effect of the snow cover on the Scotch pine plantations of Kamchatka in the winter 1964-65. V. I. Kravchenko. Vop geog kamch no 4 118-119 '66

**KAMCHATKA—RAINBOW TROUT**  
In the trout in Kamchatka. A. G. Ostroumov. Vop geog kamch no 4 131-135 '66.

**KAMCHATKA—SNOW**  
Effect of the snow cover on the Scotch pine plantations of Kamchatka in the winter 1964-65. V. I. Kravchenko. Vop geog kamch no 4 118-119 '66.

**KAMCHATKA—SOIL TEMPERATURE**  
Temperature conditions in Kamchatka. V. P. Katsyba. Vop geog kamch no 1 86-91 '66.

**KAMCHATKA—SOLAR RADIATION**  
Sunshine in Kamchatka. V. P. Katsyba. Vop geog kamch no 1 133-134 '66.

**KAMCHATKA—STATE FARMS—PRODUCTION STANDARDS**  
Come what may. A. Lushkov. Sov profsoyuz 23 no 118-20 Ja '67

**KAMCHATKA—VOLCANOES**  
El'fikh, E. N., ed. [Geochemistry of the Cenozoic Kuzhinaia Kamchatska volcanic region] Petrokhimika kaizozoijskoi Kuzhinaia-Kamchatskoi vulkanicheskoi provintsi. Moskva, Nauka, 1966. 276 p.  
Fourth period of volcanism in the geography of Kamchatka. A. E. Sviatlovskiy. Vop geog kamch no 4 13-19 '66  
Relief of the ancient volcanoes in the south of Kamchatka. V. S. Shchimoich. Vop geog kamch no 4 56-62 '66

**KAMENETS-PODOLSKIY PROVINCE—FRUIT**  
Quality, income, profit. A. Kozak. Zakup, sel'khoz, prod no. 11 26-27 N '66.

**KAMENNY LOG OIL FIELD—PETROLEUM**  
Adaptation of desalinated products of Kamenny Log petroleum. T. M. Nikolova. A. D. Maizov. Neftepri, inefichim no 10 5-7 '66.

**KANAMYCIN**  
Methodological fundamentals for the determination of kanamycin in organs and tissues and study of its distribution in animal body. G. I. Krivan, A. V. Kozlovskaya. Antibiotiki 12 no. 1 46-50 Ja '67.

**KANEV RESERVOIR—FRESHWATER FLORA**  
Some characteristics of the Kanev Reservoir and possible vegetation development in it. K. K. Zinov, Odrobiol, zhur. 2 no. 6 18-25 '66.

**KANSATIN**  
Susceptibility of phytopathogenic bacteria to kansatin. K. H. Bel'tukova. Mikrobiol. zhur. 24 no. 5 62-65 '62.

**KAOLIN**  
(see also subdivision under Ukraine)  
Expand the mineral raw material resources of the paper industry, editorial. Bum prom 37 no 5 1-2 My '62

**KARA-BOGAZ-GOL (GULF) REGION—GEOMORPHOLOGY**  
Problems in the geomorphology of the Kara-Bogaz-Gol region. A. M. Krivenkov. Trudy Turk. geog. ob-va no 2 116-118 '61

**KARA-KALPAK A.S.S.R.—HISTORY**  
Shalekenov, U. Kh. [The Kazakhs in the lower Amu Darya Valley; history of relations among the peoples of Kara-Kalpakia in the 18th-20th centuries] Kazakhli ntyov'ev Amudary; k istorii vzaimnooshozhni narodov Karakalpakli v XVIII-XX vv. Tashkent, Fan, 1966. 334 p.

**KARA-KALPAK A.S.S.R.—ROOT KNOT**  
Root knot nematodes in the Kara-Kalpak A. S. S. R. Z. Narbaev. Zashch. rast. 12 no. 1 57 '67.

**KARA KUM—BORAGE**  
Characteristics of root system structure in root sucking nematodes from Kara-Boragacae of Kara Kum desert. M. Akryeva. Izv. AN Turk SSR Ser. biol. nauk no. 5 33-39 '66

**KARA KUM—PHYSICAL GEOGRAPHY**  
Study of the nature of central Kara Kum conducted by the scientists of the Central Asian State University. R. Rakhmatov. Izv. Uzbek. Geog. ob-va 6 112-123 '66

**KARA KUM—WATER, UNDERGROUND**  
Khodzhalukulyev, I. A. [Karakum and Amu Darya oil- and gas-bearing areas: hydrogeology] Karakumskaya i Amudarynskaya neftegazonosnyye oblasti gidrogeologii. Pod red. A. A. Kaitseva. Ashkhabad, Izd-vo Turkmenistan, 1966. 218 p.  
Origin of salinity of underground waters in central Kara Kum. S. I. Smirnov. Dokl. AN SSSR 167 no. 2 113-115 M '66.

**KARA KUM CANAL REGION—BIRD LICE**  
Mallophaga from lake birds of Kara Kum Canal region. O. Kh. Shchimbina. Izv. AN Turk SSR Ser. biol. nauk no 5 59-64 '66

**KARA KUM CANAL REGION—PARASITES—BIRDS**  
Mallophaga from lake birds of Kara Kum Canal region. O. Kh. Shchimbina. Izv. AN Turk SSR Ser. biol. nauk no 5 59-61 '66.

**KARA SEA—GEOLOGY, STRATIGRAPHIC**  
Stratigraphy of Cretaceous sediments on the islands of the central part of the Kara Sea. V. D. Dimer, V. V. Zakharov. Inform. bul. NIGA no. 15 32-43 '59

**KARABAKH UPLAND—GEOMORPHOLOGY**  
Volcanic relief forms of the Karabakh Upland. N. Sh. Shirinov and others. Trudy Azerb. geog. ob-va 3 60-70 '66

**KARADANOVO (VLADIMIR PROVINCE)—TEXTILE INDUSTRY—TECHNOLOGICAL INNOVATIONS**  
Dorjov, S. A. [Toward new heights] K novym vysotam. [Vladimir] Vladimirovskoe knizhnoe izd-vo, 1963. 53 p.

**KARABI-YAYLA MOUNTAINS**  
Karabi-Yayla Massif in eastern Crimea. T. I. Usatova. Izv. Krim. otd. Geog. ob-va no 6 61-72 '61

**KARABIL' UPLAND—BOTANY**  
Flora of Karabil' and its characteristics. R. Berdyev. Izv. AN Turk SSR Ser. biol. nauk no. 5 45-48 '66

**KARABIL' UPLAND—GEOLOGY, STRATIGRAPHIC**  
Upper Karabil' series and problems concerning its origin. G. I. Amuratskiy. Trudy Turk. geog. ob-va no 2 50-55 '61  
Upper Quaternary lacustrine-alluvial deposits of the Badkhyz and Karabil' Uplands. G. Berdyev. Trudy Turk. geog. ob-va no. 2 106-115 '61

**KARACHAY LITERATURE—HISTORY AND CRITICISM**  
Karayev, A. I. [Outline history of Karachay literature] Ocherk istorii karachevskoi literatury. Moskva, Nauka, 1966. 318 p.

**KARAGANDA—IRON AND STEEL PLANTS—DESIGN AND CONSTRUCTION**  
Inadmissibly slow rates. R. Il'iasov. Nar. khoz. Kazakh. 24 no 11 59-62 N '66

**KARAGANDA—RUBBER INDUSTRY—EQUIPMENT AND SUPPLIES**  
Economy is before everything. V. Fursanov. Nar. khoz. Kazakh. 21 no. 11 23-26 N '66

**KARAGANDA—STEEL INDUSTRY—MANAGEMENT**  
Scientific labor organization operates in workshops. S. Tuleniseva. K. Shchimbina. Nar. khoz. Kazakh. 21 no. 12 14-17 D '66

**KARAGANDA BASIN—BLASTING—SAFETY MEASURES**  
Testing hydrox cartridges in coal mines of Karaganda Basin. F. M. Gelfand. Vzyv. delo no. 60/17 261-266 '66.

**KARAGANDA BASIN—COAL MINES AND MINING—SAFETY MEASURES**  
Influence of the strength of shells upon intensity of the priming impulse and time characteristics of electric detonators. F. M. Gelfand. Vzyv. delo no. 60/17 210-218 '66.  
A new efficient process of preliminary wetting of coal and rock masses. G. E. Panov. Ugol' 42 no. 1 63-65 Ja '67.

Results of industrial testing of E-6 "Uglenit," No. 1 "Miporit," and No. 2 carbontite in coal mines of Karagandaugol' Combine. F. M. Gelfand, G. A. Pollak. Vzyv. delo no. 60/17 136-143 '66.

**KARAGANDA BASIN—COAL MINING MACHINERY—DESIGN AND CONSTRUCTION**  
Experience in using KAI-81 equipment complexes. V. Shevakov, P. P. Demosov, I. I. Lagut. Ugol' 42 no. 1 18-19 Ja '67.

Wear of the diamond tool of rock cutter-jacks in coal mines mechanisms operating along the principle of the rock being away from the mass. A. P. Kichigin and others. Vzyv. ucheb. zav., gor. inzh. 8 no 10 12-17 '65

**KARAGANDA BASIN—MOIST DUSTS**  
Influence of physical and mechanical properties of dust upon dust formation in conducting development. V. N. F. Kichigin, D. A. Amambayev, G. I. Panov. Vzyv. ucheb. zav., gor. inzh. 8 no 10 16-62 '65.

**KARAGANDA BASIN—MINE HOISTING—EQUIPMENT AND SUPPLIES**  
Acceptable stock of hoisting equipment. R. A. Klimov. Vzyv. ucheb. zav., gor. inzh. 8 no 10 16-62 '65.

**KARAGANDA PROVINCE—CONSTRUCTION EQUIPMENT—MAINTENANCE AND REPAIR**  
Remove obstacles from the path. A. N. N. N. Nar. khoz. Kazakh. 21 no. 12 61-62 D '66

**KARAGANDA PROVINCE—CONSUMERS' DEMAND**  
They are studying consumer demand. R. N. N. Nar. khoz. Kazakh. 21 no. 11 76-77 N '66

**KARAGANDA PROVINCE—INDUSTRIES**  
An outpost of industry in the East. I. A. Belonov. Vzyv. ucheb. zav., gor. inzh. 8 no 10 16-62 '65.

**KARAGANDA PROVINCE—RURAL CONSTRUCTION—MANAGEMENT**  
Remove obstacles from the path. A. N. N. Nar. khoz. Kazakh. 21 no. 12 61-62 D '66

**KARAKUL' REGION (BUKHARA PROVINCE)—SOILS**  
Distribution of irrigated soils in the Karakul' region according to the degree of their cultivation. R. R. R. Akad. sel'khoz. nauk no. 9 2-5 '66.

**KARAKUL SHEEP**  
The Karakul at an international fur auction. A. I. I. pol'shch. Zakup, sel'khoz, prod no. 11 55-56 '66.

**KARAMAZAR MOUNTAINS—BERTHICHTIT**  
Bertholite from Kara-Mazar Mountains. V. I. I. Nauch. izudy. Tashkent no. 23 1. Geol. nauki no 20 11-56 '64.

**KARAMAZAR MOUNTAINS—MINERALS**  
Impurity elements in ores and minerals of Alta. I. I. I. Nauch. izudy. Tashkent no. 23 1. Geol. nauki no 20 11-56 '64.

**KARAMAZAR MOUNTAINS—ORE DEPOSIT**  
Impurity elements in ores and minerals of Alta. I. I. I. Nauch. izudy. Tashkent no. 23 1. Geol. nauki no 20 11-56 '64.

**KARAPETIAN, SAAK KARAPETOVICH, 1906-**  
Sank Karapetovich Karapetian, on his 60th birthday. I. I. I. Zhur. 52 no. 12 15 60 D '66.

**KARATAU—FORAMINIFERA, FOSSIL**  
Layers with Foraminifera communities in the Karatau in the western spurs of the Taurus Mountains. O. V. I. I. My-Je '64.

**KARATAU—GEOLOGY, STRUCTURAL**  
Tectonic development of the Kara-Tau (Central Asia) in the Lower Paleozoic. G. I. M. MOIP. Otd. geol. 36 no. 3 3-10 My-Je '61

**KARELIA—ACTINOMYCES**  
Study of antagonistic properties of actinomycetes in Karelian soils. A. B. Silaev and others. V. I. I. Ser. 6: Biol., pochv. 21 no. 5 55-58 S-O '66.

**KARELIA—FISH INTRODUCTION**  
Introduction of pike perch into Karelian lakes. I. I. I. Sankup. Ryb. khoz. 43 no 1 24-25 '67

**KARELIA—FOREST REPRODUCTION**  
Mechanized tillage intended to help the natural regeneration and under-forest plantations in Karelia. A. D. Volkov, M. S. Shirkevich. Shur. nauka, 1. I. I. pol'shch. khoz. no. 6 300-317 '63

**KARELIA—HOME ECONOMICS—ACCOUNTING**  
Payments and benefits from public consumption in workers' family budget according to the results of data of lumbermen's family budget in Karelia. A. I. I. Revakin. Vest. LGU 21 no. 23 12-20 '66.

#### KARELIA—LUMBERING

Prospects for cutting lumber and the timber consumption in Karelia. I. G. Chepur. *Sborn. Nauch. i issl. rab. po lesem.* no. 6-1958 '63

#### KARELIA—METALS, RARE AND MINOR

Calculation of crystallization coefficients of rare alkali metals for potassium minerals in pegmatites. I. D. Rudnikova. *Geokhimiya* no. 10 926-930 '61

#### KARELIA—MINES AND MINERAL RESOURCES

Krivos, K. O., and I. E. Voznitskii, eds. [New ways for the utilization of rare minerals in Karelia] *Novye puti ispol'zovaniya mineral'nogo syr'ya Karelii* [Petrozavodsk, Karelskoe knizhnoe izd-vo, 1965] 68 p. [MICROFILM]

#### KARELIA—OLD BELIEVERS

[Old Believers' Church Calendar for 1966, dedicated to the 200th anniversary of the foundation of Lekska Community] *Staroobitchevskii Tserkovnyi kalendar' na 1966 god, posvyashchennyy 200-letiu osnovaniya Leksnskogo obshchestva* [Petrozavodsk, Vysshii Staroobitchevskii Sovet v Litovskoi SSR [1965] 151 p.

#### KARELIA—PEGMATITES

Geochemistry of rare earth elements in pegmatites of northern Karelia. K. K. Zhurav, G. A. Baidunin, H. G. L'vovskiy. *Geokhimiya* no. 11 995-1001 '61

Increasing the efficiency of geophysical prospecting for rare earth pegmatite veins. S. V. I. Iogen'kii, Rozved. i kh. nedr. 26 no. 8-31-31 Ag '60.

#### KARELIA—PINE

Planting time for pine seeds in Karelia. M. S. Shukhevich, A. D. Volkov. *Sborn. Nauch. i issl. rab. po les. khoz.* no. 6 194-206 '61

#### KARELIA—RARE EARTH METALS

Geochemistry of rare earth elements in pegmatites of northern Karelia. K. K. Zhurav, G. A. Baidunin, H. G. L'vovskiy. *Geokhimiya* no. 11 995-1001 '61

#### KARELIA—SOIL MICRO-ORGANISMS

Study of antagonistic properties of actinomycetes in Karelian soils. A. B. Shvay and others. *Vest. Mosk. un.* Ser. biol. i med. 21 no. 5-55-59 S-O '66.

#### KARELIAN ISTHMUS—SLIT—MICROBIOLOGY

Studying the reduction potential and distribution of bacteria in the face of a slit layer in some Karelian Isthmus lakes. V. G. Dushkova. *Mikrobiologiya* 35 no. 6-1086-1086 S-D '66.

#### KASHI REGION (UZBEKISTAN)—GROUND SQUIRRELS

Seasonal reproduction of *Spermophilopsis leptodactylus* Lich. in Karshi steppe. A. A. Petrova. *Zool. zh.* 15 no. 12-1887-1888 '66.

#### KAZAKI (LSTONIA)

Higalo, Jaan, Karkel, Tallinn, Eesti Raamat, 1960. 70 p. [In Estonian]

#### KARST

[See also subdivision under Altai Mountains, Bol'shoy Koldim Valley, Cherdyn' District; Gotland, Kopperly Valley; Perm Province]

Practice in studying karst in Permian. L. A. Dobrovolskiy. *Izv. vuzov, geol. i razv.* 10 no. 1 121-127 Ja '67.

Practice of using combined profiling for the manifestation of a deep karst in an Ektontum oil shale deposit. 1) M. Kabanov. *Razved. i kh. nedr.* 26 no. 3-55-57 Ma '60.

2) Karst. A. I. Drenin. *Izvestiya. Pribl. na 185-88 Ja '67.*

Study of karst by the Department of Geomorphology of the Academy of Sciences of the Czechoslovak Republic in Brno, 1955-1960. J. Drenok. *Peshrchey no 2* 100-111 '62

#### KARYOKINESIS

Changes in mitotic activity of axolotl extremity tissues following restoration of regeneration ability inhibited by 5-TA. S. I. A. Tikhonova. *Dokl. AN SSSR* 172 no. 1: 222-221 Ju '67

Diurnal rhythm of mitotic division of thymus lymphocytes in normal people and in people with acute radiation sickness. M. P. Khumant. *Akh. anat. i gist. lemb.* 51 no. 10 109-112 O '66.

Megakaryocytopoiesis and thrombocytopoiesis in diffuse toxic goiter during the period of treatment with 131. O. N. Pikhonov, A. M. Bykhovskaya. *Med. rad.* 12 no. 1-82-85 Ju '67.

Some indices of the mitotic activity of bone marrow following the effect of ionizing radiation on the body. M. N. Goltzontova. *Med. rad.* 11 no. 12-55-58 D '66

#### KASHCHEEV, GREGORII NIKOLAEVICH, 1887-1906

G. I. G. I. Nikolayevich Kashchev; obituary. *Tor. prom.* 43 no. 8: 29 '66.

#### KASHIRA DISTRICT—FOREST SOILS

Rate of soil formation in limestone quarries and secondary changes in limited light gray forest soils. M. P. Smirnov. *Pochvovedenie* no. 1-91-102 Ap '60.

#### KASHKA-DAR'YA VALLEY—BOTANY—ECOLOGY

Basic features of the vegetation of the Kashka-Dar'ya basin. I. D. Platova. *Nauch. trudy FashGU* no. 210 113-151 '62

#### KASHMIR

The Kashmir question. L. Chebanov. *Agitator* no. 17 26-27 S '62

#### KASKELIN DISTRICT—SOILS

Soil characteristics and methods of irrigation. P. Shleimovich. *Zemledelie* 29 no. 1-36-37 Ja '67.

#### KATAEV, VALENTIN PETROVICH, 1897-

A conception and the times. Valentin Kataev. *Vop. lit.* 5 no. 9 110-138 S '61  
The sun on the horizon. O. P. Voronova. *Nach. shkola* 35 no. 2-7-11 I '67

#### KATANGA PROVINCE, CONGO (KINSHASA)—INVESTMENTS, BELGIAN

An epitaph for Union Miniere. H. Bochkarev. *Nov. vrem.* 25 no. 7-8-10 I '67  
Union Miniere suffers a defeat. A. Zakharov. *Mezhdunar. zhizn'* 14 no. 2-131-135 '67.

#### KATMANDU, NEPAL—RUSSIAN LANGUAGE—STUDY AND TEACHING

Lights in the Himalayas. A. Kiushinskii. *Mol. komm.* no. 1 116-120 '66

#### KAYRAKUM RESERVOIR—CRUSTACEA

Role of phytoplankton in feeding some lower species of crustaceans in Kayrakum Reservoir. S. A. Andrievskaya. *Izv. Otd. biol. nauk AN Tadzh. SSR.* no. 1 60-67 '66.

#### KAYRAKUM RESERVOIR—PHYTOPLANKTON

Role of phytoplankton in feeding some lower species of crustaceans in Kayrakum Reservoir. S. A. Andrievskaya. *Izv. Otd. biol. nauk AN Tadzh. SSR.* no. 1 60-67 '66.

#### KAZAKHICH, EMANUEL, 1913-1962

A man and a friend. Konstantin Paustovskii. *Nov. mir* 38 no. 10 287-288 O '62

#### KAZAKHIS see subdivision under Amu Darya Valley

#### KAZAKHISTAN—AGRICULTURAL WAGES

Improve practice in paying wages on state farms. A. Kugel. *Sots. i ud.* 22 no. 2-11-18 F '67.

#### KAZAKHISTAN—AGRICULTURE

Agriculture of Kazakhstan in the five-year plan. G. Melnik. *Plan. khoz.* no. 2-3-9 I '67.

#### KAZAKHISTAN—BUILDING MATERIALS INDUSTRY

The supply of building materials and equipment of the southern Kazakhstan construction industry is growing and becoming stronger. A. I. Zenkov. *Stroitel.* 7 no. 11 3-6 N '61.

#### KAZAKHISTAN—CAPITAL

Enterprise, budget, and the bank. V. Cherkasov. *Nar. khoz. Kazakh.* 21 no. 12 27-29 D '66

#### KAZAKHISTAN—CLERKS (RETAIL TRADE)

The salesman's work. L. Titova. *Nar. khoz. Kazakh.* 21 no. 12 48-51 D '66.

#### KAZAKHISTAN—COLLECTIVE FARMS

Realization of the Lenin cooperative plan. S. Zhakupbekov. *Nar. khoz. Kazakh.* 24 no. 11-71-75 N '66.

#### KAZAKHISTAN—COMMUNICATION AND TRAFFIC

Put communication means in the service of the national economy. A. Elibaev. *Nar. khoz. Kazakh.* 21 no. 11-42-45 N '66.

#### KAZAKHISTAN—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

District party committees are reporting on their work. *Part. zhizn'* no. 3 50 I '67.

#### KAZAKHISTAN—CONSTRUCTION INDUSTRY—COSTS

What the analysis showed. B. Golovkin. *Nar. khoz. Kazakh.* 21 no. 11-53-54 N '66.

#### KAZAKHISTAN—CONSTRUCTION INDUSTRY—MANAGEMENT

Schedule plans and provision of material and equipment. I. I. Vlasov. *Prom. stroit.* 14 no. 12-14-16 '66.

#### KAZAKHISTAN—CONSUMPTION (ECONOMICS)

Trade and the growth of national consumption. A. Sakta-pov. *I Nigai. Nar. khoz. Kazakh.* 24 no. 12-82-85 D '66.

#### KAZAKHISTAN—CORN (MAIZE)—IRRIGATION

Splice arrangement and density of stand for irrigated corn. N. U. Umarzakov, A. A. Lukashev. *Vest. sel'khoz. nauki [Kazakh.]* 10 no. 1-51-56 Ja '67.

#### KAZAKHISTAN—DINOSAURIA

New data on locations of Dinosauria in Kazakhstan and Central Asia. A. K. Rozdestvenskii. *Nauch. trudy IzhGU* no. 231 Goul nruki no. 20, 227-241 '61.

#### KAZAKHISTAN—ECONOMIC CONDITIONS

Transformed land. M. Belslaev. *Komm. Vooruzh. Sil* 47 no. 1-8-14 Ja '67

#### KAZAKHISTAN—EDUCATION

From zero to 500 thousands. F. Akhmetov. *Nar. khoz. Kazakh.* 24 no. 12 72-73 D '66

#### KAZAKHISTAN—ELECTRONIC DATA PROCESSING—INDUSTRIAL MANAGEMENT

Use electronic equipment in managerial work. U. Sagindykov. *Nar. khoz. Kazakh.* 24 no. 11 15-17 N '66

#### KAZAKHISTAN—EWES

Protein composition of sheep milk. *Trudy Inst. fiziol. AN Kazakh SSR* 10 167-171 '66

#### KAZAKHISTAN—FARM BUILDINGS—DESIGN AND CONSTRUCTION

Plan as the builder's compass. A. Rudik. *Nar. khoz. Kazakh.* 24 no. 12 65-67 D '66

#### KAZAKHISTAN—FLUORSPAR

Typomorphic characteristics and conditions governing formation of fluorite in pegmatites of central Kazakhstan. M. A. Pleshova, V. S. Bratskii. *Mit. sbor.* 20 no. 4 519-523 '66

#### KAZAKHISTAN—GLACIERS

[Glaciological studies in Kazakhstan] *Gliatsiologicheskoe issledovanie v Kazakhstane.* Alma-Ata. No. 6, 1966. 139 p.

#### KAZAKHISTAN—GOAT'S MILK

Adrenalin and acetylcholine participation in regulation of milk secretion in goats. B. N. Abbasov, Z. M. Akbarova. *Trudy Inst. fiziol. AN Kazakh SSR* 10 162-166 '66

#### KAZAKHISTAN—GRAIN—STORAGE

Kazakhstan is getting ready to receive the grain of the new harvest. O. Kosunov. *Za-p. sel'khoz. prod.* no. 8 18-20 Ag '66.

Kazakhstan millard. B. Dvoret'skii. *Zakup. sel'khoz. prod.* no. 12-1-4 D '66.

#### KAZAKHISTAN—GRAIN HANDLING

Put into operation storage facilities under construction in time for receiving the grain harvested in the second year of the seven-year plan. I. Kol'chuk. *Muk. i sel. prom.* 26 no. 4 3-4 Ap '60

#### KAZAKHISTAN—GRAIN TRADE

Kazakhstan millard. B. Dvoret'skii. *Zakup. sel'khoz. prod.* no. 12-1-4 D '66.

#### KAZAKHISTAN—HUMUS

Regulates in the distribution of organic remains in a profile of Chernozem soils of northern Kazakhstan. E. V. Kuz'ko. *Pochvovedenie* no. 3 12-20 Mr '60.

#### KAZAKHISTAN—HYDROMICA

Dispersive hydromica from Quaternary sediments in northern Kazakhstan. V. V. Dobrovolskiy. *Trudy Muz. muz.* no. 12 162-160 '61

#### KAZAKHISTAN—INDUSTRIAL PROCUREMENT

Production and regional administrations of the supply of materials and equipment. M. Kostin. *Mat. tekhn. snabzhi.* 1 no. 4 63-65 O '66.

#### KAZAKHISTAN—INDUSTRIES

First year of the five-year plan. *Nar. khoz. Kazakh.* 21 no. 11-48-49 N '66.

The first year of the five-year plan. *Nar. khoz. Kazakh.* 24 no. 12 12-43 D '66

#### KAZAKHISTAN—IRON ORES

*Laboratoria osadochuykh poleznykh iskopaemykh.* [Concentrations of manganese and iron ores in the Dzhal'ma Trough] *Mangantseve i zhelezorudnye kontsentratsii Dzhal'minskoi mul'dy.* Moskva, Nauka, 1966. 142 p. illus.

#### KAZAKHISTAN—LAMELLEBRANCHIATA, FOSSIL

Botekhtina, O. A. [Upper Paleozoic non-marine Pelecypoda (Bivalves) of Siberia and eastern Kazakhstan] *Verkhnepaleozoiskie nemorskije pelecistpody (dvustvorki) Sibiri i Vostochnogo Kazakhstana.* Moskva, Nauka, 1966. 219 p. illus.

#### KAZAKHISTAN—MACHINERY—MAINTENANCE AND REPAIR

More on the repair base in the republic. L. Kim. *Nar. khoz. Kazakh.* 24 no. 12-77-78 D '66

#### KAZAKHISTAN—MACHINERY INDUSTRY—FINANCE

Business accounting in operation. V. Fedotov. *Nar. khoz. Kazakh.* 24 no. 12-11-12 D '66.





#### KHAKHAR DABAN RANGE—HUNTING

Hunting grounds in the western Khakhar—Daban. M. P. Tatarsk. Izv. 151 III no. 31 177-196 '62

#### KHAMUDKHANOV, MUZAI FAR ZAKHEDKHANOVICH, 1916-

Muzaffar Zakhedkhanovich Khamudkhanov, on the occasion of his 40th birthday. Izv. AN Uz. SSR, Ser. tekhn. nauk 10 no. 6 3-5 '66

#### KHANLAI REGION (AZERBAIJAN)—CLAY

New technology of the activation of Khanlai clay. Z. G. Zulfagharov, G. I. Akhmedov, T. A. Agdamskii, Tr. Inst. Khim. AN Azerb. SSR 20 181-192 '61

#### KHANTY-MANSIYSK NATIONAL AREA—EDUCATION

For the children of the people of tundra regions. A. I. Lipovych. N. u. u. no. 2 8-9 '67

#### KHARKOV—AIRPORTS

A woman's Soviet of a garrison. N. Rogozhin, G. Zhid, av. 12 no. 10-21 O '65

#### KHARKOV—AUTOMOBILE DRIVERS

The oldest driver. M. Gordin. Avt. transp. 40 no. 6 9-10 '62

#### KHARKOV—BUILDINGS—MAINTENANCE AND REPAIR

The golden hands of Aleksandra Gritshina. M. Musla, Transp. strel. 16 no. 1 11-12 '66

#### KHARKOV—FLOTATION

Kharkov Institute of engineering and economics. P. E. Sekl, Khol. i khim. no. 5-6 '67

#### KHARKOV—FOOD INDUSTRY—ACCOUNTING

Use of keyboard calculating machines in trade accounting office. I. Levin. Sov. torg. 10 no. 12 22-24 D '66

#### KHARKOV—MACHINE-INDUSTRY

It is necessary and important. T. Zubarev, Agitator 33 no. 1 32-33 '67

#### KHARKOV—PUNCH CARD SYSTEMS—MACHINERY INDUSTRY

Mechanizing the calculation of bonuses for the work performed according to technically based production standards. I. Sobolev. Statist. 12 no. 2 111-113 '67

#### KHARKOV—STEAM TURBINES—DESIGN AND CONSTRUCTION

Design of the K-300-240 steam turbine developed by the Kharkov Turbine Plant. A. V. Lazarenko, Energomashinstroenie 6 no. 10-11-6 O '66

#### KHARKOV—STUDENT ACTIVITIES

Our plans. I. S. Madalgon. Verh. sred. shkola 9 no. 3-17 Mv-Fe '66

#### KHARKOV—TRACTOR INDUSTRY

Tractor builders are reaching for new frontiers. M. Zarembo. Agitator no. 17-19-31 S '62

#### KHARKOV—TURBINES

In the Kharkov Turbine Plant. D. Roshal'. Strel. 12 no. 2 31-38 '67

#### KHARKOV PROVINCE—APPLE—DISEASES AND PESTS

Chemical control of the main pest and diseases of apple plantations in Kharkov Province. B. M. Litvinov, G. V. Litvinova, Trudy KISKH 55:123-129 '66

#### KHARKOV PROVINCE—APPLE SCAB

Studying apple scab and some methods for its control. G. V. Litvinova, Trudy KISKH 56 60-65 '66

#### KHARKOV PROVINCE—CHALCID FLIES

Some data on the harmfulness and biological characteristics of the chalcid fly *Phyllosoma amygdali* Lind. R. V. Khl. i khim. Trudy KISKH 55:141-147 '66

#### KHARKOV PROVINCE—CLICK BEETLES—EXTERMINATION

Notes on controlling click beetles. A. I. Kovalik. Trudy KISKH 55:61-63 '66

#### KHARKOV PROVINCE—COCKCHAFENS—EXTERMINATION

Western May beetle *Melolontha melolontha* in the orchard of the "Shimich Industrii" State Farm and its control. B. M. Litvinov, Trudy KISKH 55:116-122 '66

#### KHARKOV PROVINCE—ERMINE MOTHS

Some causes determining the stability of pest population (as exemplified by the apple moth *Hyponomeuta malinella* Zell.). A. G. Dogtárov, Trudy KISKH 55:106-111 '66

#### KHARKOV PROVINCE—EURYGASTER

The shield bug *Eurygaster integriceps* in the eastern steppe zone of Kharkov Province. M. N. Pogorelov, Trudy KISKH 55:64-70 '66

#### KHARKOV PROVINCE—GRAIN ELEVATORS

Discharge devices in storerooms with block-off galleries of the mills in the Kharkov Province. I. Suprunov, Mulk. i zh. prom. 25 no. 3 25-26 M '66

#### KHARKOV PROVINCE—INSECTS, INJURIOUS AND BENEFICIAL

Regularity in the change of the numbers of some injurious insects damaging field crops in Kharkov Province. A. A. Migulin, Trudy KISKH 55:3-11 '66

#### KHARKOV PROVINCE—OWLET MOTHS

Biology and dynamics of the numbers of European cabbage moth in Kharkov Province. V. I. Tsybul'ko, Trudy KISKH 55:36-42 '66

#### KHARKOV PROVINCE—OWLET MOTHS—EXTERMINATION

Some methods of the chemical control of European cabbage moth. V. I. Tsybul'ko, Trudy KISKH 55:93-95 '66

#### KHARKOV REGION—CURRENTS—DISEASES AND PESTS

The current holder. Agricultural zoologists on the "Kommunist" Experimental and Training Farm of the Kharkov Agricultural Institute. E. G. Vagmova, Trudy KISKH 55:96-101 '66

#### KHARKOV REGION—ERMINE MOTHS

Mass multiplication of the apple moth *Hyponomeuta malinella* Zell. and some characteristics of its development on the "Kommunist" Training Farm in Kharkov Province. A. G. Dogtárov, Trudy KISKH 55:112-115 '66

#### KHARKOV REGION—RED SPIDER

Brown fruit mite *Bryobia sedecia* Zevi R. in the orchard of the "Kommunist" Experimental and Training Farm of the Kharkov Agricultural Institute during 1958-1964. Kh. Kh. Ramonov, Trudy KISKH 55:120-131 '66

#### KHARKOV REGION—WIREWORMS

Distribution of wireworms in fields of the "Kommunist" Training Farm of the Kharkov Institute of Agriculture. Trudy KISKH 55:55-60 '66

#### KHAYAN-KORT OIL FIELD—OIL RESERVOIR ENGINEERING

Form and causes of curvature of well-indicator lines of Khayan-Kort pool with fractured reservoir. P. A. Zhitkii, L. I. Kozhichko, Neft. khoz. 41 no. 12 10-14 D '66

#### KHELLIN—PHYSIOLOGICAL EFFECT

Effect of khellin and daucarbin on the motor activity of the small intestine in dogs. I. A. L. Khadzha, Farmats. zh. 18 no. 3 56-61 '61

#### KHERSON PROVINCE—DAIRY INDUSTRY

Is the profession of a dairymaid eternal? A. Kotliar, Mol. i khim. no. 1 69-71 '66

#### KHERSON PROVINCE—SOCIAL GROUP WORK

Adoption of progressive experiences. Part. zhuzn' no. 3: 59 F '67

#### KHERSONESSKIY CAPE—WINDS

Wind regime in region of Kheresonesskiy Cape in observation period 1962-1963. I. L. Chestnina, Trudy GGO no. 169, 80-86 '66

#### KHIBNY MOUNTAINS—DE L'HAYE LITE

De L'hayelite from the Khibny mountains. M. D. Dorfman, T. N. Belova, R. N. Neronova, Trudy Min. muz. no. 12 101-195 '61

#### KHIBNY MOUNTAINS—OIL WELL LOGGING

Experiment of applying mud logging for the investigation of combustible gases and bitumens in the Khibny intrusive massif. I. E. Petersile and others. Geokhimiia no. 10 853-869 '61

#### KHIBNY MOUNTAINS—SNOW

Smirnov, V. M. [Snowman from the Khibny Mountains] Snezhnyy chelovek iz Khibin. Leningrad, Gidrometeor. izd-vo, 1960, 147 p.

#### KHMELEVNITSKIY—PHARMACEUTICAL SOCIETIES

Khmelevnitskiy Branch of the Scientific Pharmaceutical Society. S. H. Burshteyn, V. M. Malanchuk, Farmats. zh. 18 no. 3 90-92 '63

#### KHOREZM PROVINCE—DRAINAGE

Intercollective farm drainage network in irrigated lands of Khorezm Province. R. S. Kadyrov, Gl. i. mel. 14 no. 5:11-23 M '62

#### KHRAK VALLEY—GEOLOGY, STRUCTURAL

Relationship between tectonic structures and interacting magmatic bodies in the region of the Khram valley. Sh. A. Adamov, I. I. Khmaladze, Snob. AN Gruz. SSR 26 no. 6 671-673 Jc '61

#### KHIVASTOVICH REGION (KALUGA PROVINCE)—FOREST MANAGEMENT—LABOR PRODUCTIVITY

Possibilities of increasing labor productivity in forestry in relation with combining forest management and lumbering functions in one enterprise. V. S. Trishin, O. A. Khachenko, I. M. Vorobeyeva, Snob. nauch. issl. 10 no. 10 5-23 '63

#### KHIVASTOVICH REGION (KALUGA PROVINCE)—LUMBERING—LABOR PRODUCTIVITY

Possibilities of increasing labor productivity in forestry in relation with combining forest management and lumbering functions in one enterprise. V. S. Trishin, O. A. Khachenko, I. M. Vorobeyeva, Snob. nauch. issl. 10 no. 10 5-23 '63

#### KIBRIK, EVGENII ADOL'FOVICH, 1906-

An outstanding master of graphic arts. T. Kurochkina, Iskusstvo 29 no. 12 15-20 '66

#### KIDNEY FUNCTION TESTS

Blood and urine amylase as an indicator of the functional capacity of the kidneys. I. U. N. Kolesnikov, N. G. Foksinova, Sov. med. 29 no. 11 83-90 N '66

Effect of operative and postoperative shock on renal function in tuberculosis following resection of lungs. O. G. Bannin, Chud. khim. 9 no. 1 91-96 Ja-T '67

#### KIDNEYS—DISEASES

Analysis of an outbreak of hemorrhagic nephrosonephritis. I. I. Anokhin. Sov. med. 30 no. 11 46 Ja '67

Clinical evaluation of the effect of lespenepril in chronic diseases of the kidneys. L. R. Polianskaya, Sov. med. 30 no. 1 82-85 Ja '67

Comparative evaluation of new methods to determine the degree of bacteriuria in the diagnosis of chronic pyelonephritis. A. I. A. Pytel', V. S. Riabinskii, V. E. Rodoman, Sov. med. 29 no. 10 310 O '66

Fluctuations of the content of serum glycoproteins during acute nephritis in children. L. M. Pliashova, Sov. med. 29 no. 11 76-81 N '66

Functional state of the adrenal glands in nephropathies in children during the dynamic progress of the disease. E. M. Okulova, Sov. med. 29 no. 11 81-85 N '66

Morphological analysis of compensatory hypertrophic kidney in some mammals. T. Ruziev, Izv. Otd. biol. nauk AN Tadzh. SSR no. 3 106-109 '66

Problems of the effectiveness of chemotherapy of chronic nephritis in Bayram-Ali. D. M. Allahverdiyev, Trudy Turk. nauch. issl. inst. khim., kuz. i fiz. metod. lech. 8 7-12 '65

Specificity of neuropsychopathological syndromes in tick-borne encephalitis and hemorrhagic nephrosonephritis. I. B. Gafant, Trudy Gos. nauch. issl. inst. psikh. 26 201-205 '61

#### KIEV—ANTIQUITIES

Tolochko, P. P. [Ancient Kiev] Starodavniy Kyiv. Kyiv, Naukova dumka, 1966, 82 p. (Naukovo-populjarna literatura)

#### KIEV—CLOTHING INDUSTRY

Salons of clothing ensembles. I. Mazurenko, N. Podgorina, Sov. torg. 40 no. 12-40-41 D '66

#### KIEV—COMMUNIST EDUCATION

Where to get equipment needed for propaganda? A letter to the editor. V. Zaruda, Agitator 34 no. 2 29 Ja '67

#### KIEV—CONSTRUCTION INDUSTRY—AUDITING AND INSPECTION

Volunteer participation on the construction sites of Kiev. V. Gusev, Ekon. strel. 9 no. 1-34-37 Ja '67

#### KIEV—HISTORIC HOUSES, ETC.

Tolochko, P. P. [Ancient Kiev] Starodavniy Kyiv. Kyiv, Naukova dumka, 1966, 82 p. (Naukovo-populjarna literatura)

#### KIEV—LARYNX—TUMORS

Records on papillomatosis of the larynx in children at the Ear, Throat and Nose Clinic of the Kiev Medical Institute for 10 years (1948-1957). A. I. Lisovskaya, Zhur. uzh. nos. i gorl. bol. 19 no. 8:62-64 N-D '59

#### KIEV—MICROBIOLOGY—RESEARCH

Institute of Microbiology and Virology. Zashch. rast. 12 no. 1 59 '67

#### KIEV—MOSAICS

Lazarev, V. N. [Mosaics of the Archangel Michael Cathedral, with an appendix of V. I. Levitskaya's article "About the palette of the mosaics of the Archangel Michael Cathedral"] Mikhailovskie mozaiki: s prilozeniem stat'i V. I. Levitskoi "O palette mikhailovskikh mozaik." Moskva, Iskusstvo, 1966, 269 p. (chiefly illus.)

# KIV—NATURAL HISTORY MUSEUMS

Central Natural Sciences Institute of the Academy of Sciences of the USSR. Dokl. Akad. Nauk SSSR no. 10 1362-1363 '66.

# KIEV—PUBLIC HEALTH RESEARCH

New Institute in the sciences of people's health. E. A. Antonov. Vopr. pit. 23 no. 6 66 1-10 '66.

# KIEV—SOCCER

Mykhailov, M. I. [Kiev Dynamo] "Dynamo." Kyiv, Zdorov'ia, 1966, 83 p.

# KIEV—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Efficiency of the new planning system. G. Baidukov. Avt. transp. 45 no. 1 15-16 Ja '67.

# KIEV—VIROLOGY—RESEARCH

Institute of Microbiology and Virology. Zashch. rast. 12 no. 1 59 '67.

# KIEV—WOODWORKING MACHINERY—HYDRAULIC EQUIPMENT

Modernization of the hydraulic station of the D5-I bench in the particle board shop of the Kiev Wood-Processing Combine. M. S. Stannik. Izv. vopr. lesn. pap. 1 no. 1 1-15 Ja '67.

# KIEV PROVINCE—COLLECTIVE FARMS

Organizations are leaders of the masses. V. Volkodav. Part. zhizn' no. 1 40-41 F '67.

# KIEV PROVINCE—EGG TRADE

Path to the consumer could be shortened. I. U. Mitin. Zakup. sel'khoz. prod. no. 12 35 D '66.

# KIEV REGION—AIRPORTS—DESIGN AND CONSTRUCTION

Unique structures of the Borispol' airport terminal. M. G. Ivantsov, E. V. Patsko. Transp. stroi. 16 no. 4 20-22 Ap '66.

# KIEV REGION—SHREWS

Discovery of a nest of the little shrew (Sorex minutus L.). V. O. Mchzhernin. Nauk. zap. Kyiv univ. 18 no. 1 154-155 '66.

# KIEV REGION—WATER, UNDERGROUND

Depression of the Butchakian-Kanav aquifer in the Kiev region. M. G. Kostianov, O. S. Shpolians'kii. Geol. zhur. 21 no. 1 78-82 '61.

# KILNS

Breakdown of an annular kiln due to a change in the temperature cycle. M. L. Rogovoi. Stroi. mat. 7 no. 12 23-25 D '61.

Improving the lining of the cars in tunnel kilns. V. A. Trishin. Stroi. mat. 7 no. 11 30 N '61.

# KILNS, ROTARY

Causes of damaging of reinforced concrete supports of rotary cement kilns. V. Podols'kii and others. Prom. stroi. i mzh. soor. 8 no. 6 3-5 N-D '66.

Performance of rotary kilns with shaft-type heat exchangers in clay firing for geog. P. D. Orlov. Ogneupor. 31 no. 12 5-8 F '66.

Use of ribbed lining in rotary kilns for roasting keramzit. V. P. Gorniykh. Stroi. mat. 7 no. 12 30-31 D '61.

# KIMBERLITE

(See also subdivision under Yakutia)

First data on rare earths in kimberlite rocks. V. V. Bui-kov, E. K. Podporina. Dokl. AN SSSR 171 no. 4 970-973 F '66.

Sphère-like inclusions of kimberlites of early generation in eruptive kimberlitic breccias. A. D. Khaiviv. Izv. AN SSSR Ser. geol. no. 1 87-91 Ja '67.

# KINDERGARTEN

Demurova, E. I., and L. F. Osirovskaya, comps. [The head of a kindergarten] Zavedeniushchala detskimi sadom. Moskva, Prosveshchenie, 1966, 142 p. (NIC)

# KINEMATICS

Tikhon, Boris. [Use of a theorem on kinetic energy in the dynamics of a system] Kineticheskaia teorema sistem dnamikas. Tallin, Tallinna Politehniline institut, 1965, 36 p. [In Estonian]

# KINEMATICS OF MACHINERY see Machinery, Kinematics of

# KINSHMA (IVANOV PROVINCE)—HISTORY

Vinogradov, I. N. [Summer lightning of the upper Volga region] Zarnitsy Verkhnego Povolzh'ia. Leningrad, Verkhne-Volzhskoe knizhnoe izd-vo, 1966, 125 p. (CS-11)

# KINETIC THEORY OF GASES see Gases, Kinetic Theory of

# KIRGHIZ see subdivision under Yenisey Valley

# KIRGHIZISTAN—BILINGUALISM

Some types of bilingualism in Kirghizistan. B. O. Oruzbaeva. Izv. AN Kir. SSR no. 2 82-89 5-O '66.

# KIRGHIZISTAN—COTTON—DISEASES AND PESTS

Root rot of cotton. B. Sanginov, G. Malitsva. Zashch. rast. 12 no. 1 17-18 '67.

# KIRGHIZISTAN—DISCOVERY AND EXPLORATION

Brief outline of the history of geographical study of Kirghizistan. S. U. Umurzakov. Trudy Inst. ist. est. i tekhn. 12 1-39 '62.

# KIRGHIZISTAN—ECONOMIC CONDITIONS

Development of the national economy of Kirghizistan; a short study. Razvitiye narodnogo khoziaistva Kirgizii, knizhka ocherk. [Frunze] Izd-vo Kirgizstan, 1966 565 p.

# KIRGHIZISTAN—ELECTION LAW

Kirgiz S. S. R., Laws, statutes, etc. [Statute on elections to province, district, city, and village, and settlement soviets of workers' deputies in the Kirgiz S. S. R., Adopted by decree of the Presidium of the Supreme Soviet of the Kirgiz S. S. R., October 7, 1956. With amendments introduced by decree of the Presidium of the Supreme Soviet of the Kirgiz S. S. R., January 9, 1963] Polozheniye o vyborakh v oblastiye, raionnye, gos. i dist. alnye, sel'skie i poselkovye Sovety deputatov iuditschikhsia Kirgizskoi SSR. Utverzhdeno Ukazom Prezidiuma Verkhovnogo Soveta Kirgizskoi SSR ot 7 oktobra 1956 g. S izmeneniyami i dopolneniyami, vnesennymi Ukazom Prezidiuma Verkhovnogo Soveta Kirgizskoi SSR ot 9 yanvaria 1963 g. Frunze, Izd-vo Kirgizstan, 1965, 27 p.

# KIRGHIZISTAN—GEOGRAPHICAL RESEARCH

Brief outline of the history of geographical study of Kirghizistan. S. U. Umurzakov. Trudy Inst. ist. est. i tekhn. 12 1-39 '62.

# KIRGHIZISTAN—GEOGRAPHY—BIBLIOGRAPHY

Eastern Siberia in the Russian geographical literature of the first half of the 19th century. G. V. Naumov. Trudy Inst. ist. est. i tekhn. 12 10-12 '62.

# KIRGHIZISTAN—GOTER

Iodine content in the thyroid gland in health and in various forms of goiter in Kirghizistan. P. P. Gaisintova. Probl. endok. i gorm. 8 no. 6 82-81 N-D '62.

# KIRGHIZISTAN—INDUSTRIES

Kravtsov, V. I. [Industrial development and technological progress] Razvitiye promyshlennosti i tekhnicheskii progress. Frunze, Kirgizskoe gos. izd-vo, 1967, 20 p.

# KIRGHIZISTAN—IRRIGATION CANALS AND FLUMES—DESIGN AND CONSTRUCTION

Eliminate deficiencies in the irrigation construction of Kirghizistan. R. Alimov, K. Kosharov. Fiz. SSSR 11 no. 1 28-30 Ja '67.

# KIRGHIZISTAN—PLANTS, PROTECTION OF

Forecasting service in Kirghizistan. T. Gofubhyskai, Zashch. rast. 12 no. 1 14-16 '67.

In Kirghizistan. I. Mamrtaev. Zashch. rast. 12 no. 1 3-5 '67.

Kirgiz quarantine inspection. I. Bogachev. Zashch. rast. 12 no. 1 52-53 '67.

# KIRGHIZISTAN—PLANTS, PROTECTION OF—RESEARCH

What the scientists are working on. R. Gafullina, F. Markov. Zashch. rast. 12 no. 1 6-10 '67.

# KIRGHIZISTAN—SOIL SCIENCE

Development of soil science in Kirghizistan and its further tasks. N. K. Barhenov. Pochvovedeniye no. 1 135-137 Ja '67.

# KIRGHIZISTAN—STATISTICS

Kirgiz S. S. R., Statistical statistical management. [Soviet Kirghizistan for 40 years, 1926-1966; a statistical abstract] Sovetskii Kirgizstan za 40 let (1926-1966); statisticheskii sbornik. Frunze, Izd-vo Kirgizstan, 1966, 180 p.

# KIRGHIZISTAN—TECHNOLOGICAL INNOVATIONS

Kravtsov, V. I. [Industrial development and technological progress] Razvitiye promyshlennosti i tekhnicheskii progress. Frunze, Kirgizskoe gos. izd-vo, 1967, 20 p.

# KIRGHIZISTAN—TREMOLITE

Metamorphic tremolite rocks of Balykulsakoye ore zone. V. A. Khoryat. Nauch. trudy TashGU no. 231. Geol. nauki no. 20, 280-284 '64.

# KIRGHIZISTAN—URANIUM

Uranium in minerals of intrusion rocks in the Kyzyl-Ompul Mountains (northern Kirghizia). L. L. Leonova, L. S. Pogiblova. Geokhimiya no. 10 901-906 '61.

# KIRGHIZISTAN—WEED CONTROL

Low-volume spraying in chemical weed control. V. Sukhikh. Zashch. rast. 12 no. 1 10 '67.

# KIRGHIZISTAN—WHEAT—FERTILIZERS AND MANURE

Effect of fertilizers on the development of the "Kavkazskaya" 196 wheat variety in southern Kirghizistan. V. I. Pavliukov. Vest. sel'khoz. nauch. i tekhn. 10 no. 1 13-15 Ja '67.

# KIRGHIZISTAN—WHEAT—VARIETALS

Amino acid composition of the grain proteins of the winter wheat varieties of Kirghizistan. N. N. Yul'ina, E. A. Akhmedova. Izv. AN Kir. SSR no. 2 47-50 '66.

# KIROV—WOOD-INDUSTRIES

Through the efforts of the collective. A. V. Mironov. Gidroliz i lesokhimiya, 15 no. 5 22 May '67.

# KIROV PROVINCE—FOREST PRODUCTS

Unused forest gifts. A. Katsin. Zakup. sel'khoz. prod. no. 8 15 Ag '66.

# KIROV PROVINCE—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Provide motor vehicle transportation with high technical requirements. P. Smirnov, A. Gusev. Izv. sel'khoz. 27 no. 1 40-50 '67.

# KIROV PROVINCE—STATE FARMS—FINANCE

Necessary profit norm. P. Shugayev. Prom. i fin. 42 no. 1 72-74 '67.

# KIROVABAD—PUBLIC HEALTH

History of the development of public health in Kirovabad. 1941-1965. A. V. Manishev. Azerb. med. zhur. 11 no. 12 42-47 D '66.

# KIROVOGRAD—MACHINERY INDUSTRY—MANAGEMENT

Development and introduction of the planing of the organization of labor at Kirovograd Machine Plant. M. D. Medvedevskii. Tekhn. i organiz. 10 no. 11 11 '66.

# KIROVSK—ORE DRESSING PLANTS

Based on real facts. V. Lomonova. Part. zhizn' no. 4 17 F '67.

# KIROVODSK—HEALTH RESORTS, WATERS, PLANTS, ETC.

Leucopenia in sanatorium patients and its dynamics during the treatment period in Kirovograd. S. N. Orskan. Vopr. kur. i fizioter. i lech. fiz. kul't. 31 no. 5 523-526 '66.

# KIZIL BASIN—COAL MINES AND MINING—ACCIDENTS

Accidents in the Lenin Coal Mine and the "Kavkazskaya" Coal Mine No. 33 of the Kizilgols'kii Trust. V. A. Kinskii. Bezop. truda v prom. 11 no. 1 12-15 '67.

# KIZIL BASIN—COAL MINES AND MINING—SAFETY MEASURES

Water injection into coal seams and its influence on the quality. A. A. Khramovskii. Izv. V. Kuznetsov. 12 no. 1 65-67 Ja '67.

# KIZIL BASIN—MINING GEOLOGY

Method of determining probable annual average amount of mine water according to surface discharge. V. A. Lomonova. Izv. vys. uchob. zav. i gor. zhur. 10 no. 1 1 '67.

# KIZIL KUM see Kyzyl Kum

# KLIMENT, Bishop of Sverdlovsk and Kurgan, 1961-

Address of His Holiness Patriarch Alexii on behalf of the patriarchal exhortation to Kliment, Bishop of Sverdlovsk and Kurgan. Zhur. Morsk. Patr. no. 12 218-21 '66.

Nomination and consecration of Archbishop Kliment (Pavlovskii) as Bishop of Sverdlovsk and Kurgan. Zhur. Morsk. Patr. no. 12 222-26 '66.

# KLYAZ'MA VALLEY—STONE AGE

Statement. L. D. Shorygina. Trudy Kom. chetv. pr. 12 226-227 '61.

Sungir' site, its age and place in the Paleolithic of Eastern Europe. O. N. Bader. Trudy Komm. i etn. 15 122-131 '61.

# KLYUCHI REGION (KAMCHATKA)—PHENOLOGY

Seasonal rhythms of nature in the region of the village of Klyuchi. P. N. Mankonov. Vopr. geog. Kuznec no. 4 23-31 '66.

# KNEE—WOUNDS AND INJURIES

Regeneration of the synovial membrane of the knee joint. Preliminary report. V. V. Gnatcharenko, Otkryt. izv. i protez. 27 no. 13 28-34 D '66.

# KNIT GOODS

Experimental wear of knit underwear. D. I. Ginter. Izv. vys. uchob. zav. i tekhn. i og. prom. no. 6 34-44 '67.

## KNITTING MACHINES

Kaisereisenbogen, A. M., and O. D. Galanina. [Machines and technology of the warp-knitting industry.] Mashiny i tekhnologiya osnovovlazi'nogo proizvodstva Izd. 2, p. peretr 1 dop. Moskva, Legkaya Industriya, 1966 429 p.

## KNITTING MACHINES—TECHNOLOGICAL INNOVATIONS

Par'zou, Knitters Prom. Bel. 10 no. 154-55 Ja '67

## KNITTING MACHINES—TRANSMISSION DEVICES

Designing a gear transmission between the cylinder and the disk on knitting machines. V. N. Garbairuk. Izv. vyz. ucheb. zap., tekhn. log. prom. no. 6, 116-123 '66.

## KNOWLEDGE, THEORY OF

Cognition and practice. M. Zimolina. Komm. Uki. 36 no. 987-71 S '60.

Niels Bohr and the theory of epistemology G. A. Kutsinov. Priroda no. 1-10 Ja '67.

Nikolayev, I. L., Smirnov, and I. Turchaninov. [Initial principle of the theory of knowledge] Iskhodnyi printsip teorii poznanii. Tashkent, "Uzbekistan," 1966. 56 p. (CS-11)

Rehne, Jaan. [Social characteristics of cognition] Tunnuse ühiskondlikust iseloomust Tallinn, Eesti Raamat, 1967 125 p. [In Estonian]

Solov'ev, E. I. U. [Existentialism and the theory of knowledge] Ekzistentsializm i nauchnoye poznanie, Moskva, Vysshaya shkola, 1966. 154 p.

Vodinskii, E. I. [Russian Neo-Kantianism in the late 19th and early 20th century, Marxist-Leninist criticism of its ontology and gnosology] Russkoe neokantianstvo kontsa XIX-nachala XX vekov, marksistsko-leninskaya kritika ontologii i gnosologii [Leningrad] Izd-vo Leningr. univ., 1966 77 p.

## KOBULADZE, SERGEI SOLOMONOVICH, 1909-

Sergei Kobuladze. D. Perekhov. V mite knig 6 no. 6-4d 11 '66

## KOBYSTAN—GEOLOGY

History of geological development of northeastern Kobystan in Cenomanian and conlation time. B. A. Khilov. Izv. vyz. ucheb. zav., nef't i gaz. 9 no. 8-12-11 '66

## KOBYSTAN—PETROLEUM—ANALYSIS

Analysis of Kobystan oils. G. G. Ashumov and others. Shoi. trud. AN NII NP no. 3 10-31 '58.

## KOCHEVO DISTRICT—CRIME PREVENTION

How to prevent criminal offenses. G. Shalimov. Sots. znan. 48 no. 7 68-69 11 '61

## KOEPPEN, WOLFGANG, 1906-

1 dead man teaches for the living. L. Kopcev. Nov. mir 42 no. 7 260-261 31 '66

## KOKCHETAV PROVINCE—GRAIN—DRYING

At the grain receiving enterprises of Kokchetav and Kostanay Provinces in Kazakhstan. A. Manulov. Msh. elev. prom. 26 no. 4, 21 Ap '60

## KOKCHETAV UPLAND—ZIRCON

Typomorphology of crystals of accessory zircon and its use in correlation of granitoids of Kokchetav block. A. V. Kravtshikov. Min. shoi. 20 no. 1541-546 '66

## KOKOVTSOV, MATVEI GRIGOR'EVICH, 1745-1793

A forgotten name. L. B. Svetlov. Vop. bel. 12 no. 1 215-216 Ja '67

## KOLA PENINSULA—LAPPS

Dwelling places of the Saams (Lapps) on the Kola Peninsula in the late 19th and early 20th centuries. T. V. Iukhtanchenko. Sov. etn. no. 6 3-16 N-D '66

## KOLA PENINSULA—ROCKS, IGNEOUS

[Grenyakhina-Vyrmes Massif in the Kola Peninsula] Masiv Grenyakhina - Vyrmes na Kolt'skom polostroye. [By] A. A. Polkanov i dr. Moskva, Nauka, 1967. 235 p.

## KOLKHIDA LOWLAND—PALEOBOTANY, STRATIGRAPHIC

Third supplement to the Kodor Pliocene flora. A. A. Kolakovskii. Trudy Sukh, bot. sada no. 13 33-54 '60.

## KOLKHOZES see Collective farms

## KOLLI, NIKOLAI DZHEMSOVICH, 1893-1966

Nikolai Dzhemsovich Kolli; obituary. Arkhit. SSSR. no. 1 63 '67.

## KOLOMNA—GAS TURBINE LOCOMOTIVES—DESIGN AND CONSTRUCTION

At the Kolomna Diesel Locomotive Plant. G. A. Dobrotin. Energomashinostroyeni 6 no. 9-43 S '60.

## KOMANDORSKIYE ISLANDS

Komandorskiye Islands. I. T. Makhorkin. Vop. geog. Kamch. no. 4-3-10 '68

## KOMANDORSKIYE ISLANDS—CLIMATE

Climate of Komandorskiye Islands. I. A. Kusanova. V. G. Savchenko. Vop. geog. Kamch. no. 4 11-22 '68

## KOMANDORSKIYE ISLANDS—EARED SEALS

Numbers and distribution of Steller's sea lions in the (waters of Komandorskiye Islands in the summer of 1965. E. V. Khromovskikh. Vop. geog. Kamch. no. 1 11-117 '66.

## KOMI A.S.S.R.—AGRICULTURE—CONGRESSES

Development and the distribution of the productive capacity of the Komi A.S.S.R. V. Vasilchenko. Ekon. sel'khoz. 12 no. 1 121-123 '67

## KOMI A.S.S.R.—COMMUNIST PARTY OF THE SOVIET UNION

District party committees are reporting about their work. Part zhizni' no. 1 61 F '67

## KOMI A.S.S.R.—NATURAL RESOURCES—CONGRESSES

Use of the natural resources of the north. V. V. Vinogradov. G. P. Savchenko. Vop. ekon. no. 1 155-158 Ja '67.

## KOMI A.S.S.R.—OIL WELLS—AIR-GAS LIFT

Free piston pumping should be used widely. A. Popov. Nef'tianik 11 no. 10 26-27 O '66.

## KOMI A.S.S.R.—PETROLEUM PRODUCTION

Introducing scientific labor organization into Ushita Combine. E. Viktorovich. Nef'tianik 11 no. 10 28-30 O '66

## KOMI A.S.S.R.—WOMEN

[About our women] O nashih zhenshchinakh. [Syktyvkar] Komi khizninoz izd-vo, 1966. 157 p. (NIC)

## KOMSOMOL'SK (UKRAINE)—BLAST EFFECT

Results of studies on reducing seismic effect of large-scale blasting. N. U. Timuta and others. Vziy. delo no. 61/61:61-104 '66

## KONCHALOVSKII, PETR PETROVICH, 1876-1956

Lessons in P. Konchalovskii's creative work. M. Nelman. Iskustvo 29 no. 12 36-40 '66

## KONI, ANATOLII FEDOROVICH, 1844-1927

Shadows come to life. E. Ginzburg. Nov. mir 42 no. 7 257-260 31 '66

## KONKA VALLEY—ROCKS, IGNEOUS

Pre-Cambrian volcanic formations in the Konka region of the Ukrainian Crystalline Shield. V. D. Ladnitsa. Geol. zhur. 21 no. 2 41-51 '61

## KOPEL'MAN, SOLOMON LAZAREVICH, 1887-1966

Solomon Lazarevich Koppel'man, an obituary. Vest. rent. 1 10, 11 no. 6:104 N-D '66.

## KOPEYSK (CHELYABINSK PROVINCE)—COAL PREPARATION PLANTS—EQUIPMENT AND SUPPLIES

Testing the operation of pneumatic separators in Kopeysk Pneumatic Dressing Plant. R. P. Moskvchenko. Izv. vyz. ucheb. zav., gor. zhut. 10 no. 1:167-171 '67.

## KOPPERLYA VALLEY—CAVES

Karst bridge in the Kopperlya Valley. I. A. Pecherkin. Peshchery no. 2 67-69 '62

## KOPPERLYA VALLEY—KARST

Karst bridge in the Kopperlya Valley. I. A. Pecherkin. Peshchery no. 2 67-69 '62.

## KORCZAK, JANUSZ, pseud. see Goldszmit, Henryk, 1878-1942

## KOREA, NORTH—ECONOMIC CONDITIONS

Labor achievements. D. Beneslavskii. Mezhdunar. zhizn' 14 no. 2:128-129 '67.

## KOREA, NORTH—ROCKS, SEDIMENTARY

Laboratory evaluation of usefulness of sedimentary rocks of North Korea for paleomagnetic studies. G. Z. Gurarii and others. Izv. AN SSSR. Fiz. zem. no. 11:128-135 '66

## KOREAN DIPLOMATS see Diplomats, Korean

## KOROSTEN' DISTRICT—EARTH TEMPERATURE

Study of paleotemperatures of formation of granitoids in Korosten' pluton. E. P. Gurov, E. I. Marchenko. Izv. AN SSSR, Ser. geol. no. 1:83-87 Ja '67.

## KOROSTEN' DISTRICT—GRANITE

Study of paleotemperatures of formation of granitoids in Korosten' pluton. E. P. Gurov, E. I. Marchenko. Izv. AN SSSR, Ser. geol. no. 1 83-87 Ja '67.

## KORSAKOFF'S SYNDROME

Characteristics of fixed attitude in Korsakoff's syndrome patients. B. I. Bezholdskii. Sob. AN Gruz. SSR 44 no. 3:333-338 D '66.

S. S. Korsakoff's amenia and current viewpoint as to the nature of schizophrasia. I. F. Sluchevskii. [Trudy] GIDU. no. 1 6-11 '62.

## KORYAK NATIONAL AREA—TAPEWORMS

Occurrence of alveolar echinococcosis among the population of the Koryak National Area. V. E. Kuznetsov. Vop. geog. Kamch. no. 4 119-121 '66

## KORYAK RANGE—GEOLOGY

Eglazarov, B. Kh., and others. [Geology and minerals of the Koryak Highland] Geologiya i poleznye iskopaemye Koriakskogo nagoz'ia. Leningrad, Nedra, 1975 311 p. charts, maps, insert. (Leningrad Nauchno-issledovatel'skii institut geologii Arkhiki Trudy, vol. 148)

## KORYAK RANGE—MINES AND MINERAL RESOURCES

Eglazarov, B. Kh., and others. [Geology and minerals of the Koryak Highland] Geologiya i poleznye iskopaemye Koriakskogo nagoz'ia. Leningrad, Nedra, 1965 341 p. charts, maps, insert. (Leningrad Nauchno-issledovatel'skii institut geologii Arkhiki Trudy, vol. 148)

## KORYUKOVKA REGION (UKRAINE)—PAPERMAKING MACHINERY

Practices in feeding cotton to calendar rolls at the Koryukovka Factory of Technical Paper. S. M. Zadnupov'skyi. Izis hosp. i lis., pap. i der. prom. no. 1 30-31 Ja-T '67

## KOS-ANATOL'SKII, ANATOLII IOSIPOVICH, 1909-

Volsky, I. Z. [Anatolii Iosipovich Kos-Anatol'skii, a sketch of his life and work] Anatolii Iosipovich Kos-Anatol'skii, naizys pio zhyt'ia i tvorchist'. Kyiv, Mystetstvo, 1965. 74 p. (CAOTU)

## KOSTOMAROV, GRIGORII DEMENT'EVICH, 1806-

Brief news. Vop. ist. KP'SS II no. 2:156-158 F '67.

## KOSTROMA PROVINCE—AGRICULTURE

Skillful management. Part zhizni' no. 4-61-62 F '67.

## KOTOVSKII, GRIGORII IVANOVICH, 1881-1925

Legendary hero. Voen. vest. 41 no. 6:123 Je '61

## KOTSUBYNS'KYI, MYKHAILO, 1864-1913—LANGUAGE

Moldavian everyday vocabulary in the stories of M. M. Kotsubyn'skyi. I. I. Oshechynko. Leksykol. i lekssylogi. no. 2:95-105 '66.

## KOTUR-TEPE OIL FIELD—GAS, NATURAL—PIPE LINES

Gathering of casing head gas in Kotur-Tepe oil field. Tukmen S. S. R. P. D. Tarakanov. Gaz. prom. 11 no. 12-13 '66

## KOTUR-TEPE OIL FIELD—GAS, NATURAL—SEPARATION

Gathering of casing head gas in Kotur-Tepe oil field. Tukmen S. S. R. P. D. Tarakanov. Gaz. prom. 11 no. 12-13 '66.

## KOTZEBUE, OTTO VON, 1787-1846

O. P. Kotzebue's voyages round the world and their importance for the geographical sciences. V. A. Esakov. Trudy Inst. ist. i tekhn. 12 130-150 '62.

## KOVALEVSKII, MAKSIM MAKSIMOVICH, 1851-1916

M. M. Kovalevskii; on the 50th anniversary of his death. B. A. Kalov. Sov. etn. no. 6 30-42 N-D '66

## KOVAL'SKII, ALEKSANDR ALEKSEEVICH, 1906-

Aleksandr Alekseevich Koval'skii, on his sixtieth birthday. Kin. i pat. 7 no. 6:106-1108 N-D '67.

## KOZLOVSKII, MECHESLAV IUR'EVICH, 1870-1927

Early history of Soviet criminal law. V. Ivanov. Sov. iust. 31 no. 3:11-13 F '67.

## KRAMAROV, VLADIMIR SAVICH, 1906-

60th birthday of Corresponding Member of the All-Union Academy of Agricultural Sciences Vladimir Savich Kramarov. V. Gubko. Vest. sel'khoz. nauci 11 no. 12: 127-128 D '66.

## KRAMATORSK—DRUGSTORES

Results of the work of the Central District Pharmacy. S. M. Opshin, L. I. Lynova. Farmatsev. zhur. 10 no. 3:71-77 '63.

## KRAMATORSK—MACHINERY INDUSTRY—MANAGEMENT

Principal trends of work. B. Semenov. Sots. iust. 12 no. 2:81-83 F '67.

## KRASIL'NIKOV, PAVEL ALEKSANDROVICH, 1902-1966

P. A. Krasil'nikov; obituary. Prom. stroi. 44 no. 12-41 '66.

## KRASIN, LEONID BORISOVICH, 1870-1926

People's Commissar Krasin's note. Vnech. org. 46 no. 11:4-6 '68.

**KRASNODAR—ELECTRIC INDUSTRY WORKERS**  
Scientific organization of labor as a means of economizing.  
Pril. zhurn. no. 2-67 Ja '67

**KRASNODAR TERRITORY—ERRIES—GRADING**  
In the construction of a road in Zheleznyy  
pril. no. 11-12-13 Ja '66

**KRASNODAR TERRITORY—BOOKSELLERS AND BOOK-  
SELLING**

Concerns of rural managers V. Svirshchevskiy Knizh-  
torg. 18 no. 1-29 Ja '67

**KRASNODAR TERRITORY—CUCUMBERS**  
Technical characteristics of the "Uppekha" cucumber  
variety R. M. Ponomarev, A. N. Katiushin  
Krasnod. prikl. 17 no. 3-23-24 Ja '62

**KRASNODAR TERRITORY—DISPENSARIES**

Organization of local hematology and dispensary  
service for patients with leukemia V. N. Lebedev and  
others. Probl. gemat. i prikl. 10 no. 12-50-55  
D '65

**KRASNODAR TERRITORY—GRAIN**

Vorobey, G. I. [Economics and organization of grain  
production] Ekonomika i organizatsiya proizvodstva  
serni, Moskva, Kolos, 1965, 219 p.

**KRASNODAR TERRITORY—LEUKEMIA**

Organization of local hematology and dispensary  
service for patients with leukemia V. N. Lebedev and  
others. Probl. gemat. i prikl. 10 no. 12-50-55  
D '65

**KRASNODAR TERRITORY—OIL WELLS—HYDRAULIC  
FRACTURING**

Hydraulic fracturing is effective in combination with  
completions, perforation of casing-tubing B. Mikhlin,  
V. Kuznetsov. Neftianik 11 no. 9-28 S '66

**KRASNODAR TERRITORY—PLASMODIUM**

Detection of Plasmodium ovale in residents of Krasnodar  
Territory infected in Guinea V. N. Bodylevskiy Med.  
prikl. i prikl. 35 no. 6-73 N-D '66

**KRASNODAR TERRITORY—STUDENT ACTIVITIES**

In a rural school after classes A. Belousov, Nar. obi.,  
no. 1-73 Ja '67

**KRASNODAR TERRITORY—SWINE**

Labor organization on mechanized swine-breeding farms,  
V. I. Vefev Dokl. AN SSSR no. 28-56-61 '65

**KRASNODAR TERRITORY—TECHNICAL EDUCATION**

Creative quest of Kuban students E. F. Lesin, V. E.  
Gurin. Shkola i prodv. 10 no. 12-54-56 D '66

**KRASNODAR (LUGANSK PROVINCE)—HISTORICAL  
MUSEUMS—DESIGN AND CONSTRUCTION**

"Young Guard" Museum in Krasnodar, V. Smirnov  
Str. i arkh. 15 no. 1-35-36 Ja '67

**KRASNOGRAD DISTRICT—CIVIL DEFENSE—STUDY  
AND TEACHING**

The training exercise and demonstration P. Kurenkov  
Voen. znani 43 no. 1-28 Ja '67

**KRASNOGRADSKY DISTRICT (BELGOROD PROV-  
INCE)—SWINE—FEEDING AND FEEDS**

Swine fattening on an industrial basis, I. A. Konstantinov,  
Zakup sel'khoz. prod. no. 6-35-36 Ag '66

**KRASNOYARSK—BOOKSTORES**

These are people's stores, S. Paichadze, Knizh. torg.,  
17 no. 11-22 N '66

**KRASNOYARSK HYDROELECTRIC POWER STATION**

Smooth blasting in building Krasnoyarsk Hydroelectric  
Power Station A. A. Feshchenko, Vozv. delo no. 61/81:  
21-34 '68

**KRASNOYARSK HYDROELECTRIC POWER STATION  
REGION—CRANES, DERRICKS, ETC.**

The main problem is to shorten the cycle of operation,  
A. A. Popov, Na stroit. 4 no. 6-5 Ag '63

**KRASNOYARSK TERRITORY—BITUMEN—GEOLOGY**

Petroleum bitumens in connection with dikes of alkali-  
ultrabasic rocks of Mamcha-Kotuy igneous rock region,  
I. S. Gol'dberg, Dokl. AN SSSR 172 no. 1-191-194 Ja '67.

**KRASNOYARSK TERRITORY—COMMUNIST PARTY OF  
THE SOVIET UNION—PARTY WORK**

Helpers of the party, N. Tatarskiy Agitator 34  
no. 4-5 F '67

**KRASNOYARSK TERRITORY—DIKES (GEOLOGY)**

Petroleum bitumens in connection with dikes of alkali-  
ultrabasic rocks of Mamcha-Kotuy igneous rock region,  
I. S. Gol'dberg, Dokl. AN SSSR 172 no. 1-191-194 Ja '67.

**KRASNOYARSK TERRITORY—HUMUS**

Genesis of the second humus horizon in gray forest soils  
of Krasnoyarsk Territory F. M. Nannov, Pochvoved-  
enie no. 3-50-61 M '69

**KRASNOYARSK TERRITORY—LABOR AND LABORING  
CLASSES**

The two day work week, production, and the sphere of  
service O. G. Gromov, I. Proskol, Sots. tuzh. 12 no. 2  
127-133 F '67

**KRASNOYARSK TERRITORY—PROSPECTING**

Results of a geological field trip in Krasnoyarsk Terri-  
tory in 1955 D. M. Solov'ev, Razved. i okh. nedr. 26  
no. 1-60-61 M '60

**KRASNOYARSK TERRITORY—SCHOOL MANAGEMENT  
AND ORGANIZATION**

A city department of education and the schools, IU. Ku-  
znetsov, Nar. obi. no. 1-18-22 Ja '67

**KREMENCHUG—CARBON BLACK**

Production of PM-100 carbon black at the Kremenchug  
Carbon Black Plant V. P. Zuev and others, Kauch. i  
rez. 25 no. 12-26-27 '66

**KREMENCHUG HYDROELECTRIC POWER STATION**

Decree of the Presidium of the Supreme Soviet of the  
U. S. S. R. awarding the title of Hero of Communist  
Labor to construction and assembly workers of the  
Kremenchug Hydroelectric Power Station Gid. stroit.  
32 no. 11-6 N '61

A great stride forward in the electrification of the  
country Gid. stroit. 32 no. 11-3-4 N '61

**KREMENCHUG REGION—IRON SILICATES**

Tectogenesis and volcanism as main factors in the forma-  
tion of Proterozoic iron-silicate layers in the Kremenchug  
iron-ore region I. N. Bordinov, Geol. zhurn. 21  
no. 2-25-30 '61

**KREMENCHUG REGION—TUFFITES**

Tuffites containing chert in the cross section of rocks of  
the Sakagani series in the Kremenchug anomaly I. N.  
Bordinov, Geol. zhurn. 19 no. 6-92-98 '59

**KREMLIN** see subdivision under Moscow

**KREUTZWALD, FRIEDRICH REINHOLD, 1803-1882**

Annals, August. [Origin and artistic peculiarities of  
Friedrich Reinhold Kreutzwald's fairy tales] Friedrich  
Reinhold Kreutzwald muinasjutade algupara ja kunst-  
iline laad Tallinn, Eesti Raamat, 1960 449 p. [In Es-  
tonian]

**KRIVORY ROG BASIN—BARTITE**

Morphology of inclusions and defects of barite crystals  
from Krivory Rog Basin E. I. Rybichok, N. I. Korolko,  
Min. sbor. 20 no. 4-605-607 '66

**KRIVORY ROG BASIN—ELECTRIC LOCOMOTIVES—  
DESIGN AND CONSTRUCTION**

Modernization of KR-type electric locomotives, K. M.  
Vellchko, Bezop. tuzh. v. prom. 11 no. 1-51-55 Ja '67.

**KRIVORY ROG BASIN—GEOLOGY, STRUCTURAL**

Magnetic field and structure of the Nikopol'-Kryvory Rog  
region, N. P. Mikhailova, Geol. zhurn. 19 no. 6-44-53  
'59

**KRIVORY ROG BASIN—IRON MINES AND MINING**

Influence of large-scale caving of hanging side rocks on  
mining operations D. Z. Shleif, G. S. Shikrebko, Izv.  
vys. ucheb. zav. i gor. zhurn. 10 no. 1-10-13 '67

**KRIVORY ROG BASIN—IRON MINES AND MINING—  
EQUIPMENT AND SUPPLIES**

Equipment for the mouths of inclined shafts in the Krivory  
Rog Basin I. D. Shifan, Shakh. stroit. 5 no. 11-20-  
22 N '61

**KRIVORY ROG BASIN—IRON ORES**

Influence of the type of lime additives upon flocculating  
action of polyacrylamide, G. B. Del'tayna, Izv. vys.  
ucheb. zav. i gor. zhurn. 8 no. 9-175-178 '65

**KRIVORY ROG BASIN—IRON ORES—SAMPLING AND  
ESTIMATION**

Reliability of explored reserves of iron-ore deposits of  
the Sakagani belt, S. M. Selektor, Razved. i okh. nedr.  
26 no. 8-16-23 Ag '60

**KRIVORY ROG BASIN—LOGGING (GEOLOGY)**

Using combined logging methods in prospecting for iron  
ores in the Krivory Rog Basin, I. E. Dushko, Z. I. Mu-  
romtseva, S. S. Tsyul'n'ova, Geol. zhurn. 21 no. 2-80-  
81 '61

**KRIVORY ROG BASIN—MINE RAILROADS—ELECTRIFICA-  
TION**

Results of timed observations relative to the operation of  
14KR1 and 25KR2 electric mine locomotives in conditions  
of Krivory Rog Basin mines, A. A. Rengevich, M. K.  
Mekhuda, G. I. Kudella, Gor. elektromekh. i avtom.  
no. 1-76-81 '65

**KRIVORY ROG BASIN—MINE SAFETY**

Technical efficiency of ventilation methods during the  
mining of blind workings P. B. Kuznetsov and others  
Bezop. tuzh. v. prom. 11 no. 1-17-19 Ja '67

**KRIVORY ROG BASIN—ORE DRESSING**

Reaction building of an iron ore dressing plant Z. I.  
Kondratenko, Prom. stroit. 10 no. 1-10-11 '61

**KRIVORY ROG BASIN—ORE DRESSING PLANTS—EQUIP-  
MENT AND SUPPLIES**

A remote control method of the pneumatic mechanism  
for the removal of material from rotary furnaces for mag-  
netic sorting of ore to secondary instruments V. M.  
Zapud'ko, N. V. Shchiba, Gor. elektromekh. i avtom.  
no. 1-120-121 '65

**KRIVORY ROG BASIN—ROCKS—ELASTIC PROPERTIES**

Elastic properties of metamorphic rocks of Krivory Rog  
Basin, A. A. Dzhukova, V. S. Gorbunov, M. S. I.  
Ilyukova, Geofiz. sbor. no. 17-18-61 '66

**KRIVORY ROG BASIN—SHAFT SINKING**

Using self-propelled equipment complexes in shaft  
sinking in Krivory Rog Basin, A. L. Semizhukov and  
others, Shakh. stroit. 10 no. 17-18 D '66

**KRIVORY ROG BASIN—SINTERING**

Work practices at the sintering plant of the South  
ing and ore dressing combine I. R. Mikhalek, G. I.  
Rudovskiy, N. M. Berezin, Stroit. 22 no. 5-10-14  
M '62

**KRIVORY ROG BASIN—STRIP MINING—COSTS**

Conditions of mining operations in deep open-pit mines  
with use of high benches V. G. Seltman, M. S. Ilyukova,  
S. A. Bondar, Izv. vuzov. uch. i nauch. zap. i gor. zhurn. 10 no. 1  
23-25 '67

**KRIVORY ROG BASIN—STRIP MINING—EQUIPMENT  
AND SUPPLIES**

Electric loads and unit power consumption of strip min-  
ing S. A. Volokhovskiy and others, Gor. elektromekh. i avtom.  
no. 1-11-11 '65

**KRIVORY ROG BASIN—STRIP MINING—SAFETY PRO-  
CEDURES**

An efficient method of using trawl and multiple  
Krivory Rog Basin, I. Kolenatnikov, IU. S. Mrt.  
Vozv. delo no. 60/17-905-209 '66

Influence of barite changes and their elimination from  
IU. S. Mrt., I. T. Kolenatnikov, Bezop. tuzh. v. prom. 11  
no. 1-41-43 Ja '67

**KROPOTKIN, PETR ALEKSEEVICH, 1842-1921**

P. A. Kropotkin, on the 40th anniversary of his death  
I. A. P. Antoshko, Vost. Morsk. un. Ser. 5 (Geogr.) 16  
no. 6-69-70 Ja-F '61

P. A. Kropotkin on the origin of boulders, N. P. I. et al.  
Study Inst. int. ent. i tekhn. 12-195-211 '67

**KRUCHINA VALLEY—CIRQUES (GEOLOGY)**

Genesis and development of cirques in central Transbaik-  
alia V. P. Prodanov, Vost. Morsk. un. Ser. 5 (Geogr.) 16  
no. 1-60-62 Ja-F '61

**KRUGLIK, ALEXANDER ISAYEVICH, d. 1960**

A. I. Kruglik, obituary, Muz. i elev. prom. 26 no. 3-  
31 M '60

**KRUPSKAYA, NADZHDA KONSTANTINOVNA, 1849-1919**

From N. K. Krupskaya's literary legacy Nov. izd. 1-6  
no. 10-7-19-21 O '62

How I became a Marxist, N. Krupskaya, V. im. i krig.  
6 no. 6-14-8 Je '66

A letter found by a pedagogical club, V. Petrov, Nar.  
obi. no. 2-82 F '67

A new document of N. K. Krupskaya, A. Rybnikov, S. I. et al.  
Nov. Nar. obi. no. 2-81 F '67

**KRYLOV, IVAN ANDREEVICH, 1768-1844**

Sergeev, I. V., Krylov, Monka, Detalska. 11-12, 1966,  
317 p. (Shkol'naya biblioteka)  
(FASU)

**KRYMSHANKHALOV, KHAMZAT**

Singing stones, Aleksandra Platonova, Mel. i muz.  
no. 4-100-108 '66

**KUBA DISTRICT—WEATHER**

Climatic characteristics of the Kuba-Khachma Massif  
in terms of the weather V. M. Pykhunova, Trudy Inst.  
geog. AN Azerb. SSR 9:80-82 '60

**KUBAN—AGRICULTURAL ENGINEERING**

Creative quests of Kuban students, E. F. Lesin, V. E.  
Gurin, Shkola i prodv. 10 no. 12-54-56 D '66

**KUBAN—CORN (MAIZE)**

Two harvests a year in the Kuban, E. D. Rudnev, Zem-  
ledelie 8 no. 4:60-70 Ap '69



**KUBAN—CORN (MAIZE)—FERTILIZERS AND MANURES**  
Fertilizers for irrigated corn in Krasnodar Territory.  
I. P. Il'mov, I. S. Vichukhin, S. A. Lyssina. Dokl. Akad.  
nauk SSSR no. 9:11-15 '66

**KUBAN—DESCRIPTION AND TRAVEL**  
Gorchakov, V. A. [Through the Don Valley and the Kuban]  
Po Donu i Kubani. Leningrad, Khudozhnik RSFSR, 1965,  
35 p.  
(MII)

**KUBAN—OIL WELL DRILLING**  
Russian workers. P. P. Golov, Neftianik II no. 9:19-22  
'66.

**KUBAN—SWINE BREEDING**  
Crossing North Caucasian and Landras swine. G. M.  
Nizhny. Vest. sel'khoz. nauk II no. 11:111-116 '66

**KUBAN—WHEAT BREEDING**  
Results and methods of breeding winter wheat in the  
Kuban. I. I. V. V. Ilenko. Vest. sel'khoz. nauk II no. 11:  
115-118 '66.

**KUCHURGUN VALLEY—GEOMORPHOLOGY**  
Geomorphology of Kuchurgun Valley in Krasnodar-  
Kuban'skaya p. D. D. Bukatchuk, B. V. Burdenko.  
Dokl. AN SSSR 172 no. 1:663-661 Jan '67

**KUDNIN, IVAN SERGEEVICH, 1900—**  
Ivan Sergeevich Kudnin on his 60th birthday. Arkh.  
mat. i est. izm. 91 no. 12:101-102 D '66.

**KULINZHIL', ARKHIP IVANOVICH, 1842-1910**  
Kulinzhil', G. P., A. I. Kulndzil', Moskva, Iskustvo,  
1966, 102 p.

**KULIBAKIN, VIKTOR SERGEEVICH, 1891—**  
Academician V. S. Kulibakin on his 75th birthday. Izv.  
AN SSSR. Prirogo. i t. nauka, no. 6:3-1 N-D '66

**KULICOV, KASYN, 1917—**  
Many voice K. Korzhavin Nov mir 38 no. 10:231-233  
O '62

**KULUNDA STEPPE—IRRIGATION**  
Irrigation and watering in the Kulunda Steppe. N. A.  
Moskunko. Gidrot. i mel. 11 no. 5:41-47 My '62.

**KUMA VALLEY—SOIL MOISTURE**  
Physical evaporation of moisture from sands and sandy  
soils. N. I. Kulik. Priroda i t. nauka no. 4:103-107 Ap '60.

**KURMADJ REGION (TURKMENISTAN)—PETROLEUM  
GEOLOGY**  
Time of the formation of gas pools in the Kyzyl Kum  
field and oil pools in the Ashgabat sediments of the  
Kurm-dag field. A. I. Stupakov. Nauch.-tekhn. sbor. po  
dob. nefti no. 8:19-23 '60.

**KURGOR DISTRICT—AGRICULTURE**  
Support the initiative of specialists. G. Zhaitkov. Zem'-  
bud. 20 no. 1:65-66 Jan '67.

**KURITSYN, ALEKSANDR PETHOVICH, 1793-1840**  
To the teachers who guarded our youth... (to be con-  
cluded). A. Gerasimov. Sem'ia i shkola 22 no. 1:50-51  
In '67.

**KURPVECH, VASILII PEOFILOVICH, 1897—**  
Vasilii P. Kurpovich on his 70th birthday.  
Vest. AN SSSR. Ser. biol. nauk. no. 1:5-16 '67.

**KURMA LOWLAND—PETROLEUM GEOLOGY**  
New data on geology of southern flank of Lower Kurma  
Depression. V. V. Vecher, S. A. Antvatanurov. Geol.  
i t. nauka 10 no. 12:25-20 D '66.

**KURDISH LANGUAGE—VERB**  
Compound-nominal verbs with the auxiliary "k'at'm" in IU.  
Avallani. Trudy UZGU 95:169-177 '59.  
Compound verbs in Kurdish; compound-nominal struc-  
tures. IU. IU. Avallani. Trudy UZGU 95:137-150 '59.  
Specifying the conception of the passive-objective conjuga-  
tion in the northern dialects of the Kurdish (Kurmanji)  
language. I. I. Tsukomman. Palest. sbor. no. 15:197-  
200 '66

**KURDS**  
Critical review of the version of the Turanian-Turkic ori-  
gin of the Kurds. G. B. Akopov. Vest. obshchestv. nauk  
AN Arm. SSR no. 4:25-43 Ap '66.

**KURDYKA VALLEY—BITUMEN—GEOLOGY**  
Bitumen manifestations in carbonate concretions of grap-  
tolite layers in Kurdyka River. T. K. Bazhenova, S. A.  
Kashchenko, V. G. Matukhina. Dokl. AN SSSR 167 no. 2:  
420-422 Mr '66.

**KURGAN PROVINCE—CHOREA**  
Chorea-thetosis syndrome in tick-borne encephalitis in  
Kurgan Province. G. T. Kolmogorov. Trudy Gos. nauch.-  
issl. inst. patkh. 26:191-200 '61.

**KURGAN PROVINCE—ENCEPHALITIS, EPIDEMIC**  
Chorea-thetosis syndrome in tick-borne encephalitis in  
Kurgan Province. G. T. Kolmogorov. Trudy Gos. nauch.-  
issl. inst. patkh. 26:191-200 '61

**KURILE ISLANDS—FOREST INSECTS**  
[Forest entomofauna of the Kurile Islands, Kamchatka  
Peninsula and Magadan Province] Entomofauna lesov  
Kuril'skikh ostrovov, polostrova Kamchatski, Magadan-  
skoi oblasti. Moskva, Nauka, 1966 137 p.

**KURILE ISLANDS—GEOLOGY, STRUCTURAL**  
Golachev, A. V. [Basic characteristics of tectonic de-  
velopment of the Kurile-Kamchatka zone] Osnovnye za-  
konomernosti tektonicheskogo razvitiia Kurilo-Kamchat-  
skoi zony. Moskva, Nauka, 1966 234 p.

**KURILE ISLANDS—VOLCANOES**  
Erlikh, E. N., ed. [Geochemistry of the Cenozoic Kurile-  
Kamchatka volcanic region] Petrokhimika kainozoiskoi  
Kurilo-Kamchatkskoi vulkanicheskoi provintsi. Moskva,  
Nauka, 1966, 276 p.

**KURSK MAGNETIC ANOMALY—IRON ORES—SAMPLING  
AND ESTIMATION**  
Averaging iron ores in Lebedi deposit strip mines of the  
Kursk Magnetic Anomaly. V. N. Zaitaiskiy, I. U. S. Shche-  
kin. Izv. vuz. ucheb. zav. i gor. zhur. 10 no. 1:55-58 '67

**KURSK MAGNETIC ANOMALY—MINE DRAINAGE—  
EQUIPMENT AND SUPPLIES**  
Structure of filter zones in drainage boreholes and open  
filters. V. M. Gavrilko, V. V. Safonov, V. E. Anpilov.  
Shakht. stroit. 10 no. 12:7-11 D '66.

**KURSK PROVINCE—COMMUNIST PARTY OF THE  
SOVIET UNION**  
Let us not forget the members of the control commissions.  
N. Kamenev. Part. zhizn' no. 3:40 F '67

**KURSK PROVINCE—WEED CONTROL**  
Effectiveness of timely weed control. V. Britzin and  
others. Zashch. rast. 12 no. 1:15-21 '67

**KUSTANAY—INDUSTRIAL MANAGEMENT**  
Not only the leading enterprises, but all should get ready.  
V. Delmege. Nauch. zhur. Kazakh 24 no. 12:30-32 D '66

**KUSTANAY PROVINCE—GRAIN**  
265 million pools of Kustanay grain in the granaries of  
the motherland. A. Borodin. Ekon. sel'khoz. 42 no. 1:  
8-15 '67

**KUSTANAY PROVINCE—WHEAT**  
Spelt, its economic importance and basic problems of  
cultivation practices in southern Chelozens of  
Kustanay Province. A. V. Artushenko. Vest. sel'khoz.  
nauki (Kazakh.) 10 no. 1:37-42 Jan '67.

**KUYBYSHEV—BUILDING INSPECTORS**  
For the quality of construction. S. Petrov, G. Khramen-  
kov. Na stroit. Ros. 1 no. 9:6-7 S '63

**KUYBYSHEV—OIL INDUSTRIES—TECHNOLOGICAL IN-  
NOVATIONS**  
From the work practices of the Kuybyshev Oil Combine.  
T. I. Motova. Mash. i zh. prom. 32 no. 1:45 N '66

**KUYBYSHEV HYDROELECTRIC POWER STATION**  
see Volga Hydroelectric Power Station (Lening)

**KUYBYSHEV PROVINCE—BIOGRAPHY**  
[Everything for the people: stories about the delegates to  
the 23d Congress of the CPSU] Vse o liud'mi, rasskazy  
o delegatakh XXIII s'ezda KPSS. [Kuybyshev] Kuybyshev-  
skoe knizhnoe izd-vo, 1966, 140 p.  
(CSH)

**KUYBYSHEV PROVINCE—BUILDING INSPECTORS**  
Public inspectors are an important force. K. Iakovlev.  
Na stroit. Ros. 4 no. 9:4-6 S '63

**KUYBYSHEV PROVINCE—COMMUNIST PARTY OF THE  
SOVIET UNION—PARTY WORK**  
A review of visual propaganda in the province. Agitator  
34 no. 1:64 F '67.  
A review of visual propaganda in the province. Part.  
zhizn' no. 3:60 F '67.

**KUYBYSHEV PROVINCE—PETROLEUM GEOLOGY**  
Genesis of oil of the coal-bearing layer in the Volga  
Valley portion of Kuybyshev. L. V. Topalov. Biol.  
MOP, Old. geol. 35 no. 5:146-147 S-O '61.

**KUYBYSHEV PROVINCE—TEACHERS, TRAINING OF**  
Training the teachers of industrial education in Kuybyshev  
Province. I. M. Goncharov, P. V. Zudin, V. M. Medvedev.  
Shkola i prom. 10 no. 10:76-78 O '66

**KUYBYSHEV RESERVOIR—BREAM**  
Results of bream tagging in Kuybyshev Reservoir. I. V.  
Sharonov. Trudy inst. biol. vnutr. vod. no. 10:255-260  
'66.

**KUYBYSHEV RESERVOIR—FISH POPULATIONS**  
Changes in fish population composition of Suskán Bay of  
Kuybyshev Reservoir. I. V. Sharonov. Trudy inst. biol.  
vnutr. vod. no. 10:207-221 '66.

**KUYBYSHEV RESERVOIR—FISHES**  
Growth of young fish in Kuybyshev Reservoir in 1966-1967.  
V. M. Chirkova. Trudy inst. biol. vnutr. vod. no. 10:153-  
162 '66.  
State of spawning stock and fish reproduction in Cherem-  
shan and Suskan Bays of Kuybyshev Reservoir. V. M.  
Chirkova. Trudy inst. biol. vnutr. vod. no. 10:29-35 '66.

**KUYBYSHEV RESERVOIR—STURGEONS**  
Some characteristics of sturgeon biology in Kuybyshev  
Reservoir. I. F. Boldina. Trudy inst. biol. vnutr. vod.  
no. 10:119-130 '66.

**KUYTUN DISTRICT—FARM MANAGEMENT**  
Basic problems of the systems of management on collec-  
tive and state farms in Kuytun District. I. A. Pudov.  
Iz. ISKhII no. 24:3-16 '62

**KUZNETSK ALATAU—GEOLOGY, STRUCTURAL**  
Boudinage structure in ore zone rocks of the Khayleol  
iron ore deposit. I. U. V. Indukaev. Trudy TGU 164:  
21-27 '63.

**KUZNETSK ALATAU—GOLD ORES**  
Genetic types and formations of gold mineralization in  
Kuznetsk Alatau and Salais. A. A. Bul'mnikov. Trudy  
TGU 164:75-85 '63

**KUZNETSK ALATAU—MAGNETITE**  
Internal structure of certain magnetite formations.  
V. N. Segeev. Trudy TGU 164:54-62 '63

**KUZNETSK ALATAU—ORE DEPOSITS**  
Certain features of gold mineralization in Kommunar  
ore deposit area and magnetite of "Kashostrovskiy"  
deposit. A. A. Bul'mnikov, V. N. Segeev. Trudy  
TGU 164:88-104 '63.  
Mineralogy of scapolite-amphibole metasomatismes from  
the central part of the ore zone in Khayleol iron ore  
deposit. I. U. V. Indukaev. Trudy TGU 164:28-45 '63  
Sphene in skarns from ore mineralization of Ishmorskiy  
Magnetite Anomalies (Kuznetsk Alatau). L. P. Kopylova.  
Trudy TGU 164:69-74 '63.

**KUZNETSK ALATAU—QUARTZITE**  
Secondary quartzites. B. M. Tshulupov. Trudy TGU 164:  
11-15 '63.

**KUZNETSK BASIN—COAL MINES AND MINING—  
EQUIPMENT AND SUPPLIES**  
Electric saws for cutting EPMG-1 metal. B. M. Ivanov.  
Bezop. truda v prom. 11 no. 1:53-54 Jan '67.

**KUZNETSK BASIN—COAL MINES AND MINING—FIRES  
AND FIRE PREVENTION**  
Using chloride-alkali paste for preventing spontaneous  
combustion of coal. D. T. Gorbachev and others. Be-  
zop. truda v prom. 11 no. 1:31-33 Jan '67

**KUZNETSK BASIN—COAL MINES AND MINING—RE-  
SEARCH**  
School of Higher Learning to industry. B. A. Rudnev.  
Izv. vuz. ucheb. zav. i gor. zhur. 10 no. 1:172-174 '67.

**KUZNETSK BASIN—COAL MINES AND MINING—  
SAFETY MEASURES**  
Influence of the wetting of a coal mass on its stressed  
state. V. I. Murashov. Ugol' 42 no. 1:58-60 Jan '67  
Making of electric detonators in Kuznetsk Basin coal  
mines. A. S. Litvinenko, M. K. Iakimov, I. G. Konev.  
Bezop. truda v prom. 11 no. 1:33-34 Jan '67.

Reliability of control and signal systems in automated  
mine installations. L. A. Gmel'sheva, B. S. Nikeshin.  
Izv. vuz. ucheb. zav. i gor. zhur. 8 no. 9:147-149 '65

**KUZNETSK BASIN—COAL MINING MACHINERY—  
TESTING**  
Wide and narrow working cutters-loaders used in Kuz-  
netsk Basin mines. A. V. Parshin, A. P. Bragin. Ugol'  
Ukr. 7 no. 3:28-30 Mr '63.

**KUZNETSK BASIN—HYDRAULIC MINING**  
Sinking development workings under conditions of steep  
layers in the hydraulic sections of the Kuznetsk Basin.  
V. P. Lavitskiy, F. P. Dzhalil. Shakht. stroit. 5  
no. 11:22-24 N '61

**KUZNETSK BASIN—MINING GEOLOGY**  
Pay more attention to mining geology. P. G. Grilazev,  
V. M. Samodurov. Razved. i okh. nedr. 26 no. 3:18-17  
Mr '60.

**KUZNETSK BASIN—STRIP MINING**  
Determining the value of the line of resistance along  
bench bottoms during blasting of column charges in  
fissured sedimentary rocks. N. A. Repin, M. I. Poya-  
pov. Ugol' 42 no. 1:26-20 Jan '67.



## LANDING OPERATIONS

Artificial landing at a station crossing. I. A. Samoilenko, A. P. Syanok. Voen. vest. 11 no. 6 34-41 Ja '61

## LANDRACE SWINE

Crossing North Caucasian and Landrace swine. G. M. Bakhov. Vest. sel'khoz. nauk 11 no. 11:11-116 '66

LANDSCAPE ARCHITECTURE see subdivision under Donetsk Basin, Leningrad

LANDSCAPE GARDENING see subdivision under Abkhazia

LANDSLIDES see subdivision under Ay-Serey Valley, Black Sea region

## LANGUAGE AND LANGUAGES

Four communicative systems and four languages. N. I. Zhukin. Dobl. Otd. struk. i prikl. lingv. MGU no. 1 7-37 '65

Verbal intonation. A. G. Volkov. Nauch. dokl. vys. shkoly, filol. nauk 5 no. 1:89-97 '67

Remarks on the theory of phraseology, formation of phrases and phraseology in languages. L. I. Rozentson. III Mez. Avstralijskiy simpoz. 95 4-11 '69

LANGUAGE AND LANGUAGES—BIBLIOGRAPHY see Bibliography—Language and languages

## LANGUAGE AND LANGUAGES—CLASSIFICATION

Logical characteristics of methods of structural typology. A. P. Loev. Vop. lingv. no. 1:67-79 Ja '67

## LANGUAGE AND LANGUAGES—STUDY AND TEACHING

Effectiveness of types of control of mastering knowledge in teaching the grammar of a foreign language. V. G. Shatikh. Inoz. filol. no. 6:161-167 '66

Parakhin, A. V., ed. [Problems of the methods of teaching foreign languages in the special secondary schools] Voprosy metodiki prepodavaniya inostrannykh yazykov v spetsialnykh srednykh shkolakh. Moscow, 1966 72 p

Systemness, the principle of the intensive teaching of a foreign language. V. D. Babulin. Inoz. filol. no. 6:155-160 '66

## LANGUAGES, MODERN—STUDY AND TEACHING

For the spiritual teaching of foreign languages. P. Glushko. Z. Brovko. Nauch. dokl. no. 3:31-31 '67

## LANTHANUM OXIDES

Effect of coloring impurities on the light absorption of lanthanum glasses. B. I. Galand, K. I. Vinograd, N. A. Vlasov. Opt.-mekh. prom. 11 no. 12:44-50 D '66

## LAPLACE TRANSFORMATION

Note on the theory of Laplace transformations. A. A. Stupkovskaya. Dbl. matem. 2 no. 12:1671-1676 D '66

One new method of inversion of Laplace transform and its application in geophysical prospecting. V. N. Strakhov. Izv. AN SSSR, Fiz. zem. no. 11:68-76 '66

## LAPIDS

(See also subdivision under Kola Peninsula)

List of minerals of Western Europe. G. I. Anokhin. Priroda no. 1:81-95 Ja '67

## LAPTEV SEA—ICE

Role of polynias off edge of shore in hydrological and ice regime in Laptev Sea. V. F. Zakharov. Okeanologiya 6 no. 6:1011-1022 '66

## LARCH

(See also subdivision under Storozh Valley)

Effect of the application of mycorrhizal soil on the growth and output of Siberian larch seedlings. I. A. Fedotov. Trudy Sib. sel'khoz. inst. 15 no. 3:31-37 '65

## LAICHEV, VIKTOR ALEKSEVICH, 1887-1960

Viktor Alekseevich Laichev; obituary. Teploenergetika 7 no. 9:6 Ag '60

## LAINI, IVAN VASIL'EVICH, 1903-

Academician of the All-Union Academy of Agricultural Sciences; Ivan Vasil'evich Laini. A. P. Movsisiants. Vest. sel'khoz. nauk 11 no. 11:120-121 '66

## LARVAE—FISHES

Feeding habits of larvae of pike, bream, and roach. O. I. Kuchinskaya. Glushko, zhur. 2 no. 6:68-71 '66

Feeding habits of larvae of *Rutilus rutilus* L., *Blechna bjerkna* L., *Leuciscus idus* L., and *Perca fluviatilis* L. in Rybinsk Reservoir. D. A. Panov. Trudy Inst. biol. vnutr. vod. no. 10:76-90 '66

Observations on feeding habits of bream larvae in Rybinsk Reservoir. D. A. Panov. Trudy Inst. biol. vnutr. vod. no. 10:51-75 '66

## LARVAE—INSECTS

Larvae of *Hymenoptera* parasitizing on nymphs of *Eurygaster integriceps* Put. G. A. Viktorov. Zool. zhur. 45 no. 12:1700-1803 '66

## LARYNX

Clinical and morphological characteristics of the larynx in tuberculous of the lungs in connection with antibacterial drug treatment. V. O. Oshanskii. Zhur. uzh. nos. i gorl. bol. 19 no. 6:58-62 N-D '69

## LARYNX—CANCER

Attempt to use electronic digital computers for differential diagnosis of laryngeal cancer. P. S. Golunov, P. F. Kumin, P. A. Litshenshtein. Sov. med. 20 no. 10:48-50 O '66

Cervical metastases of cancer of the larynx and their treatment by a combined method. M. G. Baradulina. Zhur. uzh. nos. i gorl. bol. 19 no. 4:62-64 11-12 '68

## LARYNX—TUMORS see subdivision under Kiev

## LASERS

Change in current-voltage characteristics of GaAs lasers in transition from radiation amplification to generation. B. I. Gladilin, D. N. Nasledov, B. V. Tsimonov. Fiz. tsvetl. 8 no. 11:3282-3287 N '66

Characteristics of difference frequency generation on basis of nonlinear optical effects. V. L. Strizhevskii. Zhur. prikl. spekt. 5 no. 5:685-687 N '66

Distribution of chromophores in ruby single crystals grown by the Verneuil method. T. F. Kustov, P. A. Aisenber. Izv. vys. ucheb. fiz. fiz. 9 no. 5:152-153 '66

Alignment in structure of transparent dielectrics. V. A. Lukhachev and others. Fiz. tsvetl. 8 no. 11:3132-3134 N '66

Gas laser as source of illumination. I. V. Oshakov. Dokl. AN SSSR 171 no. 6:1305-1308 D '66

Giant pulses of superluminescence. V. S. Zuev, V. S. Letokhov, IU. V. Senatskii. Pis'ma red. Zhur. eksp. i teoret. fiz. 1 no. 5:182-183 S '66

An instrument of measuring possibilities. IU. Chubakov. Vuz. znan. 43 no. 1:36-37 Ja '67

Liquid metal effectors for lasers. E. G. Bozning, IU. V. Nabokhin. Zhur. prikl. spekt. 5 no. 5:692-693 N '66

Magneto-optical modulation of infrared radiation from a gas laser. M. V. Chetkin, V. S. Solomatin. Fiz. tsvetl. 8 no. 11:3385-3390 N '66

Multivalued analysis of the formation of the second optical harmonic in a nonlinear crystalline layer. V. F. Marchenko. Opt. i spekt. 21 no. 5:592-602 N '66

Passage of light pulse through nonlinear absorbing medium. V. S. Zuev, V. A. Shegolev. Zhur. prikl. spekt. 5 no. 5:604-608 N '66

Polarization of two-photon excited anthracene fluorescence. V. Stefanov, P. Simova, P. Khichva. Pis'ma red. Zhur. eksp. i teoret. fiz. 4 no. 5:355-358 N '66

Properties of bleaching filters. B. I. Stepanov, R. K. Lavitskaya. Zhur. prikl. spekt. 5 no. 5:605-608 N '66

Regular generation in a ruby optical quantum generator modulated by a diffraction modulator on a standing ultrasonic wave. I. I. Adjanova, IU. V. Popov, V. E. Tsvetkov. Opt.-mekh. prom. 33 no. 12:13-16 D '66

Selecting geometrical dimensions of resonator for gas lasers. D. V. Gordeev, P. P. Ostapchenko, V. A. Perebelskii. Zhur. prikl. spekt. 5 no. 5:687-689 N '66

Self-focusing of powerful light beams related to thermal effects. A. G. Litvak. Pis'ma red. Zhur. eksp. i teoret. fiz. 4 no. 9:311-315 N '66

Signal excitation in a negatively charged antenna pole under the action of a nonfocused laser beam. G. A. Ankar'yan and others. Pis'ma red. Zhur. eksp. i teoret. fiz. 4 no. 5:177-180 S '66

A ruby neodymium glass optical quantum generator. M. I. Yanukov and others. Opt.-mekh. prom. 33 no. 12:65 D '66

Some characteristics of matter entering plasma and excitation of its spectra under laser radiation. A. I. Komuchikov, A. I. An'kovskii. Zhur. prikl. spekt. 5 no. 5:580-591 N '66

Some models of saturable shutters for lasers. L. N. Galkin. Zhur. prikl. spekt. 5 no. 5:689-692 N '66

Space-time separation of light pulses by means of semi-transparent mirrors. IU. I. Ostovskii. Opt. i spekt. 21 no. 5:620-623 N '66

Studying magnetic field of spark generating in focusing laser radiation. V. V. Koiobkin, R. V. Scrov. Pis'ma red. Zhur. eksp. i teoret. fiz. 4 no. 3:103-106 Ag '66

Technical use of continuous lasers. V. S. Kovalevko. Tekh. mashinostr. no. 1:58-61 '66

Technological use of pulsed lasers. S. A. Kartavov. Tekh. mashinostr. no. 1:53-57 '66

Use of variational methods in studying temperature conditions of active elements in lasers. L. I. Kudashov, B. R. Belostotskii, N. L. Kudashova. Dokl. AN SSSR 191 no. 11:815-819 N '66

Width of radiation spectrum of ruby laser with bleaching liquid shutter. S. I. Borovitskii, IU. M. Grtaznov, A. A. Chastov. Zhur. prikl. spekt. 5 no. 5:609-613 N '66

## LASERS—NOISE

Limitation of noise in producing three-dimensional images. A. L. Mikaelsen, V. I. Bobrinev. Pis'ma red. Zhur. eksp. i teoret. fiz. 4 no. 5:172-174 S '66

## LATENT HEAT OF EVAPORATION

Investigating the process of heat and mass transfer in the evaporation of a liquid from a free surface in a saturated gas atmosphere. V. I. Balyanov. Inzh.-fiz. zhur. 12 no. 13-5 Ja '67

## LATEX

Agglomeration of particles in butadiene-styrene latexes. T. S. Kazakevich and others. Kauch. 11:7 26 no. 1:9-13 '67

Study of the dependence of the properties of porous films made from cryoboylated latex on the saturation degree of its globules. V. S. Monastyrskii and others. Izv. v. ucheb. zav. tekhn. iag. prom. no. 6:57-62 '66

## LATHES

Investigating the tipping of the lathe carriage in turning. A. Arzumanyan, A. Dzhafarzadeh. Prom. Arm. 9 no. 11:47-50 '66

Machining on spinning lathes. N. I. Joganov. Tekh. i org. proiz. no. 6:41-42 N-D '66

## LATHES—ATTACHMENTS

Attachment for machining fabricated metal products. G. A. Fedorov. Mashinostroitel' no. 1:10 Ja '67

Attachment for rolling thread on automatic multipindle lathes. A. V. Gidunov, P. I. Goidinov, B. I. Glizylin. Stan. inst. 38 no. 1:13-14 Ja '67

New chip breaking mechanisms for lathes. I. K. Zorova, A. S. Shashin, A. S. Gel'fond. Vest. mashinostr. 47 no. 1:68-70 Ja '67

Upper carriage for turning spherical surfaces. E. V. Ivanov. Stan. inst. 37 no. 12:36 D '66

Using rounded chip breakers on hydrocopying and universal lathes. A. M. Levchenko. Tekh. mashinostr. no. 1:73-81 '66

## LATIN AMERICA—ECONOMIC POLICY

Doctrine on the economic development of Latin America. R. A. Oshovskii. Mirov. ekon. i mezhdunar. otn. no. 3:30-40 '67

## LATIN AMERICA—FOREIGN RELATIONS—UNITED STATES

Aggressive policy of the United States in Latin America. R. Leonidov. Mezhdunar. zhizn' 14 no. 2:73-81 '67

## LATIN ORIENT—LAND TENURE

Transfer of lands to scientists for their protection according to the codes of feudal laws in the countries on the Orient conquered by the Crusaders. G. Dmitriyev. Palest. sbor. no. 15:155-171 '66

## LATVIA—AGRICULTURE—ECONOMIC ASPECTS

Latvijas Padomju Sociālistiskās Republikas Zinatņu Akadēmija. Ekonomikas institūts [Economic efficiency of capital investments in agriculture] Kapitālieguldījumu ekonomiskā efektivitāte lauksaimniecībā. [By] Akots Bīkšs un citi. Atbildīgais red. L. Lids, Rīga, Zinātne, 1966, 189 p. [in Latvian]

## LATVIA—BOOKSTORES

Friends of books are getting ready for the big holiday. K. Gostins. Kulzh. org. 18 no. 1:32 Ja '67

## LATVIA—CANNING INDUSTRY

Review of the new types of canned food. M. I. Peikolina. Koms. i ov. prom. 17 no. 3:45-48 M '62

## LATVIA—CATARRH

Catarrhal diseases of the upper respiratory tract in connection with climatic and meteorological conditions in the Baltic Region. M. B. Zabutyi. Zhur. uzh. nos. i gorl. bol. 19 no. 6:41-44 N-D '69

## LATVIA—CHILDREN IN AGRICULTURE

Protecting the labor of teenagers on state farms. A. Cistrakh. Sots. zakon. no. 2:54-56 I '67

## LATVIA—CLIMATOLOGY, MEDICAL

Catarrhal diseases of the upper respiratory tract in connection with climatic and meteorological conditions in the Baltic Region. M. B. Zabutyi. Zhur. uzh. nos. i gorl. bol. 19 no. 6:41-44 N-D '69

## LATVIA—CONSTRUCTION INDUSTRY—TECHNOLOGICAL INNOVATIONS

Storin, E. A. [Advanced equipment and methods for organizing work in assembly of industrial structures in the Latvian S. S. R.] Progressivnye prispособleniya i peredovye metody organizatsii rabot na montazhe promyshlennyykh sooruzhenii Latvialoi SSR. Rīga, Latvīskii respubli. in-t nauchno-tekhn. informatsii i propagandy, 1966, 81 p. (Listok tekhnicheskoi informatsii. Stroitel'stvo i stroitel'nye materialy)

## LATVIA—DANCING—CHILDREN'S DANCES

[I made a wreath] Pinu vainadzina. [Rīga] 1966 168 p. [in Latvian]

## LATVIA—ELECTION LAW

Latvian S.S.R. Laws, statutes, etc. [Statute on elections to district, city, city district, settlement and village Soviets of workers' deputies of the Latvian S.S.R. Approved by decree of the Presidium of the Soviet of the Latvian S.S.R., December 5, 1954. With amendments approved by decrees of the Presidium of the Supreme Soviet of the Latvian S.S.R., January 5 and 20, 1959, March 31, 1961, December 27, 1962, January 7, 1963 and January 10, 1967.] *Nolikums par Latvijas PSR rajonu, pilsetu, pilsetu rajonu, ciematu un ciemu darbalizņu deputātu padomju veidošanu* [Appointments of Latvian PSR Augstākās Padoles Pilsētu, Pilsetu, Pilsetu rajonu, Ciematu un Ciemu darbalizņu deputātu padomju veidošanu] Pilsētu, Pilsetu, Pilsetu rajonu, Ciematu un Ciemu darbalizņu deputātu padomju veidošanu. Rīga, Liesma, 1967. 22 p. [In Latvian]

## LATVIA—ELECTRIC LINES—POLES AND TOWERS

Latvian S.S.R. [Latvian S.S.R. Institute of Scientific and Technical Information] *Latvian S.S.R. Institute of Scientific and Technical Information* [Experience in the antiseptic treatment of wooden power line poles in the Latvian electric power system, a review] *Opyt prikladn derevannykh opor lini elektropriemodachi v Latvii* [Experience in the antiseptic treatment of wooden power line poles in the Latvian electric power system, a review]. Rīga, 1966. 38 p.

## LATVIA—FISHERIES

[Fishery on collective and state farms] *Zivkopiba kolhozos un padomju saimniecibas*. Rīga, Liesma, 1968. 108 p. [In Latvian]

## LATVIA—HAY—STORAGE

Latvian S.S.R. [Latvian S.S.R. Institute of Scientific and Technical Information] *Latvian S.S.R. Institute of Scientific and Technical Information* [New machinery for hay storage] *Juana tehnologija siena sagatavosana*. Rīga, Latvian S.S.R. Institute of Scientific and Technical Information, 1966. 3 p. [In Latvian] (DNA)

## LATVIA—INDUSTRIAL MANAGEMENT

Vainberg, A. [Method of developing scientific labor organization for the industrial enterprises of the Latvian S.S.R.] *Metodika razrabotki nauchnol organizatsii truda dlia promyshlennykh predpriatii Latvii* [Method of developing scientific labor organization for the industrial enterprises of the Latvian S.S.R.] *Metodika razrabotki nauchnol organizatsii truda dlia promyshlennykh predpriatii Latvii* [Method of developing scientific labor organization for the industrial enterprises of the Latvian S.S.R.] Rīga, Latvian S.S.R. Institute of Scientific and Technical Information, 1966. 37 p.

## LATVIA—LUMBER—DRYING

Mikhlin, E. A., and I. A. V. Stapan. [Drying lumber at enterprises of Latvia, a review] *Opyt osushki pillo materialov na predpriatiakh Latvii* [Drying lumber at enterprises of Latvia, a review] *Opyt osushki pillo materialov na predpriatiakh Latvii* [Drying lumber at enterprises of Latvia, a review] Rīga, Latvian S.S.R. Institute of Scientific and Technical Information, 1966. 22 p.

## LATVIA—MEAT INDUSTRY

Discussing the work practices of the delivery and receiving of cattle by weight and meat quality. *Shumkov, A. Bogatyrav. Mias i SSSR* 38 no. 1:37-40. Ja '67.

## LATVIA—PETROLEUM GEOLOGY

New data on Cambrian and Ordovician petroleum occurrences in Kuldiga area, Latvian S.S.R. *V. I. A. Karpuski, Geol. nefti i gaza* 10 no. 12:41-45. D '66.

## LATVIA—PHYSICAL EDUCATION AND TRAINING

[20 years of the Latvian State Institute of Physical Culture] *Latvijas Valsts fiziskas kulturas institutam 20 gadu* [Latvian State Institute of Physical Culture 20 years] *Latvijas Valsts fiziskas kulturas institutam 20 gadu* [Latvian State Institute of Physical Culture 20 years] Rīga, Zvaigzne, 1966. 1 v. (chiefly illus.) [Parallels in Latvian and Russian]

## LATVIA—SERVICE INDUSTRIES—EQUIPMENT AND SUPPLIES

The service industry and the supply of materials and equipment. *F. Usachev. Mat. -tekh. snabzh.* 1 no. 4:32-34. Q '66.

## LATVIA—SOCIAL LIFE AND CUSTOMS

Formation of new customs and ceremonies in the life of the collective farmers in Latvia. *L. N. Terent'eva, Sov. etn.* no. 2:24-40. Mr-Apr '61.

## LATVIA—TOOL AND DIE INDUSTRY

On instrument trade. *V. Antonov. Mat. -tekh. snabzh.* 1 no. 4:35-36. Q '66.

## LATVIA—TOOL AND DIE INDUSTRY—MANAGEMENT

Birin, B. V. [Organization of tool production in the enterprises of the Latvian S.S.R.; a survey] *Organizatsija instrumentalnogo proizvodstva na predpriatiakh Latvii* [Organization of tool production in the enterprises of the Latvian S.S.R.; a survey] *Organizatsija instrumentalnogo proizvodstva na predpriatiakh Latvii* [Organization of tool production in the enterprises of the Latvian S.S.R.; a survey] Rīga, Latvian S.S.R. Institute of Scientific and Technical Information, 1966. 56 p.

## LATVIAN LANGUAGE

Latvian S.S.R. [Latvian S.S.R. Institute of Scientific and Technical Information] *Latvian S.S.R. Institute of Scientific and Technical Information* [Cultural problems of the Latvian language] *Latvian S.S.R. Institute of Scientific and Technical Information* [Cultural problems of the Latvian language] *Latvian S.S.R. Institute of Scientific and Technical Information* [Cultural problems of the Latvian language] Rīga, Liesma, 1966. 141 p. [In Latvian]

## LAZAREV REGION, ANTARCTICA—STORMS

"Intransparent" storm. *AN Kuznetsov. Inform. biul. Sov. antark. eksp.* no. 28:16-17. '61.

## LAUNDRY MACHINERY

Machinery for laundries. *I. Mikhovskii. Inform. biul. VDNKh* no. 117-19. Ja '67.

[Soviet equipment for laundry plants] *Otechestvennoe oborudovanie dlia fabrik-upachechnykh*. [By] V. A. Minaev-Tsikanovskii. *Izv. Moskva, NII Informatsii-stroitel'skikh mashin*, 1965. 111 p. (Serial 3 Mashiny i oborudovanie dlia kommunalnogo khozai'stva)

## LAUREL see subdivision under Abkhazian

## LAVA

One case of secondary magnetization in modified lava. *I. P. Stokorodkin. Izv. AN SSSR. Fiz. zem.* no. 12:88-91. '66.

## LAW

Lectures of Soviet lawyers outside the U.S.S.R. *I. P. Stokorodkin. Izv. AN SSSR. Fiz. zem.* no. 12:88-91. '66.

New laws and regulations enacted by the ministers and government agencies of the U.S.S.R. and the Union Republics. *Sots. zakon* 38 no. 7:84-88. Ji '61. Out "Chronicle of legal events" *Sots. zakon* 38 no. 7:87-91. '61.

Strakhov, N. N. [Origin of state and law, summary of lectures] *Vozniknovenie gosudarstva i prava, konspekt lektsii*. Khar'kov, Khar'kovskii univ., 1965. 44 p. (Na priyakh rukopisi) (CS-11)

Sovetskii iuridicheskii institut. [An aid to the students of the People's Law University] *V pomoshch' slushateliam Narodnogo universiteta pravovykh nauk*. Sovetskii, Sverdlovsk-Ural'skoe knizhnoe izd-vo, 1964. 147 p. (CS-11)

## LAW—BIBLIOGRAPHY see Bibliography—Law

## LAW—CASES

[Bulletin of the Supreme Court of the R. S. F. S. R.] *Izvestiia Suda RSFSR* no. 2 '67. How public prosecutors supervise the observance of laws. *Sots. zakon* no. 2:85-88. P '67.

How the public prosecutors of the U.S.S.R. supervise the observance of laws. *Sots. zakon* 38 no. 7:89-90. Ji '61. Judicial practice. *Sots. zakon* 38 no. 7:88. Ji '61.

## LAW—HANDBOOKS, MANUALS, ETC.

[Legal handbook, an aid to the public-spirited worker] *Iuridicheskii spavochnik; y pomoshch' obshchestvenniku*. Tashkent, "Uzbekistan", 1965. 224 p. (CS-11)

## LAW—PERIODICALS

Conferences of our readers. *Sov. iust.* 30 no. 2:125. D '66. The 50th anniversary of the periodical "Sovetskii iuridicheskii institut". *Sots. zakon* no. 2:147-151. '67.

## LAW—PHILOSOPHY

Khar'kovskii iuridicheskii institut. *Kafedra teorii gosudarstva i prava*. [Legal relations, a summary of lectures] *Pravovye otnosheniia, konspekt lektsii*. Khar'kov, 1965. 51 p. (CS-11)

## LAW—PSYCHOLOGY

The role of legal consciousness and public opinion in the imposition of penalty. *G. Z. Anashkin. Sov. gos. i pravo* no. 1:12-18. Ja '67.

## LAW—STUDY AND TEACHING

For an effective popularization of Soviet laws. *M. Katsenk. Sots. zakon* 38 no. 7:20-23. Ji '61. Gavrishchuk, B. N., and I. F. Rukko. [Local Soviets and the inculcation of the socialist understanding of law in workers] *Mesnye Sovety i vospitanie sotsialisticheskogo pravosoznaniia tuidashchikh*. [Rostov-na-Donu] *Izd-vo Rostovskogo univ.*, 1964. 74 p.

## LAWNS

Interrelationship of components in lawn grasses. *M. U. Smol'skii, L. A. Khyl'chik. Vestn. AN SSSR. Ser. biol. nauch.* no. 3:35-39. '66.

## LAWYERS

(see also subdivision under Congo, Brazzaville) Practicing lawyers as representatives of injured persons. *IU. Stetskevich. Sov. iust.* 30 no. 2:147-151. D '66. We appeal to you, young lawyers! *Sots. zakon* no. 2:3-8. F '67.

## LAYING-OUT (MACHINE-SHOP PRACTICE)

Overall mechanization of the layout and storage shop for sheet metals. *E. I. Podzolkina. Biul. tekhn. -ekon. inform. Gos. nauch. -issl. inst. nauch. i tekhn. inform.* 19 no. 11:26-27. N '68.

## LAZAREV REGION, ANTARCTICA—PENGUINS

An attempt of Adèle penguins to hatch their young on the iceberg. *L. I. Dubrovina. Inform. biul. Sov. antark. eksp.* no. 29:61-62. '61.

## LAZAREV REGION, ANTARCTICA—STORMS

"Intransparent" storm. *AN Kuznetsov. Inform. biul. Sov. antark. eksp.* no. 28:16-17. '61.

## LAZAREV SHELF ICE—SEDIMENTS (GEOLOGY)

Find of marine sediments on the surface of the shelf ice. *P. S. Voronov, M. A. Kruchinin. Inform. biul. Sov. antark. eksp.* no. 29:22-26. '61.

## LAZAREV STATION, ANTARCTICA—AIRBORNE

Airborne at the Lazarev Station. *N. K. Dushin. Inform. biul. Sov. antark. eksp.* no. 28:11-16. '61.

## LE NAIN, ANTOINE, 1680-1610

Le Nain, Louis, Antoine Le Nain, and Mathieu Le Nain. [The brothers Le Nain] *Brat'ia Le Nain, Moskva, S. S. R. skil khudozhnik* [1966] 1 v. (chiefly illus.)

## LE NAIN, LOUIS, 1603-1648

Le Nain, Louis, Antoine Le Nain, and Mathieu Le Nain. [The brothers Le Nain] *Brat'ia Le Nain, Moskva, S. S. R. skil khudozhnik* [1966] 1 v. (chiefly illus.)

## LE NAIN, MATHIEU, 1607-1677

Le Nain, Louis, Antoine Le Nain, and Mathieu Le Nain. [The brothers Le Nain] *Brat'ia Le Nain, Moskva, S. S. R. skil khudozhnik* [1966] 1 v. (chiefly illus.)

## LEACHING

Leaching of clay sulfate Solonchak soils in Trach Delta. *A. I. Dagestani. Zeld. Vi. A. Med. univ. Ser. biol. i med.* 21 no. 5:102-111. S-O '66. Leaching of Solonchak soils in Trach Delta. *V. V. Verkhovskii. Zeld. Vi. A. Med. univ. Ser. biol. i med.* 21 no. 5:101-111. S-O '66.

## LEAD CHROMATES

Objective method of determining the intensity of lead chromate by the use of the LKIS-1 colorimeter. *L. A. Gorshak, T. N. Rezulova. Leksion. mat. i tekhn. nauch. i tekhn. inform.* 19 no. 6:50-51. '66.

Production of chrome lead through the synthesis of basic lead chromate sulfate. *V. V. Verkhovskii. Zeld. Vi. A. Med. univ. Ser. biol. i med.* 21 no. 5:101-111. S-O '66.

## LEAD INDUSTRY WORKERS—DISEASES AND INJURIES

Basic problems of occupational pathology in the lead shop of the "Elektrokhim" plant. *M. M. Abaeva. Nauch. i tekhn. inform.* 19 no. 10:1-12. '61.

## LEAD ISOTOPES

Development of carbonium based on data of lead isotopes. *B. N. Nalidov, V. V. Chudakov. Vestn. AN SSSR* 17 no. 1:68-69. Ja '67.

## LEAD MOLYBDATE CRYSTALS—SPECTRA

Luminescence, absorption, and level diagram of lead molybdate single crystals. *A. M. Mironov, A. A. Reut, A. I. Rykhin. Opt. i spekt.* 21 no. 5:51-53. N '66.

## LEAD ORES see subdivision under Bukal, J. A. and Transbaikalia

## LEAD OXIDES

Effect of additions of lithium and beryllium oxides to the kinetics of lead dioxide reduction by hydrogen. *E. I. Ermolov, G. A. Kuvshina. Trudy TGU* 1965:21-23. '66.

## LEAD PLATING

Electrolytic separation of lead and thorium. *K. I. Bagdasaryan, A. A. Starobukhina. Izv. vyssh. shk. khim. i tekhn.* 9 no. 5:705-708. '66.

## LEAD POISONING

Therapeutic effectiveness of complexon in lead poisoning. *M. M. Abaeva. Nauch. i tekhn. inform.* 19 no. 10:1-12. '61.

Toxicity of lead to *Aspergillus niger*. *I. V. Zhukovskii, L. I. Rabotnova. Mikrobiologiya* 35 no. 6:1514-1516. N-D '66.

## LEAD-TELLURIDE ALLOYS

System Pb-Te-Pb<sub>2</sub>. *I. G. Berg, T. I. Malkova, A. I. Pavlova. Zhur. tekh. khim.* 12 no. 1:21-23. '66.

## LEADERSHIP

Role of the press in the economic education of the workers. *A. V. Kuznetsov. Vestn. Mosk. univ. Ser. kh. i zhur.* 21 no. 8:12-13. '66. Who qualifies for an organizer. *L. Umanovskii. Vestn. komm.* no. 10:1-14. '66.

## LEAF RUST OF WHEAT

Effect of some chemical substances on the resistance of wheat to leaf rust. *T. N. Novikova. Trudy KHI* 1965:45-47. '66.

## LEARNING, PSYCHOLOGY OF

Questions of learning and mental development discussed at the 18th International Congress of Psychology. *N. A. Menchinskaya, G. G. Saburova. Sov. psichol.* 11 no. 1:14-23. Ja '67.

## LEARNING, PSYCHOLOGY OF (Continued)

- Some aspects of interrelation between learning and intellectual development. G. S. Kostuk, Sov. pedagog. 31 no. 1:21-27 Ja '67.
- Teaching thought operations in children in a "preoperational stage of development" according to Jean Piaget. G. A. Konstantin, Sov. pedagog. 31 no. 1:33-35 Ja '67.

## LEARNING AND SCHOLARSHIP

- Interesting are those who think. Mol. komm. no. 10 48-49 '66.

## LEAST SQUARES

- Notes on the article of A. I. Bolotin "Increasing the efficiency of the method of least squares in the control of systematic errors." Izv. V. Remnits, Izv. vyz. ucheb. zav. zond. i aerol. no. 6:133-135 '62.

## LEATHER

- Study of the effect of the drop of relative humidity of the air on the deformation of leather parts during the manufacture and storage of footwear. G. S. Klimchuk, Izv. P. Zylhin. Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 6:95-99 '66.

## LEATHER—ANALYSIS

- Determination of the amount of clean raw hide in leather processed with the carbamide-nitropropane separation KU and other nitrogen-containing compounds. I. A. Babich, A. I. A. Shapil'skaya, L. G. Volkshina, Kozh.-obuv. prom. 8 no. 11:22-24 N '66.

## LEATHER—STANDARDS

- Present all-Union state standards for leather slow down the improvement of the footwear quality. V. I. Kistrus-shik, T. I. Stepanovskaya, A. M. Shakhovtseva, Kozh.-obuv. prom. 8 no. 11:21-13 N '66.

- Project of the new all-Union state standard for the grading of stiff leathers. V. N. Babich, S. M. Levin, L. B. Iankovskaya, Kozh.-obuv. prom. 8 no. 11:11-12 N '66.

- Some discrepancies in all-Union state standards. M. Ponomarev, V. Kuchin, V. Dem'yanuk, Kozh.-obuv. prom. 8 no. 11:9-11 N '66.

## LEATHER, ARTIFICIAL

- Effect of the acetalization conditions on the properties of films based on polyvinyl oxypene latex and polyvinyl alcohol. V. S. Gerasimova, A. P. Pisarenko, Kozh.-obuv. prom. 8 no. 11:21-27 N '66.

- Improvement of polyvinyl chloride coatings in the production of textolite. M. S. Potukhov and others. Kozh.-obuv. prom. 8 no. 12:21-23 D '66.

- In the Scientific Technological Society of the Light Industry. I. D. Lifshits, G. I. Shlykova, Kozh.-obuv. prom. 8 no. 12:34-36 D '66.

## LEATHER, EFFECT OF RADIATION ON

- Effect of gamma radiation on the acid- and alkali-absorbing capacity of leathers. I. P. Stukhov, Akhmed I. Aum, N. S. Batakhova, Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 6:68-72 '66.

## LEATHER, EFFECT OF TEMPERATURE ON

- Change of the physical and mechanical properties of various leathers due to thermal influences under conditions of a stable temperature and humidity. N. I. Shapoval, M. P. Kuprianov, Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 6:81-94 '66.

## LEATHER INDUSTRY

- Characteristics of the determination of the economic effectiveness of the mechanization of the leather and footwear industry. P. S. Pashkin, L. P. Aksentov, Kozh.-obuv. prom. 8 no. 12:7-10 D '66.

- Effect of the transportation factor on the choice of the building sites of enterprises of the leather and footwear industry. L. B. Potakhov, L. A. Viaz'mina, R. I. Vodanik, Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 6:18-24 '66.

- Prolongation of the service life of building structures in enterprises of the leather industry. A. V. Chukov, N. F. Gusev, Kozh.-obuv. prom. 8 no. 11:27-30 N '66.

## LEATHER INDUSTRY—EQUIPMENT AND SUPPLIES

- Building of chrome leather for the uppers of footwear. S. I. Sergeev, Kozh.-obuv. prom. 8 no. 12:21-27 D '66.

## LEATHER INDUSTRY—MANAGEMENT

- Use of mathematical (linear) programming for the determination of the optimal plan for the consumption of hard leathers. G. P. Isipyan, Izv. vyz. ucheb. zav., tekhn. leg. prom. no. 6:3-8 '66.

## LEATHER SUBSTITUTES

- Castor oil substitute in the production of artificial leather. G. A. Levin, Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 10 no. 11:22-23 N '66.

## LEATHER WORKERS—EDUCATION AND TRAINING

- In the Presidium of the Central Administration of the Scientific Technological Society of the Light Industry. Kozh.-obuv. prom. 8 no. 11:36 N '66.

## LEAVES

- Effect of soil characteristics on ash composition in annual space needles and birch and larch leaves. M. I. Chukalova, Pochvovedenie no. 1:98-108 Ja '67.
- Simultaneous determination of the content of chloroplast pigments and the strength of their bond with protein-lipid complex in plant leaves. I. I. Acriu, Izv. V. Khim.-biol. Pap. AN USSR no. 12:150-152 '66.
- Variability of stemlike leaves in *Sphagnum apiculatum* H. Lindb. Z. A. Shukla, Vest. Mosk. univ. Ser. 6 Biol., geol., 21 no. 5:73-77 S-O '66.

## LEAVES—ANATOMY

- Nature of the formation of anatomical structure of leaves in mixed lawn grasses. M. I. Smol'ski, I. A. Knyazchuk, Vest. AN BSSR, Ser. Biol. nauch. no. 1:46-48 '66.

## LEAVES—OPTICAL PROPERTIES

- Effect of ultraviolet radiation on optical properties and fluorescence of plant leaves. I. U. F. Giller, Izv. V. Nauch.-issl. Izv. Old. biol. nauch. AN Tadzh. SSR no. 3:32-45 '66.

## LEBANON

- There where the Phoenicians lived. P. Dumechenko, Nov. vrem. 25 no. 5:31-33 F '67.

## LEBEDEV, PANTELEIMON DMITRIYEVICH, 1906-

- Panteleimon Dmitriyevich Lebedev, on the occasion of his 60th birthday. A. V. Lykov and others. Inzh.-fiz. zhurn. 12 no. 1:20-22 Ja '67.

## LECTURES AND LECTURING

- A Communist who delivered 500 lectures. Part. zhizn' no. 3:61 F '67.
- How we train lecturers and specialists in international affairs. A. Parkhomenko, Mezhdunar. zhizn' 11 no. 2:160 '67.
- Political lecturers carry big responsibilities. I. Shabun'skiy, Part. zhizn' no. 5:55-56 F '67.

## LEFT-AND-RIGHT-HANDEDNESS

- In memory of Genrikh Ivanovich Turkin. D. A. Novozhilov, Ortop., travm. i prot. 27 no. 12:73-78 D '66.

## LEG—BLOOD SUPPLY

- Contrast roentgenography of the deep veins of the lower extremities and its clinical significance. R. P. Zelenin, Khirurgia 38 no. 11:103-105 N '62.

- Intraosseous phlebography of the lower extremities in disorders of arterial blood flow. A. M. Demet'el, Vest. rent. i rad. 11 no. 6:37-40 N-D '66.

- Lesions of the veins in arteritis of the lower extremities. P. Bimrov, C. Sametov, S. Stefanovici, Khirurgia 38 no. 11:104-111 N '62.

## LEG—DISEASES

- Clinical and morphological parallels in varicosis of the lower extremities. P. P. Alekseev, Arkh. pat. 28 no. 12:31-36 '66.

## LEG—FRACTURE

- Surgical treatment of the distal section of the shin and the malleoli. Kh. T. Tukhmasov, Ortop., travm. i prot. 27 no. 12:15-11 D '66.

## LEGAL AID

- Our information. Agitator 31 no. 3:46 F '67.

## LEGUMES

- Determining the true nitrogen fixation ability of legumes. E. P. Propachev, A. I. Khachatryan, Vest. sel'sk. nauk. 11 no. 12:105-109 D '66.

## LEGUMES—DISEASES AND PESTS

- Damage caused by the mite beetle of *Sitona* species and the yield of pulse crops. L. I. Krasnopol'skaya, Trudy KISKII 55:36-46 '66.

## LEGUMES—FERTILIZERS AND MANURES

- Effectiveness of the use of nitrogen for legumes. V. E. Shevchuk, Izv. ISKII no. 24:77-96 '62.

## LEGUMES—GENETIC RESEARCH

- Chemical mutagens in breeding legumes. R. P. Rudoi, Vest. AN BSSR, Ser. sel'sk. nauch. no. 4:30-32 '66.

## LEGUMES—RESEARCH

- Some results. A. Tatarintsev, Zemledolie 28 no. 1:67-68 Ja '67.

## LEGUMINOSAE

- Biochemistry of leguminous plants, protein substances of seeds and taxonomy of Leguminosae. Biokhimiya bobovykh rastenii, belkovye veshchestva semian i sistematika bobovykh, Moskva, Nauka, 1967. 84 p.

## LEISURE see subdivision under Zaporozh'ye Province

## LEYAKI OIL FIELD—OIL WELL LOGGING, ELECTRIC

- Studying carbonate reservoirs in Leyaki oil field by resistivity method. V. I. Korzhuk, Nef. i gaz. prom. no. 5:4-5 S-O '66.

## LEMON—DISEASES AND PESTS

- Chromatography of mal secco toxin. K. S. Akhmediani, Soob. AN Gruz. SSR 26 no. 6:711-714 Jr '61.

## LENA VALLEY—GEOLOGY, STRUCTURAL

- New data on complex structures in the northern part of the Lena tectonic trough. D. A. Volynov, D. S. Iashin, Inform. Biol. NIIG no. 15:11-20 '59.

## LENA VALLEY—SOIL MOISTURE

- Some traits of the moisture conditions of meadow-Chernozem alkaline soils in the Lena valley. L. G. Elisekova, D. D. Savvinov, Nauch. soob. Vses. SSSR no. 8:39-42 '62.

## LENGTH MEASUREMENT

- Necessity for accurate measurement of lengths in trilateral networks laid out for surveying plant poses. M. T. Prokofiev, Izv. vyz. ucheb. zav., gor. zhurn. 8 no. 10:35-42 '65.

## LENIN, VLADIMIR IL'ICH, 1870-1924

- Basic problems of the economic development of Georgia in V. I. Lenin's work. N. M. Tkachelashvili, Trudy Tbil. GU 112:1-45 '65.

- Booklets on V. I. Lenin suppressed in bourgeois Estonia. A. T. Matsilevich, Sov. arkh. no. 5:100-101 '66.
- Great strategists. S. Istinov, Nov. vrem. 38 no. 10:256-259 O '62.

- Lenin, V. I. [V. I. Lenin on ideological work] V. I. Lenin ob'ideologicheskoi rabote, Moskva, Politizdat, 1965. 435 p.

- Lenin and the book, a review of materials published recently on the occasion of V. I. Lenin's 90th anniversary. B. V. Iakovlev, Kniga, 1965, 1 mit. 4:7-15 '61.

- Lenin at the Smolny Institute. P. Berezov, hval. torg. 17 no. 11:4-7 N '66.

- Lenin goes to the Smolny Institute. Petr Kapitsa, Nov. vrem. 25 no. 5:13-15 Ja '67.

- [Lenin guards of our planet, stories about V. I. Lenin's companions in arms and contemporaries] Leninskaya gvardiya planety, rasskazy o soratnikakh i sovremennikakh V. I. Lenina, Moskva, Politizdat, 1967. 502 p.

- Lenin on foreign trade monopoly. I. Kovalev, Vnesh. torg. 46 no. 12:3-8, 16 '66.

- The Lenin theory of electrification as a component part of the theory of scientific communism. I. I. Kodina, Trudy Tbil. GU 112:77-107 '65.

- Lenin's documents on petroleum. Neftianik 11 no. 9:21-25 S '66.

- Let us improve the search of V. I. Lenin's documentary materials. S. T. Belikov, M. S. Veselina, Sov. arkh. no. 5:15-17 '66.

- L'vovskii tovgovo-ekonomicheskii institut. [Along Lenin's path, summaries of the reports of a scientific conference dedicated to the 90th anniversary of the birth of V. I. Lenin] Po leninskoi puti; tezisy dokladov nauchnoi konferentsii, posvyashchennoi dednostosheshtstvu so dnem rozhdeniya V. I. Lenina, 20-21 aprelya, L'vov, 1966. 58 p. (CS-11)

- Mas'ko, V. A. [Historical circumstances which necessitated V. I. Lenin to write "Materialism and Empirio-criticism", a summary of lectures] Istoriicheskiye obstanovki, obuslovlivshaya neobkhodimost' napisaniya V. I. Leninom knigi "Materializm i empiriokrititsizm", konspekt lektsii, Uzhgorod, Uzhgorodskii gos. univ., 1964. 20 p. (CS-11)

- Mel'nikov, A. B. [How the "Iskra" ("Spark") flared up; three documentary essays about V. I. Lenin] Kak razgoralsya "Iskra"; tri dokumental'nykh ocherka o V. I. Lenine, Moskva, Znanie, 1967. 81 p. (Novoe v zhizni, nauke, tekhnike. X Sorita. Molodezhnaya, no. 4)

- Oreshchuk, F. N. [Lenin and scientific atheistic propaganda] Lenin i nauchovo-ateisticheskaya propaganda, Kyiv, Vydvo polit. lit.-y Ukrainy, 1955. 68 p. (CAOT)

- "Only moments of his life," A. Volgar', Mol. komm., 44:103-105 '66.

- Our banner, strength and weapon. Nar. obr. no. 1:55-61 Ja '67.

- Panachin, F. G. [Lenin's style in party and governmental work; for universities of Marxism and Leninism] O leninskom stile v partinnoi i gosudarstvennoi rabote, dlia universitetskoy markazma-leninizma, Moskva, Myel', 1966. 62 p. (Partinnoe stroitel'stvo)

- Philosophical significance of V. I. Lenin's remarks on N. Bukharin's "Economics of the transitional period," L. S. Merzon, Nauch. dokl. vyz. shkoly, filos. nauki 1 no. 1:109-116 '61.

- Political and man. L. Zhak, Mol. komm. no. 4:4-102 '66.

- Realization of the Lenin cooperative plan. S. Zhakupbekov, Nar. khoz. Kazakh 24 no. 11:71-75 N '66.

- Red pages. A. Chernykh, V mire kul. 6 no. 6:8-9 Jr '66.

- Reminiscences of Il'ich. G. K. Ordzhonikidze, Mol. komm. no. 10:12-18 '66.

- Several problems of the correlation between socialist industrialization and the socialist cooperation of the peasantry. G. Kharchashvili, Nauch. dokl. vyz. shkoly, ekon. nauki 4 no. 1:16-26 '61.



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## LENINGRAD—PORCELAIN

**Polov, E.** [Leningrad porcelain; 24 reproductions of the work of the Leningrad masters of artistic porcelain] *Leningradskii fafor, dvadtsat' chetyre epizodicheskii proizvedeniia leningradskikh masterov khudozhestvennogo fafora* [Leningrad, Khudozhnikh RSFSR, 1966 66] p 24 plates (BII)

## LENINGRAD—RECREATION CENTERS

Youth cafes, V. D. Kirikhovskii Stroil. i arkh. i en. 28 no. 5-8-30 My '66

## LENINGRAD—RESTAURANTS, LUNCHROOMS, ETC.

An incomprehensible decision. A. Filimonov, Prii. i izn. no. 2-66 Ja '67.

## LENINGRAD—RETAIL TRADE—ACCOUNTING

Technique accounting in the retail trade. V. Arkhipova, V. Kuznetsova, Bukh. i uch. no. 12-10-12 D '66.

## LENINGRAD—REVOLUTION OF 1905

**Institut istorii partii, Leningrad.** [Petrograd Bolsheviks in three revolutions] *Petrogradskie bol'sheviki v trekh revoliutsiakh.* [By] N. A. Ivanov i dr. [Leningrad] Lenizdat, 1966. 461 p.

## LENINGRAD—REVOLUTION, 1917-1921

**Frykalo, E. F.** [The October aimed uprising in Petrograd] *Oktabr'skoe voennoe vstanie v Petrograde* [Leningrad] Lenizdat, 1966 487 p

**Institut istorii partii, Leningrad.** [Petrograd Bolsheviks in three revolutions] *Petrogradskie bol'sheviki v trekh revoliutsiakh.* [By] N. A. Ivanov i dr. [Leningrad] Lenizdat, 1966. 461 p.

**Metlitskii, B. G.** [Again in Petrograd; V. I. Lenin's visit to Petrograd, March 12-13, 1919] *Shova v Petrograde, o prelyazanii V. I. Lenina v Petrograde 12-13 marta 1919 goda.* [Leningrad] Lenizdat, 1966. 102 p.

Slugs of a glorious path. B. Shobunin, M. Nikitin. Mol. flot 27 no. 1-5-8 Ja '67

## LENINGRAD—RUSSIAN SOCIAL DEMOCRATIC PARTY

History of the cultural and educational work of the Petrograd Bolsheviks during their preparations for the October Revolution. V. V. Gorbanov. Vop. iz KPSS 11 no. 2-75 F '67

## LENINGRAD—SCHOOLHOUSES—DESIGN AND CONSTRUCTION

10 young Leningraders. Stroil. i arkh. i en. 28 no. 6-1 Je '66.

## LENINGRAD—SILGE, 1941-1944

**Krivich, G. D.** [The women saviors of Leningrad] *Zhen'skiiy snabzheniiy Leningrada.* Leningrad, Ob-vo "Znanie" RSFSR, 1966. 39 p.

## LENINGRAD—STEAM TURBINES—DESIGN AND CONSTRUCTION

Experimental study of the causes of interference in the blading of type VK-100-2 turbine developed by the Leningrad Metalworks, S. A. Prokhorov, N. S. Chernetskii, M. A. Trubnikov. *Enginomashinostr. i en.* 6 no. 9-1-5 S '66.

Improving the starting technology of type VK-100-2 turbines manufactured by the Leningrad Metalworks. M. A. Trubnikov and others. *Teplotekhnika* 7 no. 8-14-51 Ag '66.

Start starters of the VK-50-3 turbine. B. I. Levchenko. *Enginomashinostr. i en.* 6 no. 10-28 O '66.

## LENINGRAD—STEEL

Expand the warehouse supply of metal. I. Potapov. *Mat.-tekhn. snab. i en.* 1 no. 1-75-76 O '66.

## LENINGRAD—STREETS

Avenue of the People's Militia. Shoi. i arkh. i en. 28 no. 6-16-17 Je '66.

## LENINGRAD—SWIMMING POOLS—DESIGN AND CONSTRUCTION

Open-air swimming pool: plan for an experimental facility. Stroil. i arkh. i en. 28 no. 5-16 My '66.

## LENINGRAD—THEOLOGICAL SEMINARIES

Address of Metropolitan Nikolai at the commencement in the Leningrad Theological Academy, October 9, 1966 *Zhur. Mosk. Patri.* no. 12/30-33 '66.

The twentieth anniversary of the revival of Leningrad theological schools. N. Medvedev. *Zhur. Mosk. Patri.* no. 12/33-36 '66.

## LENINGRAD—TRANSPORTATION, AUTOMOTIVE—MANAGEMENT

Efficiency of mathematical methods for planning automotive transportations. V. Boharykin. *Avi. transp.* 45 no. 1-17 Ja '67.

## LENINGRAD—TRANSPORTATION, AUTOMOTIVE—STUDY AND TEACHING

Popular university of science, technology and advanced experience. V. Gapunov. *Avi. transp.* 40 no. 0-8-0 Ja '62

## LENINGRAD—VISITORS, FOREIGN

Delegation from our brother city. Stroil. i arkh. i en. 28 no. 6-35 Je '66.

## LENINGRAD—WAR MEMORIALS

"From Leningraders to Leningraders" A. I. Pitbul'skii Stroil. i arkh. i en. 29 no. 1-20-22 Ja '67.  
Greenbelt of Glory. A. I. Machev. Stroil. i arkh. i en. 28 no. 6-13-16 Je '66.

## LENINGRAD PROVINCE—BUILDING RESEARCH

In laboratories of the Regional Institute. Stroil. i arkh. i en. 29 no. 1-23-24 Ja '67.

## LENINGRAD PROVINCE—CONFECTIONERY INDUSTRY

In honor of the 50th anniversary of the Great October Revolution. Klub i kund. prom. 11 no. 1-3 Ja '67.

## LENINGRAD PROVINCE—CRANBERRIES

Is it possible to cultivate cranberries? N. Ignashiev. *Zashch. sel'khoz. prod.* no. 12/34-35 D '66.

## LENINGRAD PROVINCE—ELECTRONIC DATA PROCESSING—AGRICULTURE

Determining the optimal combination of branches in an agricultural enterprise. A. G. Iakushev, V. N. Aida. *Ikon i mat. metod.* 3 no. 1-132-138 Ja-F '67

## LENINGRAD PROVINCE—ENGINEERING LABORATORIES

In laboratories of the Regional Institute. Stroil. i arkh. i en. 29 no. 1-23-24 Ja '67.

## LENINGRAD PROVINCE—GRAIN

Large crops of grain. A. Markstantova. *Inform. biul. VDNKh* no. 12/25-27 D '66.

## LENINGRAD REGION—REGIONAL PLANNING

City of Pushkin, plan for reconstruction and new building. G. K. Grigor'eva, Stroil. i arkh. i en. 28 no. 12-1-8 D '66.

## LENINGRAD UNIVERSITY

Administration of an institution of higher education, problems relating to the improvement of the administration of Leningrad University. L. E. Gremiako, D. A. Kuzinov. *Vest. LGU* 21 no. 23-166-167 '66

## LENKORAN' LOWLAND—PHYSICAL GEOGRAPHY

Division of the Lenkoran' Lowland into landform regions. A. A. Aliev, G. K. Gaganov. *Trudy Azerb. geog. ob-va* 4:30-44 '66

## LENSES

Measuring the light transmission of microscope objectives in the ultraviolet region. R. M. Larina, L. S. Agroskin. *Opt. i tekhn. prom.* 33 no. 12-6-8 D '66.

## LEPTOSPIRA see subdivision under Armenia

## LEPTOSPIROSIS see subdivision under Bakui; Mogilev Province

## LEHMONTOV, MIKHAIL IUR'EVICH, 1814-1841

Who is this Ossian? A. Kalmanovich. *V mire knig* 6 no. 6-11-45 Ju '66

## LESOTHO—DESCRIPTION AND TRAVEL

Trying times for Lesotho. M. Zenovich. *Nov. vrem.* 23 no. 9-20-22 F '67.

## LESOTHO—POLITICS AND GOVERNMENT

Trying times for Lesotho. M. Zenovich. *Nov. vrem.* 25 no. 9-20-22 F '67.

## LETHRUS see subdivision under Donets Valley

## LEUCOCYTES

Cultivation of leucocytes of peripheral blood without phytohemagglutinin. G. G. Poroshenko. *Probl. gemat. i perel. krovi* 10 no. 12-48-49 D '65

Cytochemical characteristics of leucocytes of peripheral blood in chronic lymphatic leukemia. TS. V. Chuchaladze. *Soob. AN Gruz. SSR* 44 no. 3-811-816 D '66.

Immunogenetic study of a culture of leucocytes of human peripheral blood. Report No. 1. Lymphocytic test in diagnosis of monozygotic twins. J. L. Gol'dman. *Genetika* no. 12-05-04 '66.

Period of protein synthesis in leucocytes of human peripheral blood cultivated in vitro, a radiographic study. L. A. Levina, S. I. Polikarpova, I. M. Shapiro. *Dokl. AN SSSR* 171 no. 4-980-991 D '66.

Use of fluorescence microscopy in the detection of early changes in peripheral blood under the effect of ionizing radiation. L. A. Leschinskii, V. V. Trusov, E. V. Lavrent'ev. *Med. rad.* 7 no. 10-32-35 O '62

## LEUCOCYTOSIS

Digestive leucocytosis in breast. L. I. Smirnova. *Trudy Inst. biol. vnutr. vod.* no. 10-143-147 '66.

Digestive leucocytosis in cancer patients. I. T. Abasov. *Dokl. AN Azerb. SSR* 10 no. 3-59-62 '62.

## LEUCOPENIA

Leucopenia in sanatorium patients and its dynamics during the treatment period in Kislovodsk. S. N. Oranskina. *Vop. kur. i fizioter. i lech. fiz. kul't.* 81 no. 6: 523-526 '66.

## LEUKEMIA

(See also subdivision under Krasnodar Territory, Sochi, Tuapse)

Basic trends in the search for antileukemic therapeutic agents. V. A. Chernov, I. S. Sazonov. *Probl. gemat. i perel. krovi* 10 no. 12-3-13 D '65

Clinical and morphological characteristics of leukemia in newborn infants. I. G. Ushin. *Probl. gemat. i perel. krovi* 12 no. 1-41-43 Ja '67

Combination of chronic lymphatic leukemia and adenocarcinoma of the stomach. V. V. Bogdanov. *Probl. gemat. i perel. krovi* 10 no. 12-47-48 D '65

Cytochemical characteristics of leucocytes of peripheral blood in chronic lymphatic leukemia. TS. V. Chuchaladze. *Soob. AN Gruz. SSR* 44 no. 3-811-816 D '66

Effect of eleutheroococcus on the leukemogenic action of indole. A. N. Shukov. *Vop. onk.* 13 no. 1-44-55 '67

Eosinophilic form of leukemia. A. S. Golovko, V. L. Zapishtina. *Probl. gemat. i perel. krovi* 10 no. 12-46 D '65

Etiology of leukemia, exogenous virus or pathogenic endogenous nucleoproteins? *Probl. gemat. i perel. krovi* 10 no. 12-25-32 D '65

Etiology of spontaneous leukemia in mice of the C57 strain. E. Natak and others. *Probl. gemat. i perel. krovi* 12 no. 1-41-46 Ja '67

Idiopathic myelofibrosis and secondary myelofibrosis in chronic myeloid leukemia. TS. V. Chuchaladze. *Probl. gemat. i perel. krovi* 12 no. 1-24-24 Ja '67.

Metaplastic processes in the stomach and oesum in leukemia. X-ray observations. G. P. Matysishin. *Probl. gemat. i perel. krovi* 12 no. 1-34-36 Ja '67.

Pathogenesis and therapeutic prospects of leukemia. J. Aleksandrovich, J. Naskalsh, J. Sanajid. *Probl. gemat. i perel. krovi* 12 no. 1-24-27 Ja '67.

Plasma-cell leukemia. F. A. Ushakova and others. *Probl. gemat. i perel. krovi* 10 no. 12-18-25 D '65.

Platocytic changes. N. A. Kisevskii, N. M. Nemenova. *Probl. gemat. i perel. krovi* 10 no. 12-13-18 D '65

Remarks on Professor I. A. Kassirskii's article "Some controversial problems of the etiology and pathology of leukemias." V. V. Gotsilova and others. *Probl. gemat. i perel. krovi* 10 no. 12-35-40 D '65

Remissions in leukemia. I. A. Kassirskii, E. V. Fleishman, I. M. Rybnikova. *Probl. gemat. i perel. krovi* 12 no. 1-3-12 Ja '67

Some data on the leukemia of cattle. V. M. Lemesch, M. M. Herasimovich. *Vest. IN BSSR Ser. sel'sk. i zhiv. nav.* no. 1-122-127 '66

Unusual course of reticulosis. N. F. Khimova, N. V. Nikiforova, N. V. Chubutova. *Probl. gemat. i perel. krovi* 10 no. 12-11-15 D '65

## LEVELING—STUDY AND TEACHING

Automatic leveling as explained in textbooks. O. A. Danilov. *Avi. dor.* 24 no. 11-31-32 N '61.

## LEVRENEV, BORIS ANDREEVICH, 1891-1959

An original talent. I. Vishnevskaya. *V mire knig* 6 no. 6-28-29 Ju '66.

## LEVULINIC ACID

Extraction of levulinic acid from water solutions. L. L. Shil'nikova, V. I. Sharkov. *Sb. i. tud. NIIS* 11-147-151 '65.

## LEWISITE see subdivision under Murmansk Province

## LIABILITY (LAW)

Liability for damage caused by a "source of increased hazard." *Sots. zakon* 38 no. 7-60-82 J '61

Liability of servicemen. *Komm. Vooruzh. Sil* 47 no. 1-89 Ja '67

## LIBERTY OF THE PRESS see subdivision under United States

## LIBRARIES

(See also subdivision under Armenia, Saratov) Brief information notes. *Bibliotekar'* 44 no. 2-62-63 F '67.

Brief news. *Bibliotekar'* 41 no. 2-60-61 F '67

Letters to the editor. *Bibliotekar'* 44 no. 2-57-59 F '67.

## LIBRARIES—BRANCHES, DELIVERY STATIONS, ETC. see subdivision under Saratov Province

## LIBRARIES, CHILDREN'S

A journey through the revolution. F. Lukicheva. *Bibliotekar'* 41 no. 2-33-37 F '67.

Some thoughts about the legislation cards of readers. I. Pashkova. *Bibliotekar'* 44 no. 2-37-40 F '67

## LIBRARIES, PRIVATE

Home libraries. N. Speransov. *Knizh. log.* 18 no. 1-50 Ja '67.

## LIBRARIES, UNIVERSITY AND COLLEGE

(See also subdivision under Saratov) Establishment and development of the chains of libraries in the institutions of higher education. N. P. Nikitina. *Trudy Nauch. bibl. SGU* no. 3-41-75 '64.

## LIBRARIES AND READERS see subdivision under Bashkiriya; Chelyabinsk Province; Echmiadzin (Armenia); Feodosiya, Simferopol'



## LINKS AND LINK MOTION

Analytic method of kinematic investigation of the co-dimensional three-bar linkages. D. S. Tavkhelidze, Z. S. Natsvlishvili. Soob. AN Gruz. SSR 44 no. 2:101-108 N '66.

## LINOILUM

Machine for cutting linoleum. M. N. Mikhaidze. Strel. i. Arkh. Uzr. 7 no. 12:18-19 D '66.

## LIPETSK PROVINCE—GHAN TRADE

Lipetsk Province. G. Kh. Mikh. Z. Z. Kup. sel'khoz. prod. no. 11:11-12 N '66.

## LIPID METABOLISM

Age-related changes in lipid metabolism in white rat liver. T. L. Dubina. Vestn. AN BSSR, Ser. biol. nav. no. 1:124-125 '67.

Effect of high xanthine content in diet on content of this nucleobase in organs and tissues of rabbits and some components of carbohydrate and lipid metabolism. V. M. Khodak. Vestn. AN BSSR, Ser. biol. nav. no. 1, 4:5-6 '67.

Lipamine and lipid metabolism. IV. M. Aytounski. Vestn. AN BSSR, Ser. biol. nav. no. 3:79-86 '66.

## LIPIDOSIS

Generalized xanthomatosis in the adolescent form of diabetes mellitus. A. D. Leeva. Strel. nauch. tr. SOGMI no. 10:188-190 '61.

Postconclusion generalized skin xanthomatosis. A. Kh. Atyayev. Strel. nauch. tr. SOGMI no. 10:191-194 '61.

## LIPIDS

Cytochemical study of testes in fish. Report No. 2, 1-14. N. A. Butskina. Arkh. anat., gist. i. emb. 51 no. 10:81-86 O '66.

Free radical processes in lipids of animal tissues with a graft of tumor. A. N. Vodelavskii and others. Dokl. AN SSSR 172 no. 3:113-115 Ja '67.

## LIPOCAN

Estimating activity of adiponin, lipocane and prolactin following separate and combined administration. G. T. Pavlov. Prikl. mikr. i. germ. 8 no. 6:37-10 N-D '62.

## LIPIC ACID—THERAPEUTIC USE

Results of using thioctate and galascorbin for the treatment of epidermal lipofilia. L. B. Romanova and others. Sov. med. 30 no. 1:86-89 Ja '67.

## LIPOLYSIS

Effect of high-fat diet on lipolytic tissue activity. A. A. Pokrovskii, R. A. Pilenitsyna. Vopr. pit. 25 no. 6:10-11 N-D '66.

## LIPS—DISEASES

Lichen ruber planus in the oral cavity and on the red margin of the lips. I. I. Abramova. Sov. med. 30 no. 1:141-145 Ja '67.

## LIQUEFIED GASES—DENSITY

Density of Ar, CH<sub>4</sub>, and N<sub>2</sub>-CH<sub>4</sub> solutions of liquefied gases. I. U. P. Blahol. Ukr. fiz. zhur. 1 no. 6:577-585 S-O '69.

## LIQUEFIED PETROLEUM GAS

see subdivision under Moscow Province

## LIQUEFIED PETROLEUM GAS—DRYING

Drying of liquefied wide fraction of petroleum stabilizing plants. M. N. Tolentova, R. V. Vigelok, D. G. Eimakov. Gaz. delo no. 12:16-19 '66.

## LIQUEFIED PETROLEUM GAS—STORAGE

Identification of means of securing salt deposits for petroleum products and liquefied gas reservoirs. N. K. Sidorova. Neft. i. gaz. prom. no. 6:42-44 N-D '66.

Boiler storage tanks for liquefied gases in oil fields. V. A. Vozdetski. Neft. i. gaz. prom. no. 6:45-48 N-D '66.

## LIQUID ALUMINUM

Corrosion resistance of certain metallic materials in molten aluminum. I. B. Serebriakova and others. Zashch. met. 3 no. 1:111-121 Ja '67.

## LIQUID COPPER—METALLOGRAPHY

Structure of copper and nickel melts in vicinity of the melting point. P. Z. Spektor, S. F. Khokhlov. Izv. AN SSSR, Met. no. 1:70-75 Ja '67.

## LIQUID FUELS

Automatic apparatus for the combustion of liquid fuel. A. S. Iosadze. Muz. i. elev. prom. 20 no. 4:32 Ap '66.

## LIQUID GALLIUM

Absorption of some aliphatic alcohols on liquid gallium. M. B. Chigor'ev, I. A. Bogotskaya. Elektrokhimia 2 no. 12:1449-1452 D '66.

## LIQUID HELIUM—THERMAL PROPERTIES

Instability of Fermi systems and heat capacity of liquid He<sup>3</sup>. B. A. Kirzhnits, B. A. Nepomniashchii. Pis'ma v red. Zhur. eksper. i. teori. fiz. 4 no. 3:86-90 Ag '66.

## LIQUID HYDROGEN—SPECTRA

Induced absorption spectra of condensed systems. Calculation of the transition component of the main vibration band for liquid hydrogen. N. O. Bulant, M. V. Tonkov. Vestn. LGU 21 no. 22:11-15 '66.

## LIQUID LEVEL INDICATORS

Automatic feeding of steam boilers. A. I. Bezobob. Khim. i. prom. 10 no. 12:36-37 D '66.

Float valve for automatic regulation of the level of distilled water in a tube. M. M. Lempel'ska. Izv. Vsesoyuz. zhur. 18 no. 3:71 '63.

Selecting level regulator for water outside of a sub-surface irrigation network. M. Salimov. Tekhn. sel'khoz. 46 no. 12:27-30 D '66.

## LIQUID METALS

Viscosity of liquid silicon, chromium and its alloys. B. A. Baum, P. V. Gelfand, P. V. Kochetov. Izv. AN SSSR, Met. no. 1:62-69 Ja '67.

## LIQUID METALS—THERMAL PROPERTIES

Characteristics of the heat transfer processes between liquid metal and a crystallized solid metal crust on a water-cooled copper wall. L. A. Sokolov. Inzh.-fiz. zhur. 12 no. 1:82-98 Ja '67.

## LIQUID NICKEL—METALLOGRAPHY

Structure of copper and nickel melts in vicinity of the melting point. P. Z. Spektor, S. F. Khokhlov. Izv. AN SSSR, Met. no. 1:70-75 Ja '67.

## LIQUID NITROGEN

Use of liquid nitrogen in the freezing of food products. N. A. Golovyn, V. Vit. Khim. i. tekhn. 43 no. 1:55-56 N '66.

## LIQUID-SILICON-MANGANESE ALLOYS—TESTING

Properties of the phase separating interface in liquid silicon-manganese with molten slag. Sh. N. Mikhaylov, I. U. M. Gogol'idze. Soob. AN Gruz. SSR 11 no. 3:687-692 D '66.

## LIQUID STEEL

Adhesion of oxides to steel and slag. S. K. Chuchmarov, O. A. Pulin, V. M. Kamyshov. Izv. v. s. ucheb. zav., chem. met. 10 no. 1:16-19 '67.

## LIQUID ZINC—TRANSPICITATION

Veselov, I. V., and A. V. Eglits. [Using magnetohydrodynamic floating pump in conveying liquid zinc.] Transport zhidkogo tsinka pri pomoshchi magnetogidrodinamicheskogo nasosa plavalushchego tipa. Riga, Latvskii respubl. nauchno-issled. in-t, 1966. 28 p. (Listok tekhnicheskoi informatsii Mashinostroenie i priborostronienie)

## LIQUIDS

Study of the structure and dynamics of liquids by means of nuclear relaxation. V. I. Chizhik. Prikl. sovi. khim. koor. soed. no. 1:248-251 '66.

## LIQUIDS—OSCILLATIONS

Motion of organic liquids in an alternating inhomogeneous electric field. I. M. Soldovnichenko. Izv. vys. ucheb. zav. i. fiz. 9 no. 6:151-152 '66.

## LIQUIDS—THERMAL PROPERTIES

Heat conductivity of liquid mixtures. G. N. Dufnev, I. U. P. Zaitchinsk. Inzh.-fiz. zhur. 11 no. 6:747-750 D '66.

## LISAVENKO, MIKHAIL AFANAS'EVICH, 1897-

Academician of the All-Union Academy of Agricultural Sciences Mikhail Afanas'evich Lisavenko. Vestn. sel'khoz. nauki 11 no. 12:122-123 D '66.

## LISICHANSK (UKRAINE)—CITY PLANNING

Prospective development of Lisichansk. I. Kosenov. Stroitel. arkhit. 15 no. 1:31-35 Ja '67.

## LISICHKIN, G. S.

Instructive reflections. N. Petrakov, K. Gofman. Nov. mir 42 no. 7:264-267 Ji '66.

## LITERATURE—BIBLIOGRAPHY

see Bibliography—Literature

## LITERATURE—EXAMINATIONS, QUESTIONS, ETC.

Dialectical correlation between image and words in literary art. M. Nurmatov. Nauch. tr. TashGU no. 2:79-85-86 '66.

## LITERATURE—HISTORY AND CRITICISM

Artemov, S. D., Z. T. Grazhdanskaya, and R. M. Samarin. [History of foreign literature of the 17th-18th centuries.] Istoriia zarubezhnoi literatury XVII-XVIII vv. Izd. 3. Moskva, Prosveshchenie, 1967. 854 p.

[Literature for the 11th grade.] Literatura XI klasi, Riga, Zvaigzne, 1966. 210 p. [In Latvian]

## LITERATURE—HISTORY AND CRITICISM—BIBLIOGRAPHY

see Bibliography—Literature—History and criticism

## LITERATURE, COMPARATIVE—ARMENIAN AND PERSIAN

Chukaszian, B. L. [Armenian-Persian literary relations in the 18th century, research.] Armiano-litanskii literaturny svyazi v XVIII vv., razyskaniia. Erevan, Izd-vo AN Armianskoi SSR, 1963. 245 p. [In Armenian] (In)

## LITERATURE, IMMORAL

Not all tales deserve interpretation. A. I. Gukovskii. Vop. lit. 42 no. 1:184-186 Ja '67.

## LITHIUM

see subdivision under Lovozero Tundra

## LITHIUM ALUMINATES

Lithium sulfolithohydroaluminate. V. P. Danilov, I. N. Iepeshkov, L. T. Kolova. Zhur. neorg. khim. 12 no. 1:184-188 Ja '67.

## LITHIUM FERRATES

Mixed lithium zinc ferrite. T. I. Koshchadze. Soob. AN Gruz. SSR 44 no. 2:281-284 N '66.

## LITHIUM FLUORIDE CRYSTALS

Frequency dependence of internal friction in lithium fluoride single crystals. E. P. Belozorova, N. A. Tlapunina, T. A. Kozak. Fiz. tver. tela 8 no. 11:373-377 N '66.

## LITHIUM FLUORIDE CRYSTALS—DEFECTS

Motion of charged dislocations in LiF crystals in alternating electric fields. D. G. Di Naev, V. A. Mikh-Shtatman-zarov. Fiz. tver. tela 8 no. 11:3280-3281 N '66.

## LITHIUM ORGANIC COMPOUNDS

see Organolithium compounds

## LITHIUM PLATING

Electrodeposition of lithium from its chloride solutions in dimethylformamide. N. A. Zolov, K. R. Khlystova. Prikl. khimia 2 no. 12:1444-1448 D '66.

## LITHOGRAPHY

see subdivision under Uzbekistan

## LITHUANIA—ATHEISM

Come unto him, people... Ed. El'iashev. Mol. komm. no. 4:82-87 '66.

## LITHUANIA—CLIMATE

Garbaliuska, C., and V. Škėmėlovas, eds. [Lithuanian climate.] Lietuvos klimatas. [By] A. Buzas ir kiti. Vilnius, Mintis, 1966. 158 p. [In Lithuanian]

## LITHUANIA—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK

A useful study group. Agitator 34 no. 3:37 F '67.

## LITHUANIA—HISTORY

Macevicius, K. [The grain ripened a long time.] Ngai brandinimas grudas. Vilnius, Vaga, 1964. 321 p. [In Lithuanian] (MH)

## LITHUANIA—INDUSTRIAL PROCUREMENT

In the interest of consumers. I. Malaitis. Mat. i. lepb. snabzi 1 no. 4:37-44 O '66.

## LITHUANIAN ENCYCLOPEDIAS AND DICTIONARIES

see Encyclopedias and dictionaries, Lithuanian

## LITHUANIAN LITERATURE—HISTORY AND CRITICISM

Venclova, Antanas. [Time and writers.] Laikas ir rašytojai. Vilnius, Vaislytine grotines lit-ros leidykla, 1958. 786 p. [In Lithuanian]

## LITHUANIAN PROSE LITERATURE—HISTORY AND CRITICISM

Kaminskis, J., and A. Radzevicius. [Problems of style and character in Soviet Lithuanian prose.] Stilius ir charakterio problemos lietuviu tarybiniu prozoje. Vilnius, Vaga, 1966. 287 p. [In Lithuanian]

## LITVEN, GEORGI MIKHAILOVICH, 1902-1966

Georgii Mikhailovich Litven, an abiturient. Arkh. anat., gist. i. embr. 51 no. 12:103-104 D '66.

## LITVINOV, MAKSYM MAKSYMOVICH, 1876-1951

Encounters and partings (from recollections about M. M. Litvinov). I. Litvinova. Nov. mir 42 no. 7:235-250 Ji '66.

## LIVER—BIOPSY

Pathomorphological changes in the liver in cholelithic cholecystitis detected by means of punctate biopsy. I. I. Solov'eva-Raskina, Khirurgia 42 no. 12:52-59 D '66.

## LIVER—BLOOD SUPPLY

Clinical significance of splenoportography in cirrhosis of the liver with intrahepatic block of hepatic circulation. L. A. Ender, V. A. Obukhov. Khirurgia 42 no. 12:20-25 D '66.

Surgical correction of disorders of portal hemodynamics in cirrhosis of the liver. D. M. Mamamtyrshvili. Khirurgia 42 no. 12:11-15 D '66.

## LIVER—CIRRHOSIS

Clinical and morphological characteristics of chronic liver cirrhosis and cirrhosis in children. R. F. Bronshteyn. Dokl. Akad. Nauk AN SSSR no. 86 92 '66.  
Clinical significance of splenoprotectants in cirrhosis of the liver with intrahepatic block of hepatic circulation. L. A. Linder, V. A. Oshchepkov, Kharkov, 42 no. 12 20-25 D '66.  
Surgical correction of disorders of portal hemodynamics in cirrhosis of the liver. M. M. Mamantov, Kharkov, 42 no. 11-15 D '66.

## LIVER—DISEASES

Clinical and morphological variations of hepatic and pancreatic lesions in burn. M. I. Tolstoj, A. I. Fomin, O. A. Samokhina. Sov. med. 30 no. 150-54 Ja '67.  
Effect of chloroform on tissue respiration of the liver in experimental chronic toxic hepatitis. V. Kh. Baulat, Biol. eksp. biol. i med. 63 no. 150-52 Ja '67.  
Effect of intragastric administration of oxygen on some metabolic indices in acute experimental toxic hepatitis. V. I. Uspenskiy, Biol. eksp. biol. i med. 63 no. 153-55 Ja '67.  
Effect of thyrotoxicosis on cholesterol metabolism in alimentary atrophic cirrhosis in experimental lesions of the liver. L. A. Mikhailov, V. M. Lobov, V. A. Koshil', Biol. eksp. biol. i med. 63 no. 131-34 Ja '67.  
Health resort therapy of patients with diseases of the liver and bile ducts. V. S. Bismeyev, A. K. Pislegin, Vop. kuz., fizioter. i lech. iz. bul't. 27 no. 6 481-488 D '62.  
Treatment of chronic diseases of the liver and bile ducts by the use of highly mineral water and paraffin. V. A. Lilev, Vop. kuz., fizioter. i lech. iz. bul't. 27 no. 6 193-200 N-D '62.

## LIVER—SURGERY

Structure of the regenerated liver following its resection in young rats at various ages. V. F. Sidorova, Biol. eksp. biol. i med. 63 no. 181-85 Ja '67.  
Thrombotic complications following operation for portal hypertension and their prevention by means of anticoagulants. S. G. Lomskov, V. A. Zhuravlev, Kharkov, 42 no. 12 16-20 D '66.

## LIVER—TUMORS

Methodology for scanning the liver with <sup>131</sup>I-labeled rose bengal in oncology. M. V. Volkova, N. V. Oshchepkov, V. Z. Agronov, Med. rad. 7 no. 10 6-15 O '62.

## LIVER FLUKES

Acute period of opisthorchiasis. A. I. Kravtsov, Sov. med. 29 no. 10 70-72 O '66.  
Clinical diagnosis of some forms of opisthorchiasis. L. E. Brodov, Sov. med. 29 no. 11 100-103 N '66.  
Experience in obtaining molds of the digestive system of fasciola. A. V. Vainshteyn, Med. parazit. i parazit. bol. 35 no. 6 735 N-D '66.

## LIVER FUNCTION TESTS

Intoxic function of the liver in alcoholic delirium. M. S. Shafranov, Trudy Gos. nauch.-issl. inst. psikh. 26 330-334 '61.  
Clinical significance of the urea-synthesizing function of the liver in infectious hepatitis. G. F. Belov, Sov. med. 29 no. 11 74-76 N '66.  
Evaluation of a new Soviet preparation rose bengal: data on the experimental use under normal conditions and in radiation sickness. V. V. Sedov and others, Med. rad. 7 no. 10 15-21 O '62.  
Functional state of the liver in typhoid and paratyphoid bacterial carriage. T. N. Golubchikova, Sov. med. 29 no. 10 99-102 O '66.  
Liver function tests using <sup>131</sup>I-labeled rose bengal. M. N. Fateeva and others, Med. rad. 7 no. 10 3-8 O '62.  
Neuro-psychic disorders of the disintegrative function of the liver in Botkin's disease. G. A. Sheptev, Trudy Gos. nauch.-issl. inst. psikh. 26 289-295 '61.  
Regenerative function of the liver in insufficiency of blood circulation. N. E. Fedorov, Sov. med. 30 no. 11 48-49 Ja '67.

## LIZARDS

Study of the electrical activity of neurons in the archaic cortex in lizards. K. H. Gusev, V. I. Gusev, Fiziol. zhur. 49 no. 3 277-280 Mr '63.

## LOADING AND UNLOADING

Effect of vibration parameters on the process of dispersion and movement of tree stem bundles. Z. I. Karlinik, Les. bum. i der. prom. no. 3 162-168 '66.  
Use of a new charger. M. Kuznetsov, A. Lappik, Izv. zh. 19 no. 2 7 F '62.  
Use of car loaders. E. Zinger, P. Biluz, Muk. i elev. prom. 28 no. 4 26-27 Ap '60.

## LOADING AND UNLOADING—EQUIPMENT AND SUPPLIES

Front loader on the T-16 chassis. A. Lysenko, Tekh. i sel'khoz. 27 no. 1 40 '67.  
ZSA-40 truck-mounted loader. A. Gorenshstein, Berrin'sh, Tekh. i sel'khoz. 27 no. 1 37-38 '67.

## LOADING AND UNLOADING—MECHANIZATION

Equipment for loading work. V. E. Gora, Put' i put. khoz. 10 no. 10 11-13 '66.  
Loading and unloading of ties at the plant, I. G. Tverdokhlebov, Put' i put. khoz. 10 no. 10 16 '66.  
Loading and unloading set. V. M. Shkryl', Put' i put. khoz. 10 no. 10 11-15 '66.  
Transshipment bases on track ranges. V. N. Slesarenko, Put' i put. khoz. 10 no. 10 14-18 '66.

## LOADING AND UNLOADING—PRODUCTION STANDARDS

In the State Committee on Labor and Wages of the Council of Ministers of the U. S. S. R. and the All-Union Central Council of Trade Unions. Sots. trud. 12 no. 1 112-113 Ja '67.

## LOBANOV (TULA PROVINCE)—DISTILLING INDUSTRIES

Processing of sugar beets in the Lobanov Distillery. M. M. Turenko, Spirt. prom. 28 no. 7 12-15 '62.

## LOCAL TRANSIT—ABSTRACTS

(Automotive and city transportation) Ref. zhur. Avt. i gor. transp. no. 2 F '67.

## LOCAL TRANSIT—COSTS

Rosenberg, S. V. [Planning for the cost of transportation in the municipal electric transit system; a methodological aid]. Planirovaniye sebestoimosti perevozok na gorodskom elektricheskoye, metodicheskoe posobie. Izd-vo M. va kommun. khoz. RSFSR, 1958. 61 p.

## LOCATION OF INDUSTRIES see Industries, Location of

## LOCOMOTIVE ENGINEERS

Go forward, our locomotive! P. Korop, Mol. komm. no. 12 90-97 D '61.  
Technical knowledge is of great importance. P. I. Slavov, Flek. i tepl. iuga 10 no. 12 9 D '66.

## LOCOMOTIVES

Some improvements of the sand system of locomotives. V. F. Doroshenko, N. N. Kamenov, Flek. i tepl. iuga 10 no. 12 26 D '66.

## LOCOMOTIVES—INSPECTION

Locomotive inspection station. I. N. Bol'shakov, Flek. i tepl. iuga 10 no. 12 6-9 D '66.

## LOCOMOTIVES—MAINTENANCE AND REPAIR

Consolidated graph of the operation of locomotives. M. M. Nikhlanov, Flek. i tepl. iuga 10 no. 11 20-21 N '66.  
Make systematic work the basis of operational planning of repair of locomotives in plants. G. I. Laskov, Spirt. iuzh. LIZIT no. 232 10-20 '61.

## LOCOMOTIVES—PARTS

Determining coefficients of the changeability of locomotive parts based on the small amount of statistical data. P. G. Krut'ev, N. K. Babayev, S. A. Sushchenko, Stand. i kach. 36 no. 11 63-66 N '66.

## LOCOMOTIVES—SPRINGS AND SUSPENSION

Effect of friction force in spring suspensions on intensity of static pressure of locomotive wheels on rails. B. P. Tatarsov, Spirt. iuzh. LIZIT no. 232 113-123 '61.

## LOCOMOTIVES—VIBRATION

Damping vertical vibrations of locomotives with frictional dampers. V. I. Kalinikov, Vest. TSNIIMPS 25 no. 7 27-31 '66.

## LOCUSTS see sub-division under Azerbaijan; Turkmenistan

## LODGING (PLANTS)

Ridding pine seedlings of lodging. N. S. Pogorelova, Trudy KHSKII 56 86-90 '60.  
Struggle against the lodging of pine seedlings at the Oster Forestry and Logging Unit. E. A. Rykhtyk, Lis. hosp., lis., p. p. i der. prom. no. 1 22-23 Ja-F '67.

## LOESS

(see also sub-division under Caucasus; Samarkand region)  
Comparative evaluation of various hypotheses of loess in the European part of the U. S. S. R. B. P. Iulayev, Biol. MOIP, Old. geol. 36 no. 5 149-150 S-O '61.

Statement. L. L. Savitskiy, Trudy Kom. chetv. per. 18 246-251 '61.

## LOGGING (GEOLOGY)

(see also sub-division under Crimea; Krivoy Rog Basin)  
Interpretation of recordings made by acoustic logging equipment (LAK-1). V. G. Gratsinskiy, G. V. Dakhnov, Izv. AN SSSR. Fiz. zem. no. 12 45-53 '66.  
Lithological division of the cross sections of drill holes based on laboratory radiometric data. M. I. Tolstol. Geol. zhur. 19 no. 6 54-60 '69.

## LOGIC

Problem of question and answer in logic. V. V. Zabolot, Nauch. dokl. vys. shkoly; filos. nauk. 4 no. 1 68-76 '61.

## LOGIC—CONGRUENCES

Conference on problems of logic. A. A. Vasil'yev, I. I. Shchedrovitskiy, Nauch. dokl. vys. shkoly; filos. nauk. 4 no. 1 68-76 '61.

## LOGIC, SYMBOLIC AND MATHEMATICAL

Essential variable functions in algebra of logic. I. I. Buzdant, Dokl. AN SSSR 172 no. 1 9-10 Ja '62.  
Functional completeness for algebra of logic for all not everywhere defined. R. V. Ilyukhin, 16 5-6 no. 8 55-60 '66.  
Inverse method for establishing the distributivity of binary formulae in predicate calculus. I. I. Buzdant, Dokl. AN SSSR 172 no. 1 12-13 Ja '62.  
Logic of higher order. S. R. Kogolevskiy, Izv. AN SSSR 171 no. 6 127-129 D '66.

## LOGISTICS

The national rear, conditions and nature of its work. M. Novikov, S. Okulov, Vop. kuz. i elev. prom. 28 no. 1 1-2 '61.

## LOGVINENKO, IVAN PETROVICH, 1898-

I. P. Logvinenko, on his 60th birthday. V. K. Kozlov, Vop. kuz. i elev. prom. 28 no. 1 1-2 '61.

## LOMONOSOV, MIKHAIL VASIL'EVICH, 1791-1865

In honor of the 75th anniversary of the birth of M. V. Lomonosov. D. G. Gerasimov, Vop. kuz. i elev. prom. 28 no. 1 1-2 '61.  
Works of Mikhail Lomonosov on the theory of the earth. A. V. Khudolov, Biol. MOIP, Old. geol. 36 no. 5 17-51 S-O '61.

## LONDON—AIRPORTS

The London airport. Z. Rumyantseva, Vop. kuz. i elev. prom. 28 no. 1 1-2 '61.

## LONGEVITY see sub-division under White Russia

## LONGICORN BEETLES

Spice longicorn beetle. N. T. Kostikov, Vop. kuz. i elev. prom. 28 no. 1 1-2 '61.

## LONGSHOREMEN see sub-division under Shipping

## LOOMS

Working out the system of a continuously operating with the passing of the web the catch the cloth for a stationary packing. A. A. Pyndin, Nauch.-issl. iz. TSNIIMPS 22 101-207 '66.

## LOOMS—TESTING

Factory testing of the ATP-150 pneumatic loom. A. A. Khudolov, Nauch.-issl. iz. TSNIIMPS 22 101-207 '66.

## LOGKUTOV, FEDOR MIKHAILOVICH, 1890-

Scientist, engineer, and pedagogue on his 60th birthday. Izv. AN SSSR 171 no. 6 127-129 D '66.

## LOVE

Semenov, K. I. [Secrets of human sexuality and its development]. Moscow, 1960. 101 p. (Rus. text and a gaid po planete)

## LOVOZERO TUNDRA—CHLORINE

Chlorine content in eudialyte of the Lovozero tundra. F. V. Kostin, Geokhimiya 10 1008-1011 '61.  
Some peculiarities in the distribution of chlorine in the eudialyte of the Lovozero tundra in connection with their petrochemical characteristics. F. V. Kostin, Geokhimiya 10 1001-1003 '61.

## LOVOZERO TUNDRA—EUDIALYTE

Chlorine content in eudialyte of the Lovozero tundra. F. V. Kostin, Geokhimiya 10 1008-1011 '61.

## LOVOZERO TUNDRA—LITHIUM

Contents of lithium and rubidium in minerals from alkali pegmatites of the Lovozero Massif. F. I. Kostin, Trudy IMGIR 10 4 20-23 '60.

## LOVOZERO TUNDRA—METALS, RARE AND MISC.

Contact rocks of the Lovozero Massif, their composition and the distribution of rare metals in them. F. I. Kostin, R. P. Tikhonovskaya, Trudy IMGIR 10 4 186-202 '60.

## LOVOZERO TUNDRA—MINERALS

Contact rocks of the Lovozero Massif, their composition and the distribution of rare metals in them. F. I. Kostin, R. P. Tikhonovskaya, Trudy IMGIR 10 4 186-202 '60.

## LOVOZERO TUNDRA—NEPHELINE SYENITE

Some peculiarities in the distribution of chlorine in the eudialyte of the Lovozero tundra in connection with their petrochemical characteristics. F. V. Kostin, Geokhimiya 10 1001-1003 '61.

## LOVOZERO TUNDRA—RUBIDIUM

Contents of lithium and rubidium in minerals from alkali pegmatites of the Lovozero Massif. F. I. Kostin, Trudy IMGIR 10 4 20-23 '60.

## LOW TEMPERATURE METALS see Metals at low temperatures



## LOW TEMPERATURES

Role of collective donor-acceptor interactions in fast low-temperature molecular reactions. Reactions of olefin halogenation. V. I. Likhovskii, Dokl. AN SSSR 172 no. 3 611-611 Ja '67

## LUBRICATION AND LUBRICANTS

(see also subdivision under Foreign)  
Action mechanism of selective solvent in extraction of lubricant stock. A. V. Lukhachov, Neftekhim. no. 8-12 '66  
Conditions for the dewaxing process of a large fraction and of the lubricant distillate from Sumkhany selective crude by the use of carbamide. A. M. Kuliev and others. Sbornik A. NII NP no. 3 174-175 '58

Effect of the conditions of catalytic purification on the filterability of catalyzed oil, and ways for improving its filterability. A. M. Kuliev and others. Sbornik, Az NII NP no. 3 194-208 '58

Effect of the quality of lubricating oils on the life of the gears. G. I. Skundin, Trakt. i mash. 10 no. 3 11-17 Mi '60

Lubricating properties of poly(methylphenylsiloxanes). T. V. Kotolova and others. Plast. massy no. 1 22-25 '67

Requirements from the assortment of engine oils and suggestions for improving their qualities. N. G. Puchkov, E. N. Eshakov, Trakt. i mash. 10 no. 3 11-11 Mi '60

Rheological properties of plastic lubricants and the resistance to rotation of rolling-friction bearing at low speeds. I. U. D. Dinega, I. A. Verbitski, Dokl. AN SSSR 172 no. 3 572-575 Ja '67

Short-term methods for a preliminary evaluation of the wear properties of motor oils. V. I. Danilov, G. G. Kharin, K. N. Gorbunov, Sbornik A. NII NP no. 3 261-273 '58

Testing operations on the final purification of lubricants. T. M. Nikolayeva and others. Neftekhim. no. 12 15-17 '66

Water oil for hydraulic drive construction machinery. V. A. Aver'yanov, M. I. Lutsman, S. I. Rysak, Priklad. stroit. 16 no. 1 50-51 Mi '66

## LUBRICATION AND LUBRICANTS—ADDITIVES

New foreign specifications for motor oils with additives. A. B. Vipper, D. A. Gubarev, Neftekhim. no. 5 54-56, 1 of cover '66

Performance of lubricating oils produced from Bakul crude, with multifunctional ANII additives. I. I. Litvinchik, Sbornik A. NII NP no. 3 274-281 '58

Performance of various groups of oil hydrocarbons and their receptivity for the ANII-7 additive. A. M. Kuliev and others. Sbornik, Az NII NP no. 3 209-227 '58

Solubility of the ANII additive in lubricants of different hydrocarbon composition. A. M. Kuliev and others. Sbornik, Az NII NP no. 3 228-234 '58

Synthesis of ANII-4 and ANII-7 additives with radioactive sulfur and calcium. M. M. Mikh-Zade and others. Sbornik, Az NII NP no. 1 241-248 '58

Synthesis of multifunctional additives based on alkylphenol and sulfonamide of a sulfonated petroleum product. A. M. Kuliev, D. A. Akhmedzade, Sbornik, Az NII NP no. 3 235-242 '58

Vysokozhiznnoe nachalo-tekhnicheskoe soyedyneniye po prikladnuyu k mineral'nyy maslam. 2d. 1966. [Oil additives, Translations] Prikladn. masla, trudy. Pod red. S. E. Krejma i dr. Moskva, Khimika, 1966, 300 p.

## LUBRICATION AND LUBRICANTS—COOLING

Improving the design of oil coolers. V. I. Vol'fenzon, Tekhn. i org. protzv. no. 6 99-110 '66

## LUBRICATION AND LUBRICANTS—THERMAL PROPERTIES

Thermophysical characteristics of hydrocarbon greases. V. V. Zhurav and others. Izv. vuzov, no. 3 11-14 '66

## LUCIANUS SAMOSATENSIS

Philosophical views of Lucianus. B. L. Galkina, Vest. Kiev. univ. no. 1 166-172 '66

## LUCRETIVUS CARUS, TITUS

Basic concepts of ethics in the works of Lucretius and Epicurus. Z. A. Pokryshkina, Vest. Kiev. univ. no. 4 157-160 '66

## LUGANSK—ART GALLERIES AND MUSEUMS

Lugansk gosudarstvennyy kraevedcheskiy muzej, [Lugansk State Regional Museum, a gudoj Lugansk gosudarstvennyy kraevedcheskiy muzej, putyevoditel'] [Lugansk] Donetskoe knizhnoe izd-vo, 1963, 133 p. (MII)

## LUGANSK—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Introducing modern technology and tools at the Parkhomenko Plant in Lugansk. N. I. Vukalov, Tekhn. i org. protzv. no. 6 17-19 N-D '66

## LUGANSK PROVINCE—AGRICULTURAL MACHINERY—TECHNOLOGICAL INNOVATIONS

Efficiency promoters of Lugansk Province. P. Erukh, Inform. biul. VDNKH no. 1 31 Ja '67

## LUGANSK PROVINCE—CITY PLANNING

Present and future of Lugansk Province. I. Gracheva, A. Egorov, Stroi. i arkht. 15 no. 1 26-33 Ja '67

## LUGANSK PROVINCE—INDUSTRIAL MANAGEMENT—CONGRESSES

At the economic conference. K. Khmelovskii, Fun. 55SR 41 no. 1 11-17 Ja '67

## LUGANSK PROVINCE—TREES—DISEASES AND PESTS

Causes of the desiccation of forests in Lugansk Province and measures for its control. S. I. Negrutski, Trud. KISKH 56 102-108 '66

## LUKOYANOV (GOR'KIY PROVINCE)—TEACHERS COLLEGES

We are training the future teachers. A. Kumanov, Nal. om. no. 2 12-15 F '67

## LUMBER

Distribution of all knots in the merchantable part of the full-length log of a Korean pine. F. T. Lurikov, Izv. vuzov, no. 3 11-17 Mi '60

Effect of vibration parameters on the process of dispersion and movement of tree stem bundles. Z. I. Kairinshin, Les. bum. i der. prom. no. 3 162-168 '66

## LUMBER—DRYING

(see also subdivision under Latvia)

Effect of radiant conductive drying on the strength of conifer wood. E. G. Melnikov, R. E. Simakovskii, Prom. Bel. 10 no. 1 56-57 Ja '67

Pelch, N. N., and Z. V. Borzenko, [Handbook on the drying of wood] Spravochnik po suške drevessiny. Izd. 2, 1961. 1 dop. Moskva, Lesnaya promyshl., 1966, 277 p.

## LUMBER—MEASUREMENT

Automatic pulse measuring volumeter for longitudinal section of lumber. A. V. Kiliukov, Izv. vuzov, no. 3 11-17 Mi '60

New methodology for studying statistical characteristics of saw logs. A. N. Iabotkov, Izv. vuzov, no. 3 11-17 Mi '60

## LUMBER—TRANSPORTATION

Handling short timber by flexible ties. M. M. Vakhushchev, Les. bum. i der. prom. no. 3 107-112 '66

Effect of hydraulic shock absorbers on the evenness of the T-80 logging motor truck. A. M. Zhigalov, Izv. vuzov, no. 3 11-17 Mi '60

Improving the design of lumber tractor teams. A. V. Zhukov, Prom. Bel. 10 no. 1 51-52 Ja '67

Optimal power of a skidding tractor for mountain forest exploitation. N. N. Litvinchuk, Les. bum. i der. prom. no. 3 168-177 '66

Optimal sizes of riparian log dumps with free floating drive of lumber. V. S. Sarhin, Les. bum. i der. prom. no. 3 177-188 '66

Quality of stacking logs in collectors. A. P. Mazurenko, Izv. vuzov, no. 3 11-17 Mi '60

Strength of the ties of log bundles during their unloading in water. B. N. Selin, Les. bum. i der. prom. no. 3 188-193 '66

## LUMBERING

(see also subdivision under Bulgaria, Karelia; Svalbard region, Ukraine; Ukraine)

Improving the methodology of current planning of forestry production in combined lumbering and forest management. I. A. Gurevich and others. Sbornik, nauch. i issl. rab. po les. khoz. no. 6 26-38 '63

Orientation of curved logs on two supports. I. N. Gukalov, Les. bum. i der. prom. no. 3 125-131 '66

[Practice in introducing "Druzhba" gasoline-motor driven saws in lumbering work] Opyt vnedreniya na lesozagotovkakh benzinomotornykh pil "Druzhba." [Leningrad] Mirovnoy promyshlennosti RSFSR. Tsentral'noye biuro tekhn. informatsii [1957] 33 p.

(OrCS)

Single-element mechanisms for feeding automatic lines with large resolution capacity. I. V. Botin, Les. bum. i der. prom. no. 3 91-98 '66

Studying the speed systems of the conveyors of automated bucking installations. N. A. Gutsel'uk, P. V. Lastochkin, Les. bum. i der. prom. no. 3 134-138 '66

Studying unsteady dynamic processes in conveyors with two-speed drive. N. A. Gutsel'uk, P. V. Lastochkin, Les. bum. i der. prom. no. 3 138-145 '66

Ways for increasing the output of merchantable lumber in oak coppice wood during forest reproduction cuttings. A. I. Kondrashin, Trudy Ser. sel'khoz. inst. 15 no. 3 18-22 '65

## LUMBERING—COSTS

Cost is the most important criterion. A. Tal'kov, Prom. khoz. no. 2 85-86 F '67

LUMBERING—LABOR PRODUCTIVITY see subdivision under Khvastovichi region (Kaluga Province)

## LUMBERING—MACHINERY

(see also subdivision under Carpathian Mountain region)  
Full load to timber skidding tractors. P. P. Vasylyev, Les. bum. i der. prom. no. 1 7 Ja-F '67

## LUMBERING—MANAGEMENT

The new standards in the staffing in the lumbering industry of the R. S. F. S. R. F. Fokidovskii, Fin. 55SR 40 no. 12 56-68 D '66

## LUMBERING—SAFETY MEASURES

Industrial traumatism and organization of traumatological service in lumber industry. L. I. Panomarev, Sov. med. 29 no. 11 128-131 N '66

## LUMBERING—STATISTICS

Use of the correlation method in determining the profitability level of lumbering enterprises. N. I. Kot'rev, Les. bum. i der. prom. no. 3 193-198 '66

## LUMBERMEN see subdivision under Ustutsk Province

## LUMINESCENCE

Appearance of luminescence during adsorption of vapors and gases on solids. I. U. Rukov, A. A. Kidashin, S. Z. Roginskii, Dokl. AN SSSR 171 no. 4 905-906 D '66

Chemoluminescence inhibition by blood plasma in case of a malignant growth. A. L. Zakarian, B. N. Tarusov, Biofizika 11 no. 5 919-921 '66

Effect of chemical composition of system on quenching of chemiluminescence by oxygen. V. A. Belakov, T. N. B. Khovsina, R. V. Vasil'ev, Zhur. prikl. spekt. 5 no. 5 630-634 N '66

Effect of heat treatment on gallium arsenide photoluminescence. Zh. I. Alferov, D. Z. Gaiyazov, P. P. Morozov, Fiz. tverd. tela 8 no. 11 3236-3240 N '66

Energy and kinetic parameters of impurity nitrogen in silicon carbide crystals. I. S. Gorbunov, A. I. Gumenyuk, I. U. M. Suleimanov, Fiz. tverd. tela 8 no. 11 3424-3426 N '66

Giant pulses of superluminescence. V. S. Zucov, V. S. Letochkov, I. U. M. Suleimanov, Fiz. tverd. tela 8 no. 11 3424-3426 N '66

Low-temperature luminescence of silicon carbide crystals. I. S. Gorbunov, G. N. Vishnovskii, I. U. M. Suleimanov, Zhur. prikl. spekt. 5 no. 5 611-620 N '66

Luminescence damping in various parts of luminescence spectra of molecules in viscous solutions. N. G. Bolshakov, I. U. M. Suleimanov, I. V. Piterakii, Opt. i spekt. 21 no. 5 550-551 N '66

Nature of photoluminescence of anthraquinone dyes in alcohol solutions. S. M. El'menkov, B. A. Dain, Dokl. AN SSSR 167 no. 2 380-383 Mi '66

Optical properties of platinumocyanide compounds. Part 5. Luminescence of solutions frozen in porous glasses. N. A. Tolstol, A. M. Tkachuk, Opt. i spekt. 21 no. 5 555-563 N '66

Relationship between chemiluminescent reaction and decomposition of hydrogen peroxide in the system luminol-copper (II)-hydrogen peroxide. A. K. Babko, I. I. Dubovenko, Zhur. neorg. khim. 12 no. 1 174-183 Ja '67

Studying luminescence spectra and quantum yield of deoxyribonucleic acid in solution. V. I. Prasad, S. N. Chetankovich, V. T. Andrianov, Zhur. prikl. spekt. 5 no. 5 621-621 N '66

Temperature dependencies of  $\alpha$ - and  $\gamma$ -scintillation yield for Ca(Tl), Cs(In), Na(Tl), and Li(En) crystals. L. E. Grudskina and others. Zhur. prikl. spekt. 5 no. 5 655-659 N '66

Terbium-sensitized luminescence of europium in complex compounds. N. S. Polukhtov and others. Zhur. prikl. spekt. 5 no. 5 625-629 N '66

Use of photoluminescence in solving some problems of pyrite genesis. P. I. A. Ioshe, I. U. M. Suleimanov, min. obzr. 95 no. 6 748-755 '66

## LUMINESCENT SUBSTANCES

Effective routes for luminescent flaw detection. L. Maikes, Defektoskopiya 2 no. 6 58 '66

## LUMINOUS PAINT see Paint, Luminous

## LUNACHARSKII, ANATOLII VASIL'EVICH, 1875-1933

Ekslinin, P. P. [Significance of A. V. Lunacharskii in the development of Marxist-Leninist aesthetics during the Soviet period, 1917-1933. Author's abstract of Philosophical Sciences] Rol' A. V. Lunacharskogo v razvitiy marksistko-leninskoi estetiki sovetskogo perioda (1917-1933 gg.) Avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata filosofskikh nauk. Moskva, Mysl', 1965, 15 p.

[MICROFILM]  
A great and noble profession. G. Okul, Semia i shkola 22 no. 1 30-31 Ja '67

## LUNAR PROBES

Automatic station "Luna-13" has transmitted new photographs of the lunar panorama. Av. i kosm. no. 1 6-7 Ja '67

News about the moon. Av. i kosm. no. 2 50-51 F '67

Panorama tells. Av. i kosm. no. 1 164-166 Ja '67

## LUNGS

Effect of the Chukhuryud mountain climate on the functional state of the lungs. Sh. M. Casanov, Sbornik, Azerb. nauch. i issl. inst. kur. i fiz. metod. lech. no. 6 73-78 '62

Lung volumes in temporary residents of high altitude areas. K. I. Akhmedov, Bfsl. eksp. biol. i med. 63 no. 1 18-21 Ja '67



## MACHINE TOOLS (Continued)

- Investigating dynamic and vibration-damping characteristics of foundation plates for mounting precision machine tools. V. A. Chibrikov. Stan i instr. 37 no. 12 8-11 D '66.
- Machine tool unit made of standard elements and automatic blue. V. P. Kravchuk. Tekh i org. prot. v. no. 6 26-30 N-D '66.
- New machine tools. Stan i instr. 37 no. 12 10-11 D '66.
- New machine tools. Stan i instr. 38 no. 1-14-45 Ja '67.

## MACHINE TOOLS—ATTACHMENTS

- Attachments for finishing surfaces of die-casting molds. I. Sh. Bismozavil. I. Z. Postolovskii. Mashinostroitel' no. 138 Ja '67.
- Basic trends in the standardization of machine-tool attachments. A. M. Murashov. Stand i kach. 30 no. 9 11-17 S '66.
- Charts of multiple attachments. B. I. Koyan. Stand i kach. 30 no. 9 9-10 S '66.
- Economic substantiation of the selection of machine-tool attachments. N. P. Lomov. Stan i instr. 38 no. 1 19-21 Ja '67.
- Standard structural charts for the unification of machine-tool attachments. A. M. Murashov. Stand i kach. 30 no. 9 11-23 S '66.
- Technological devices increasing the precision and productivity of machining parts. S. V. Seigev, L. G. Golod. Vest mashinosti. 47 no. 1 18-49 Ja '67.
- Universal clamp with locking catch. V. V. Lishin. Mashinostroitel' no. 1 20 Ja '67.
- Universal dividing head with a pneumatic clamp. L. A. Shubert. Mashinostroitel' no. 1 106-109 '66.

## MACHINE TOOLS—DESIGN AND CONSTRUCTION

- Mounting machine tools without foundations. T. I. Shalabov. Tekh i org. prot. v. no. 6 89-91 N-D '66.

## MACHINE TOOLS—ELECTRIC DRIVING

- Using magnetic amplifiers for controlling asynchronous short-circuited motors for machine-tool drives. V. A. Lukin, O. N. Pavlovich, I. P. Petrov. Stan i instr. 47 no. 12 12-15 D '66.

## MACHINE TOOLS—MAINTENANCE AND REPAIR

- Determining maintenance periods considering actual loading of a machine tool. V. I. Rozenberg. Stan i instr. 38 no. 1 11-12 Ja '67.

## MACHINE TOOLS—NUMERICAL CONTROL

- Analysis of unevenness or stage supply using parabolic automatic interpolators. B. V. Antelmov, I. U. M. Dovzhenko. Vych. tekhn. [MVU] no. 5 225-232 '66.
- Concealing one method for programming second-order curves. M. H. Ignatov. Shor. izb. po vop. elektroniki no. 1 210-251 '66.
- Organization of computational process by automatic program preparation for numerically controlled machine tools. T. I. Abramova. Vych. tekhn. [MVU] no. 5 217-257 '66.
- Preparation of information for machine tools with numerical control. T. I. Abramova. Vych. tekhn. [MVU] no. 5 213-211 '66.
- Use of revolving transformers as feedback transducers in program control systems. V. F. Gerasimov, A. M. Savinov. Vych. tekhn. [MVU] no. 5 250-273 '66.

## MACHINE TOOLS—PNEUMATIC DRIVING

- Pneumatic device for the bending of parts. Inform. bliz. VDNKH no. 114 Ja '67.

## MACHINE TOOLS—VIBRATION

- Calculating vibrations of carrying systems of machine tools under the action of pulsed disturbances. V. V. Kozminskii. Stan i instr. 37 no. 12 1-8 D '66.
- The G11-31 vibration absorbing supports for machine tools. I. I. Rabin. V. A. Ignatov. Mashinostroitel' no. 1 13-15 Ja '67.

## MACHINE-TRACTOR STATIONS

- History of the organization of the first machine-tractor station. L. A. Ibrakov. Vop. lat. KPSS II no. 2 68-75 I '67.

## MACHINERY

- Devices for track maintenance. I. A. Tsvilin. Pat i put. izobr. 10 no. 9 45 '66.
- [Technological handbook] Tehniska rokasgramata, Riga, Latvijas Valsts Izdevnieciba [in Latvian]. Pt. 2. Sastadjuat Latvijas Valsts Universitates mehanikas fakultates macibu speki. Radzija V. Ivanovskis. 1967. 223 p.

## MACHINERY—ABSTRACTS

- [Technology of machinery manufacture] Ref. zhur.: Tekh. mashinostro. nos. 1-2 Ja-F '67.

## MACHINERY—DESIGN AND CONSTRUCTION

- Industry-wide conference on power machinery construction. N. G. Bulanov. Energomashinostroyeniye 6 no. 10 35-36 O '66.
- Notes on the design of machines. V. P. Trushkin. Shkola i protzv. 10 no. 10 81-81 O '66.
- Requirements of inspection, reception, and approval of design documentation. I. P. Markov, V. P. Fedulov. Stand i kach. 30 no. 11 13 N '66.
- Selecting names of machine and instrument parts for design documentation. M. P. Rabinovich. Stand i kach. 30 no. 11 8-12 N '66.

- Some problems of business accounting in research and designing organizations. I. K. Strichovskii. Vest LGU 21 no. 23 32-40 '66.
- Standardization of design stages. I. U. Stepanov, A. I. Vaksman. Stand i kach. 30 no. 11 14-15 N '66.
- Unified system of design documentation. I. U. S. Kostylev. Stand i kach. 30 no. 11 6-8 N '66.

## MACHINERY—DRAWINGS

- Masloboev, G. Ia. [Execution of assembly drawings in the machinery industry] Vypolnenie sborochnykh chertezhei v mashinostroyeni. Moskva, Vysshaya shkola, 1965. 50 p.

[MICROFILM]

## MACHINERY—FOUNDATIONS

- Method of determining depth for embedding anchor bolts for foundations under machinery. I. A. Kozlov. Sbor. NIION no. 56 195-216 '66.

## MACHINERY—MAINTENANCE AND REPAIR

(see also subdivision under Kazakhstan)

- The PUHM mobile repair shops. V. I. Mitronov. Bliz. tekhn. inform. Gos. nauch. issled. inst. nauch. tekhn. inform. 19 no. 1 50-51 N '66.

## MACHINERY—PAINTING

- Automatic line for the preparation and painting of assembled complex profile units at the Moscow Hydraulic Machinery Plant. V. N. Puzrev. Lakokras. inst. i kkh. prot. no. 6 59-62 '66.

- Overall mechanization of the painting of forged and welded parts in continuous large-scale production. G. B. Lukomovich. Lakokras. inst. i kkh. prot. no. 6 66-67 '66.

## MACHINERY—RELIABILITY

- Determining the durability of machinery. N. M. Mikhailovskii. Vest mashinostro. 47 no. 1 10-11 Ja '67.

## MACHINERY—STANDARDS

- Quality and quantity. V. S. Zamiatin. Shkola i protzv. 10 no. 10 79-81 O '66.

## MACHINERY, AUTOMATIC

- Effectiveness of automatic lines in machinery manufacturing. L. I. Han'shyna, M. M. Shatohina, K. M. Shchalko. Vest AN USSR. Ser. hram. nav. no. 4 18-24 '66.

## MACHINERY, AUTOMATIC—DYNAMICS

- Experimental investigation of the dynamics of automatic machines. I. L. Artobolevskii, E. G. Nakhapetian, N. P. Rastviki. Mashinostroyeniye no. 15-17 Ja-F '67.

## MACHINERY, AUTOMATIC—TRANSMISSION DEVICES

- Study of the mechanical characteristics of the transmission mechanisms of automatic machines. S. P. Alekandrov, I. I. Kopustin, R. R. Kazarian. Izv. vyz. ucheb. zav. tekhn. leg. prom. no. 6 123-137 '66.

## MACHINERY, KINEMATICS OF

- Kinematics of one-roller bit with spherical rollers: as a topic for discussion. V. V. Simonov and others. Neft khoz. 14 no. 12 15-20 '66.

## MACHINERY IN INDUSTRY

- Optimal rates of introducing the new equipment. L. Veger. Vop. ekon. no. 1 117-121 Ja '67.

## MACHINERY INDUSTRY

- (see also subdivision under: Debal'tsevo, Donetsk Province; Kharkov; Moldavia; Moscow; White Russia)
- Baronolds, Valdis. [Materials used in the machinery industry] Masinuve lietojamie materiali. Riga, Liesma, 1966. 90 p. (Jauna stradietika biblioteka) [in Latvian].
- Effectiveness of automatic lines in machinery manufacturing. L. I. Han'shyna, M. M. Shatohina, K. M. Shchalko. Vest AN USSR. Ser. hram. nav. no. 4 18-24 '66.
- Machinery manufacturing in the new five-year plan. V. I. Seigevich. Shkola i protzv. 10 no. 12 68-69 D '66.

## MACHINERY INDUSTRY—ACCOUNTING

(see subdivision under Leningrad)

## MACHINERY INDUSTRY—AUDITING AND INSPECTION

- Practice in organizing comprehensive audits in enterprises. P. Voronin. Bukh. uch. no. 12 43-45 D '66.

## MACHINERY INDUSTRY—COSTS

- Use of the Monte Carlo Method for rationalizing the measurement of expenditures in machinery manufacturing. M. I. Mintz. Ekon. i mat. metod. 3 no. 1 77-82 Ja-F '67.

## MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

(see subdivision under Lugansk; Odessa)

## MACHINERY INDUSTRY—EXHIBITIONS

- Standard and guiding materials on general machinery manufacture. M. Bluvshstein. Inform. bliz. VDNKH no. 12 8-10 D '66.

## MACHINERY INDUSTRY—FINANCE

(see subdivision under Kazakhstan)

## MACHINERY INDUSTRY—MANAGEMENT

- (see also subdivision under: Armenia; Dnepropetrovsk; Donetsk Basin; Elektrostal'; Moscow Province; Kazakhstan; Kirovograd; Kramatorsk; Leningrad; Siberia; Sverdlovsk; Ust'-Kamunogorsk)

- First results. Creation of a branch system for the introduction of scientific labor organization. H. Baibuzenko. Sots. trud. 12 no. 2 71-75 I '67.

- Komarova, N. [Improvement of working areas in the machinery industry, a survey] Sovrshenstvovanie rabochikh mest v mashinostroyeni, obzor. Riga, Latvialskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 41 p. (Nauchnaia organizatsiia truda)

- Niedrile, V. [Scientific organization of labor in the repair shops of machinery manufacturing enterprises] Nauchnaia organizatsiia truda v remonno-mekhanicheskikh i tekhnicheskikh mashinostroyel'nykh predpriyatiakh. Riga, Latvialskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966. 29 p. (Nauchnaia organizatsiia truda)

- Objectives of the machinery industry in the second year of the five-year plan. A. K. Vinogradov. Vest mashinostro. 47 no. 1 5-8 Ja '67.

- Our economic. M. M. Vasil'ev. Stand i kach. 30 no. 9 7-11 S '66.

- Scientific organization of work is a great hidden potential of the new five-year plan. A. P. Maslov. Shkola i protzv. 10 no. 12 70-71 D '66.

## MACHINERY INDUSTRY—PRODUCTION STANDARDS

(see also subdivision under Chitkent)

- Consolidated work norms in the manufacture of paper-making equipment and the organization of piece determination. R. S. Volovich, I. I. P. diash, H. N. Volkson. Bumagodel' mash. no. 13 14-26 '63.

- Rhythmization of multiple machine tool processes in the machinery industry. A. Spakh. Sots. trud. 12 no. 1 97-103 Ja '67.

## MACHINERY INDUSTRY—QUALITY CONTROL

- Awarding bonuses for machinery industry workers for improving production quality. B. V. Kapitonov, V. P. Drozdova. Stand i kach. 30 no. 11 71-73 N '66.

## MACHINERY INDUSTRY—RESEARCH

- Tiamshanskii, N. D. [Economics and the organization of research work in machinery manufacturing] Ekonomika i organizatsiia nauchno-issledovatel'skikh rabot v mashinostroyeni. Leningrad, Mashinostroyeniye, 1967. 194 p.

## MACHINERY INDUSTRY—SCHEDULING

(see subdivision under Leningrad)

## MACHINERY INDUSTRY—STANDARDS

(see also subdivision under Altai Territory)

- Standards for the machinery industry. Stan i instr. 37 no. 12 insert 241-249 D '66.
- Standards for the machinery industry. Stan i instr. 38 no. 1 244-249 Ja '67.
- Urgent objectives. I. U. S. Kostylev. Stand i kach. 30 no. 9 1-2 S '66.

## MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

(see subdivision under Tashkent; White Russia)

## MACROMOLECULAR COMPOUNDS

- Study of ternary complexes formed in the interaction of dithiocarbones with aromatic hydrocarbons. V. I. Garmov, V. N. Sokolov, I. L. Luk'yanov. Dokl. AN USSR 171 no. 4 867-868 D '66.

## MACROPHAGES

- Significance of a short presence of Staphylococcus aureus within macrophages for its sensitivity to antibiotics. V. N. Solov'ev, E. P. Pavlov, M. A. Vagina. Antibiotiki 12 no. 1 51-54 Ja '67.

## MAGADAN PROVINCE—FOREST INSECTS

- [Forest entomofauna of the Kuril Islands, Kamchatka Peninsula and Magadan Province] Entomofauna lesov Kuril'skikh ostrovov, poluostrova Kamchatki, Magadanskoi oblasti. Moskva, Nauka, 1966. 137 p.

## MAGNETITE—MAGNETIC PROPERTIES

- Some magnetic characteristics of magnetite. V. I. Bagin. Izv. AN SSSR. Fiz. zem. no. 12 77-81 '66.

## MAGID, MIKHAIL IOSIFOVICH, 1895-

- 70th birthday of M. I. Magid. Kozh.-obuv. prom. 8 no. 1 35 N '66.

## MAGMA

- Amount of juvenile water isolating during the formation of effusive rocks. O. N. Tolstikhin. Geokhimiya no. 11 1005-1008 '61.
- Concerning the generation mechanism of basic magmas. I. U. M. Shetmann. Bliz. MOIP. Old. geol. 36 no. 3 136-139 My-Je '61.
- Pressure inside satellite magma chambers: an example of the Cape Pink intrusion, Crimean Mountains. I. U. P. Orlovskii. Geofiz. shor. no. 17 66-80 '66.

## MAGNESIA

- Using the soda method for obtaining burnt magnesia for rubber compounds from natural brines. S. I. Avorovskii, M. M. Shimonova. Trudy GIPKH no. 47 19-26 '62.



## MAGNETO-OPTICAL EFFECT

Dielectric optical measurements as a source of information about electron structure of paramagnetic crystal. L. A. Vlasovskaya, G. A. Bolotin, M. M. Novikov. Fiz. met. i metalloved. 22 no. 6:688-692 D '68

## MAGNETO-OPTICS

Magneto-optical modulation of infrared radiation from a gas laser. M. V. Chetkin, V. S. Solomatina. Fiz. tsvet. liza 8 no. 11:1388-1390 N '66

## MAGNETOELECTRIC MACHINES—DESIGN AND CONSTRUCTION

Certain problems in the dynamics of vibrating machines with electrodynamic vibration. B. I. Kravkov, V. I. Leskevich. Gos. elektromekhanizm 1 no. 1:111-159 '65

## MAGNETOHYDRODYNAMIC GENERATORS

Prospects for magnetohydrodynamic ship propulsion. A. P. Il'inskiy. Sudostroyeniye 56 no. 12:3-6 D '66

## MAGNETOHYDRODYNAMICS

Evolutional character of oblique shock waves in magnetohydrodynamics. K. P. Cherkasova. Ukr. fiz. zhur. 11 no. 12:1492-1496 D '66

Jaegers, Richards, and Janis Polmanis. [Magneto-hydrodynamics and technology] Magnetohtdrodinamika un tehnika. Riga, Idema, 1968, 72 p. [in Latvian]

Magnetohydrodynamic method of electric power production. A. P. Salkov. Teploenergetika 7 no. 8:85-87 Ag '60

Stability of transverse oscillations in the quasi-uniform flow of a conducting gas. T. V. Atliushkov. Teplofiz. i yz. temp. 1 no. 6:174-185 N '66

Steady-state convection in the presence of an external magnetic field. I. P. Ivanov, G. N. Yakovlev. Prikl. mat. mekh. 30 no. 6:1110-1116 N-D '66

Variational principle in magnetohydrodynamics. R. V. Polovin, I. O. Akhiezer. Ukr. fiz. zhur. 1 no. 5: 677-679 S-O '60

## MAGNETOHYDRODYNAMICS—INDUSTRIAL APPLICATIONS

Veselov, I. V., and A. V. Egilina. [Ushig magnetohydrodynamic floating pump in conveying liquid zinc] Transport zhidkogo tsveta pri pomoshchi magnetogidrodinamicheskogo zasosa zhivushchego tipa. Riga, Latvinskii tsentr, nauchno-tekhn. in-t, 1968, 28 p. (Istok tekhnicheskoi informatsii, Mashinostroyeniye i prikladnaya fizika)

## MAGNETOMETER

Sensitive ferromagnetic probe magnetometer. M. A. Videnov and others. Defektoskopiya 2 no. 6:66-69 '66

## MAGNETORESISTANCE

Characteristics of transverse magnetoresistance of gadolinium single crystals. N. V. Volkenshtein, V. P. Dakhov, P. A. V. red. Zhur. eksp. i teoret. fiz. 4 no. 10: 696-100 N '66

Magnetoresistance oscillations of tellurium. D. V. Mashov, S. S. Shalyt. Prikl. fiz. i tekhn. zhur. eksp. i teoret. fiz. 1 no. 6:162-164 N '66

## MAGNETOSTRICTION

Magnetostriiction of ferrioxalate. M. S. Borovik, A. P. Dykyl, H. O. Mamalik. Ukr. fiz. zhur. 11 no. 12:1941-1943 D '66

Magnetostriiction of rare earth gallate-garnets. K. P. Bilov, V. I. Sokolov. Prikl. fiz. i tekhn. zhur. eksp. i teoret. fiz. 4 no. 5:186-189 S '66

Temperature studies of the magnetostriiction of the FeCo alloy. K. K. Bogdanov, V. V. Zubov. Izv. vuz. ucheb. zav. i fiz. 0 no. 6:145-147 '66

## MAGNETS

Elementary physics of permanent magnets. M. A. Grabovskii. Vech. mekh. shkola 0 no. 3:53-58 My-Je '66

Magnets from powdered metal ceramic using the products of mechanical treatment of cast permanent magnets. A. I. Potchukha, V. I. Stollak, I. V. ych. ucheb. zav. i tekt. mekh. 0 no. 12:114-117 '66

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Studying the 2300 continuous hot rolling sheet mill of Magnitogorsk Metallurgical Combine with a view to determining parameters for the system of automatic thickness regulation. V. M. Baidin, D. A. Molgachev, R. A. Prubnikov. Sbor. trud. TSNICHM no. 44:15-31 '66

## MAGNETOGORSK—ROLLING MILLS—DESIGN AND CONSTRUCTION

Developing and adopting a pilot plant model of dynamometer with inductive transducer on the 2350 medium-thickness sheet mill of the Magnitogorsk Metallurgical Combine. V. G. Gouval'd and others. Sbor. trud. TSNICHM no. 44:124-130 '66

## MAHMUD IBN AL-HUSAIN, al-Kashgharī, 11th cent.

Thematic terminology in Mahmud al-Kashgharī's dictionary "Diwan lughat al-Turk." T. A. Borovikova. Izv. AN SSSR, Ser. lit. i iz. 25 no. 6:528-531 N-D '66

## MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930

Characteristics of the reading of verse by V. V. Maiakovskii. T. D. Dmitrieva. Nach. shkola 35 no. 2:21-24 I '67

More about V. Maiakovskii's book "Maiakovskii's works." L. Lazarev. Nov. izd. 38 no. 10:210-213 O '62

Vladimir Maiakovskii's "Left march" in Poland. Florian Nowakowski. Nauch. dokl. vuz. shkol, filol. nauki 5 no. 1:151-157 '62

## MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930—TRANSLATIONS, UZBEK

Maia, M. M. [Maiakovskii's poetry in Uzbekistan] Poeziya Maiakovskogo v Uzbekistane. Tashkent, "Nauka" UzSSR, 1965, 157 p.

## MAISKII, IVAN NIKHAILOVICH, 1884-

First steps of an ambassador from revolutions. I. M. Malskin. Nov. izd. 38 no. 10:111-163 O '62

## MAIZE see Corn (Maize)

## MAKHACHKALA—FISH, CANNED

Change in the construction of sealing needle of the "Nagema" paste canning machine. M. N. Gilev, Kh. D. Dzhalalov. Ryb. prom. 55:95-16 '60

## MAKHACHKALA—DISTRIBUTIVE EDUCATION

In a commercial school. K. Pavliskala. Sov. tolg. 10 no. 2:55-56 F '67

## MAKHARADZE DISTRICT—WAGES—COLLECTIVE FARMS

Material self interest of collective farmers is a guarantee of the development of a communal economy. F. K. Zakariya. Trudy Inst. GU 112:123-131 '65

## MALEIC ANHYDRIDE

Kinetics of structural isomerization of the adduct of reaction of 5-methylcyclopentadiene with maleic anhydride. V. A. Mitomov and others. Izv. AN SSSR, Ser. khim. no. 12:2213-2215 '66

## MALI—COMMERCE

Government and private sector in the economy of Mali. N. Kovigina. Mir. ekon. i mezhdunar. otn. no. 1:127-132 '67

## MALI—EDUCATION

Short reports. Nar. obr. no. 1:101 Ja '67

## MALI—GOVERNMENT OWNERSHIP

Government and private sector in the economy of Mali. N. Kovigina. Mir. ekon. i mezhdunar. otn. no. 1:127-132 '67

## MALICIOUS PROSECUTION

Who spoke the truth? (To be concluded). V. Kuteinikov. Sov. iust. 31 no. 3:24-25 I '67

## MALONAMIDE

Complex formation of malonic acid diamide with nitrophenols. B. V. Titov, A. P. Trakeneite, V. D. Goltshev. Trudy IGU 185:11-16 '65

## MALTA—MILITARY BASES, AMERICAN

Another American base? M. Vladimirov. Mezhdunar. zhurn. 14 no. 2:135-136 '67

## MAMMALS—EMBRYOLOGY see Embryology—Mammals

## MAMMARY GLANDS

Participation of the thyroid gland in regulation of relationship between secretory activity of stomach and mammary gland in lactating animals. K. T. Tashenov, R. M. Trufimova. Trudy Inst. fiziol. AN Kazakh SSR 10:133-147 '66

## MAMMARY GLANDS—BIOPSY

Use of the biopsy method in the study of blood capillaries of the mammary gland. A. V. Gostev. Buil. eksp. biol. i med. 63 no. 1:103-105 Ja '67

## MAMMARY GLANDS—INNERVATION

Academy of Sciences USSR, Institut fiziologii. [Neurohormonal regulation of lactation] Neurogormonal'naya regulatsiya laktatsii. Moskva, Nauka, 1966, 234 p.

Mechanism of reflex effect from mammary gland on secretion of bile and pancreatic juice in animals. K. T. Tashenov, Sh. D. Simbinov, F. Ia. Kusebaeva. Trudy Inst. fiziol. AN Kazakh SSR 10:126-132 '66

Role of compensatory processes in the regulation of secretory activity of a denervated mammary gland in goats. G. B. Tverskoi. Fiziol. zhur. 52 no. 11:1368-1373 N '66

Role of hormones in the regulation of correlations between the mammary gland and the genital system. V. V. Uzbekov. Fiziol. zhur. 52 no. 12:1476-1480 D '66

## MAN—INFLUENCE OF ENVIRONMENT

Borisovskii, G. B. [Man as the measure of things] Chelovek - mera veshchei. Moskva, Iskustvo, 1966, 140 p.

Drozdov, A. V. [Man and social relations] Chelovek i obshchestvennoye otosheniye. [Leningrad] Izd-vo Leningr. univ., 1968, 122 p.

Pilatov, P. N. [Steppes of the U.S.S.R. as a factor in the material life of society, on the relationship between nature and man] Stepi SSSR kak uslovie material'noi zhizni obshchestva, k probleme - priroda i chelovek. [Aroslav] [Verkhne-Volzhskoe knizhnoe izd-vo] 1966, 285 p.

## MAN—INFLUENCE ON NATURE

Pilatov, P. N. [Steppes of the U.S.S.R. as a factor in the material life of society, on the relationship between nature and man] Stepi SSSR kak uslovie material'noi zhizni obshchestva, k probleme - priroda i chelovek. [Aroslav] [Verkhne-Volzhskoe knizhnoe izd-vo] 1966, 285 p.

## MANCHUS

[Manchu rule in China] Manchzhurskoe vladychestvo v Kitae. Moskva, Nauka, 1966, 385 p.

## MANDRELS AND ARBORS see Arbors and mandrels

## MANGANATES

Electrochemical oxidation of the manganate ion to permanganate. M. N. Machulkin and others. Trudy GIKPI no. 17:81-92 '62

## MANGANESE

Studying the titration kinetics of metallic manganese. I. B. Baratshevskii, V. M. Beizhiani. Soob. AN Gruz. SSR 27 no. 3:162-172 Ag '61

## MANGANESE—PHYSIOLOGICAL EFFECT

Effect of manganese on secretory activity of parathyroid gland in sheep. M. A. Rozybaev. Trudy Inst. fiziol. AN Kazakh SSR 10:85-89 '66

## MANGANESE CARBONYL

Hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl manganese tricarbonyls in acid media. A. N. Nesmetanov and others. Izv. AN SSSR Ser. khim. no. 1:30-33 Ja '67

## MANGANESE-LIQUID-SILICON ALLOYS see Liquid-silicon-manganese alloys

## MANGANESE ORES see subdivision under Kazakhstan

## MANGANESE OXIDES

Characteristics of paraffin oxidation by air with the addition of active manganese dioxide. A. A. Perchenko. Maal. zhil. prom. 32 no. 10:26-27 O '66

Effect of freezing on sorption characteristics of iron hydroxide and manganese dioxide. V. V. Volkhin, V. L. Zolotarev. Zhur. prikl. khim. 34 no. 6:1218-1225 Jc '61

Removal of hydrogen sulfide from gas in the "boiling layer" of manganese slime. A. Buchukui. V. Chagunova. Soob. AN Gruz. SSR 26 no. 6:559-561 Je '61

## MANGANESE SALTS

Chemism of interaction of peroxide radical with manganese stearate. V. M. Gol'dberg, L. K. Obukhova. Izv. AN SSSR, Ser. khim. no. 12:2217-2218 '66

## MANGANESE STEEL

Machining high-manganese steel G13L. S. N. Pilonenko, N. S. Molodtsov. Tekh. i org. proizvod. no. 6:38-10 N-D '66

## MANGYSH LAK PENINSULA

Mangyshlak is a fierce island. S. Smorodkin. Mol. komm. no. 4:63-66 '66

## MANGYSH LAK PENINSULA—AMMONOIDEA

Karamaltes, a new genus of ammonites from Viazon sediments in the eastern Mangyshlak Peninsula. M. I. Sokolov. Buil. MOIP, Old. geol. 36 no. 5:152 S-O '61

## MANGYSH LAK PENINSULA—BORING

A lot depends on petroleum prospectors. A. Kuvanyshiev. Nar. khoz. Kazakh 24 no. 12:74-76 D '66

## MANGYSH LAK PENINSULA—CLAY

Fresh water clays for drilling muds in Mangyshlak Peninsula. N. Perfilov, N. Nabokov, Neftianik 11 no. 8:25 Ag '66

## MANGYSH LAK PENINSULA—DRILLING MUDS

Fresh water clays for drilling muds in Mangyshlak Peninsula. N. Perfilov, N. Nabokov, Neftianik 11 no. 8:25 Ag '66

## MANGYSH LAK PENINSULA—GAS, NATURAL—GEOLOGY

Analysis of geologic development of Zhetysay and Uzen' oil- and gas-bearing structures (southern Mangyshlak). V. A. Benenson, K. K. Tumarev. Geol. nefi i gaz 10 no. 12:35-37 D '66

## MANGYSH LAK PENINSULA—MINERALOGY, DETERMINATIVE

Mineralogical composition of the rocks of the Kara-Tau complex in the Mangyshlak Peninsula. B. A. Korzhenevskii. Buil. MOIP, Old. geol. 36 no. 3:106-110 My-Je '61





## MAGNETO-OPTICAL EFFECT

Magneto-optical measurements as source of information about electron structure of ferromagnetic nickel L. A. Afanas'eva, G. A. Bolotin, M. A. Noskov Fiz. met. i metalloved. 22 no. 6:628-632 D '66

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Magneto-optical modulation of infrared radiation from a gas laser M. V. Chetkin, V. S. Solomatina, Fiz. tsvetl. B no. 11:3380-3390 N '66

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Current problems in the dynamics of vibrating machines with electromagnetically vibrators B. I. Kravkov, V. I. Leskevich Gid. elektromekh. i avtom. no. 114:150 '65

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Aspects for magnetohydrodynamic ship propulsion, A. P. Baranov, Sudostroyeniye 56 no. 12:3-6 D '66

## MAGNETOHYDRODYNAMICS

Qualitative character of oblique shock waves in magnetohydrodynamics K. P. Cherkasova, Ukr. fiz. zhur. II no. 12:1302-1306 D '66

Krisberg, Rihads, and Janis Polmanis, [Magneto-hydrodynamics and technology] Magnetohtid odinamika un tehnika, Riga, Lieluma, 1968, 72 p. [In Latvian]

Magnetohydrodynamic method of electric power production A. P. Salikov, Tekhnologiya 7 no. 8:66-67 A '66

Stability of transverse oscillations in the quasi-uniform flow of a conducting gas, P. V. Aitshkov, Topofiz. i zh. temp. 4 no. 6:776-785 N-D '66

Steady-state convection in the presence of an external magnetic field IU P. Ivanlov, G. N. Iakovlev, Prikl. mat. i mekh. 30 no. 6:1110-1116 N-D '66

Variational principle in magnetohydrodynamics, R. V. Pavlov, I. O. Akhilezer, Ukr. fiz. zhur. 1 no. 6:677-678 S-O '66

## MAGNETOHYDRODYNAMICS—INDUSTRIAL APPLICATIONS

Veschev, I. V., and A. V. Fgiling, [Using magnetohydrodynamic floating pump in conveying liquid zinc] Transport zhidkogo tsinka pri pomoshchi magnitogidrodinamicheskogo masova plavushchego tipa, Riga, Latviskii respubl. nauchno-tekhn. in-t, 1966, 20 p. [Istok tekhnicheskoi informatsii Mashinostroeniya i priborostroyeniya]

## MAGNETOMETER

Sensitive ferromagnetic probe magnetometer, M. A. Videnev and others, Def. kionkopiya 2 no. 6:66-69 '66

## MAGNETORESISTANCE

Characterization of transverse magnetoresistance of gadolinium single crystals, N. V. Volkovskiy, V. P. Diankin, Fiz. i red. zhur. eksp. i teoret. fiz. 4 no. 10:300-100 N '66

Magnetoresistance oscillations of tellurium, D. V. Makhov, et al., S. S. Shalyt, Fiz. i red. zhur. eksp. i teoret. fiz. 1 no. 9:362-364 N '66

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Magnetostriiction of ferroplasma, II' S. Borovik, A. P. Dykyl, Ukr. O. Mamalut Ukr. fiz. zhur. II no. 12:1341-1344 D '66

Magnetostriiction of rare earth gallate-garnets, K. P. Belov, V. I. Sokolov, Fiz. i red. zhur. eksp. i teoret. fiz. 1 no. 5:188-188 S '66

Temperature studies of the magnetostriiction of the FeCo alloy, K. K. Hognia, V. V. Zubov, Izv. vyz. ucheb. zav., fiz. 9 no. 6:115-117 '66

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Magnets from powdered metal ceramic having the products of mechanical treatment of cast permanent magnets, A. I. Polubnyuk, V. E. Stollar, Izv. vyz. ucheb. zav., elektromekh. 8 no. 12:111-117 '66

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Studying the 2500 continuous hot rolling sheet mill of Magnitogorsk Metallurgical Combine with a view to determine parameters for the system of automatic thickness regulation, V. M. Burdlin, D. A. Molgachev, R. A. Tsubnikov, Sbor. nauch. TSNIICHIM no. 44:15-31 '66

## MAGNETOFORMING—ROLLING MILLS—DESIGN AND CONSTRUCTION

Developing and adopting a pilot plant model of dynamometer with inductive transducer on the 2350 medium-thickness sheet mill of the Magnitogorsk Metallurgical Combine, V. G. Grosval'd and others, Sbor. nauch. TSNIICHIM no. 44:124-130 '66

## MAHMUD IBN al-HUSAIN, al-Kashghari, 11th cent.

Phonetic terminology in Mahmud al-Kashghari's dictionary "Divan lughat al-Turk," T. A. Borovkova, Izv. AN SSSR, Ser. lit. i iaz. 25 no. 6:528-531 N-D '66

## MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930

Characteristics of the reading of verse by V. V. Maikovskii, E. D. Dmitrieva, Nach. shkola 35 no. 2:21-24 F '67

More about A. Maikovskii's book "Maikovskii's works" I. Lazarev, Izv. nau. 38 no. 10:240-245 O '62

Vladimir Maikovskii's "Left march" in Poland Florian Neuvachny, Nauch. dokl. vyz. shkoly, filol. nauki 5 no. 1:151-157 '62

## MAIAKOVSKII, VLADIMIR VLADIMIROVICH, 1894-1930—TRANSLATIONS, UZBEK

Rasul, M. M., [Maikovskii's poetry in Uzbekistan] Poetika Maikovskogo v Uzbekistane. Tashkent, "Nauka" UzSSR, 1965 157 p.

## MAISKII, IVAN MIKHAILOVICH, 1884-

First steps of an ambassador from collections I. V. Maiksil Nov. in. 38 no. 10:111-193 O '62

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Change in the construction of scaling needle of the "Nagema" paste canning machine, M. N. Gitor, Kh. D. Dzhirnov, Ryb. prom. 55:15-16 '60

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## MAKHARADZE DISTRICT—WAGES—COLLECTIVE FARMS

Material self-interest of collective farmers is a guarantee of the development of communal economy, P. K. Zakuridze, Trudy Tbil. GU II 12:13-134 '65

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Kinetics of structural isomerization of the adduct of reaction of 5-methylcyclopentadiene with maleic anhydride, V. A. Minonov and others, Izv. AN SSSR, Ser. khim. no. 12:2213-2215 '66

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Government and private sector in the economy of Mali, N. Kovilina, Mir. ekon. i mezhdunar. otn. no. 1:127-132 '67

## MALI—EDUCATION

Short reports, Nar. obr. no. 1:101 Ja '67

## MALI—GOVERNMENT OWNERSHIP

Government and private sector in the economy of Mali, N. Kovilina, Mir. ekon. i mezhdunar. otn. no. 1:127-132 '67

## MALICIOUS PROSECUTION

Who spoke the truth? (To be concluded), V. Kutelnikov Sov. iust. 31 no. 3:24-25 F '67

## MALONAMIDE

Complex formation of malonic acid diamide with nitrophenols, B. V. Titov, A. P. Izakhanite, V. D. Goltsov, Trudy IGU 185 II:16 '65

## MALTA—MILITARY BASES, AMERICAN

Another American base? M. Vladimirov, Mezhdunar. zhurn. 14 no. 2:135-136 '67

## MAMMALS—EMBRYOLOGY see Embryology—Mammals

## MAMMARY GLANDS

Participation of thyroid gland in regulation of relationship between secretory activity of stomach and mammary gland in lactating animals, K. T. Tashenov, R. M. Trofimova, Trudy Inst. fiziol. AN Kazakh SSR 10:133-137 '66

## MAMMARY GLANDS—BIOPSY

Use of the biopsy method in the study of blood capillaries of the mammary gland, A. V. Gosiev, Bul. eksp. biol. i med. 63 no. 1:103-105 Ja '67

## MAMMARY GLANDS—INNERVATION

Akademiya nauk SSSR, Institut fiziologii, [Neurohormonal regulation of lactation] Neuro-gormonal'naya regulatsiya laktatsii, Moskva, Nauka, 1966, 234 p.

Mechanism of reflex effect from mammary gland on secretion of bile and pancreatic juice in animals, K. T. Tashenov, Sh. D. Simblinov, F. I. A. Kusebaeva, Trudy Inst. fiziol. AN Kazakh SSR 10:125-132 '66

Role of compensatory processes in the regulation of secretory activity of a denervated mammary gland in goats, G. B. Tverakol, Fiziol. zhur. 52 no. 11:1368-1373 N '66

Role of hormones in the regulation of correlations between the mammary gland and the genital system, V. V. Uzbekov, Fiziol. zhur. 52 no. 12:1476-1480 D '65

## MAN—INFLUENCE OF ENVIRONMENT

Doritsovskii, G. B., [Man as the measure of things] Chelovek - mera veshchei, Moskva, Iskustvo, 1966, 149 p.

Drozov, A. V., [Man and social relations] Chelovek i obshchestvennye otnosheniya, [Leningrad] Izd-vo Leningr. univ., 1966, 122 p.

Pilatov, P. N., [Steppes of the U.S.S.R. as a factor in the material life of society, on the relationship between nature and man] Stepi SSSR kak usloviye material'nol zhizni obshchestva, k probleme - priroda i chelovek, Leningrad [Verkhne-Volzhskoe knizhnoe izd-vo] 1966, 285 p.

## MAN—INFLUENCE ON NATURE

Pilatov, P. N., [Steppes of the U.S.S.R. as a factor in the material life of society, on the relationship between nature and man] Stepi SSSR kak usloviye material'nol zhizni obshchestva, k probleme - priroda i chelovek, Leningrad [Verkhne-Volzhskoe knizhnoe izd-vo] 1966, 285 p.

## MANCHUS

[Manchu rule in China] Manchzhurskoe vladychestvo v Kitae Moskva, Nauka, 1966 385 p.

## MANDRELS AND ARBORS see Arbors and mandrels

## MANGANATES

Electrochemical oxidation of the manganate ion to permanganate, M. N. Machulkin and others, Trudy GIPKII no. 47:84-92 '62

## MANGANESE

Studying the nitration kinetics of metallic manganese, I. B. Baratashvili, V. M. Berchiani, Sool. AN Gruz. SSR 27 no. 2:169-172 Ag '61

## MANGANESE—PHYSIOLOGICAL EFFECT

Effect of manganese on secretory activity of parotid gland in sheep, M. A. Rozvakiyev, Trudy Inst. fiziol. AN Kazakh SSR 10:85-89 '66

## MANGANESE CARBONYL

Hydrogen isotope exchange reaction of alkyl-substituted cyclopentadienyl manganese tricarbonyls in acid media, A. N. Nesmeianov and others, Izv. AN SSSR Ser. khim. no. 1:30-33 Ja '67

## MANGANESE-LIQUID-SILICON ALLOYS see Liquid-silicon-manganese alloys

## MANGANESE ORES see subdivision under Kazakhstan

## MANGANESE OXIDES

Characteristics of paraffin oxidation by air with the addition of active manganese dioxide, A. A. Perchenko, Masl. zhur. prom. 32 no. 10:26-27 O '66

Effect of freezing on sorption characteristics of iron hydroxide and manganese dioxide, V. V. Vol'khin, V. L. Zolotarev, Zhur. prikl. khim. 31 no. 6:1218-1225 Je '61

Removal of hydrogen sulfide from gas in the "boiling layer" of manganese slimes, Ia. Buchakari, V. Chagunava, Sool. AN Gruz. SSR 26 no. 6:639-664 Je '61

## MANGANESE SALTS

Chemism of interaction of peroxide radical with manganese stearate, V. M. Gol'dberg, L. K. Obukhova, Izv. AN SSSR, Ser. khim. no. 12:2217-2218 '66

## MANGANESE STEEL

Manufacturing high-manganese steel G13L, S. N. Filonenko, N. S. Molodtsov, Tekh. i org. proizvod. no. 6:38-40 N-D '66

## MANGYSH LAK PENINSULA

Mangyshlak is a fierce island, S. Smorodkin, Mol. komm. no. 4:63-68 '66

## MANGYSH LAK PENINSULA—AMMONOIDEA

Karamalke, a new genus of ammonites from Vracon sediments in the eastern Mangyshlak Peninsula, M. I. Sokolov, Bul. MOIP, Old. geol. 36 no. 5:152 S-O '61

## MANGYSH LAK PENINSULA—BORING

A lot depends on petroleum prospectors, A. Kuvanyshiev, Nar. khoz. Kazakh 24 no. 12:71-76 D '66

## MANGYSH LAK PENINSULA—CLAY

Fresh water clays for drilling muds in Mangyshlak Peninsula, N. Perfil'ev, N. Nabokov, Neftianik II no. 6:25 Ag '66

## MANGYSH LAK PENINSULA—DRILLING MUDS

Fresh water clays for drilling muds in Mangyshlak Peninsula, N. Perfil'ev, N. Nabokov, Neftianik II no. 6:25 Ag '66

## MANGYSH LAK PENINSULA—GAS, NATURAL—GEOLOGY

Analysis of geologic development of Zhetybay and Uzen oil- and gas-bearing structures (southern Mangyshlak), V. A. Benenson, K. K. Tumarev, Geol. nefti i gaza 10 no. 12:35-37 D '68

## MANGYSH LAK PENINSULA—MINERALOGY, DETERMINATIVE

Mineralogical composition of the rocks of the Kara-Tau complex in the Mangyshlak Peninsula, B. A. Korzhenevskii, Bul. MOIP, Old. geol. 36 no. 3:108-110 My-Je '61

**MANGYSHLAK PENINSULA—PETROLEUM GEOLOGY**  
Analysis of geologic development of Zhetybay and Uzen' oil-and-gas-bearing structures (southern Mangyshlak) V. I. Baidanov, F. S. Tumantsev. *Geol. neft i gaz* 10 no. 12, 35-37 D '66.  
Some results of comparative study of hydrology of Mesozoic complexes in eastern Circassia and South Mangyshlak T. G. V. A. Kortenshchik. *Dokl. AN SSSR* 167 no. 2, 409-412 M '66.

**MANGYSHLAK PENINSULA—PETROLEUM PRODUCTION**  
Grant start of Mangyshlak. A. L. Laitin. *Neft' i gaz* 10 no. 9, 10-12 S '66.

**MANGYSHLAK PENINSULA—SUBSIDENCES (EARTH MOVEMENTS)**  
Case of noncompensated depression under conditions of a young platform in the Oligocene of the southern Mangyshlak Peninsula. A. S. Stetsko. *Bull. MOIP. Otd. geol.* 30 no. 5, 55-78 S-O '61.

**MANIC-DEPRESSIVE PSYCHOSES**  
Correlation of conditionally conditioned and conditionally unconditioned reactions in manic-depressive psychoses (during the depressive phase) and in schizophrenia with a depressive syndrome. P. G. Smirnov. *Trudy GIDUV* no. 4, 195-204 '62.  
Correlation of motor and vegetative unconditioned reactions in manic-depressive psychoses (during the depressive phase) and in schizophrenia with a depressive syndrome. P. G. Smirnov. *Trudy GIDUV* no. 4, 188-194 '62.  
Disorders in the higher nervous activity in manic-depressive psychoses. L. Tkach. *Trudy GIDUV* no. 1, 175-187 '62.  
Effect of carbacholine on the higher nervous activity in manic-depressive psychoses (during the depressive phase) and in schizophrenia with a depressive syndrome. P. G. Smirnov. *Trudy GIDUV* no. 4, 205-215 '62.  
Review of E. S. Averbukh's book "Depressive states." N. N. Timofeev. *Zhur. neur. i psikh.* 62 no. 11, 1740 '62.

**MANIFOLDS (MATHEMATICS)**  
Asymptotic behavior of the number of closed geodesics on compact manifolds of negative curvature. I. A. G. Sinai. *Izv. AN SSSR Ser. mat.* 30 no. 6, 1275-1288 '66.  
Diff. ential at the descent method for solving n-dimensional variational problems. S. I. Al'ter, I. A. I. Al'ter. *Dokl. AN SSSR* 171 no. 6, 1247-1250 D '66.  
Lie groups transitive on compact manifolds. A. L. Onishchuk. *Mat. sbor.* 71 no. 4, 483-494 D '66.  
Some submanifolds of a congruence of secant lines. L. A. Zurnykhina. *Trudy TGU* 181, 90-95 '65.  
Topological imbeddings in manifolds, and pseudosectory. L. M. Keldysh. *Mat. sbor.* 71 no. 4, 433-453 D '66.

**MANNECH REACTION**  
Immunoethylation of ethylferrocene. L. S. Shilovskaya and others. *Izv. AN SSSR Ser. khim.* no. 12, 2239-2240 '66.

**MANOMETER**  
Role of space charge and discharge mechanism in cold-cathode manometer. B. A. Sharvatsky. *Ukr. fiz. zhur.* 11 no. 12, 1355-1363 D '66.

**MANOMETRY**  
Methodology and diagnostic significance of manometry and kymography of the esophagus. E. N. Vasilin, A. L. Grebenov, V. I. Chissov. *Grud. khir.* 9 no. 1, 96-102 Ja-T '67.

**MANUAL TRAINING**  
Developing the students' technical creativity. V. T. Tel'nov. *Shkola i proizv.* 10 no. 12, 17-18 D '66.  
Our opinion on the grading of manual-training. V. M. Lutsov. *Shkola i proizv.* 10 no. 10, 20 O '66.  
Training the teachers of industrial education in Kuybyshev Province. I. M. Gonorov, E. V. Zudin, V. M. Medvedev. *Shkola i proizv.* 10 no. 10, 76-78 O '66.

**MANUFACTURES**  
Cooperation as a way to the effective use of materials. B. I. A. Ivanov. *Kozh.-obuv. prom.* 8 no. 11, 7-8 N '66.  
Orlov, N. F., M. V. Androsova, and N. V. Vvedenskii. [Silicon organic compounds in the textile and light industries] *Kremniliorganiicheskie soedineniya v tekstil'noi i legkoi promyshlennosti*. Pod red. M. G. Voronkova. Moskva, Legkaya industriya, 1966. 238 p.

**MANUFACTURES—ABSTRACTS**  
[Light industry] *Ref. zhur. Leg. prom.* no. 2, F '67. *Avtorskii ukazatel' za 1966 g.*

**MANUFACTURES—CLASSIFICATION**  
Methodological problems in the classification and coding of industrial production. M. V. Orlova, D. M. Maikin. *Stand. i kach.* 30 no. 11, 41-44 N '66.

**MANUFACTURES—EXHIBITIONS**  
In honor of the 50th anniversary of the Great October Socialist Revolution. T. D. Makhovikova. *Kozh.-obuv. prom.* 8 no. 12, 5-6 D '66.

**MANUSCRIPTS, ARABIC**  
An illuminated manuscript of an Arabic translation of a Greek chronicle of the 17th century. A. I. Mikhailov. *Palest. sbor.* no. 15, 201-207 '66.

**MANUSCRIPTS, CHINESE** see subdivision under Mongolia, Inner

**MANUSCRIPTS, GREEK** see subdivision under Leningrad

**MANUSCRIPTS, SAMARITAN** see subdivision under Leningrad

**MAP PROJECTION**  
Investigating the shape of the first type of cyclic curve on Mercator's projection of an ellipsoid. B. A. Vukobratovich. *Izv. vuzov. ucheb.-izv. geod. i aerof.* no. 6, 21-26 '62.

**MAPS, EARLY**  
The so-called first map of Vinland. M. A. Logunov. *Izv. Vses. geog. ob-va* 98 no. 6, 169-176 N-D '66.

**MARCINKEVICIUS, JONAS**  
Confession of a young contemporary. R. Rabin. *Nov. mu.* 38 no. 12, 252-256 D '67.

**MARES**  
(see also subdivision under Kazakhstan)  
Lactation reflex in milking mares with modified "Temp" apparatus. Kh. Dusembin. *Trudy Inst. fiziol. AN Kazakh SSR* 10, 148-152 '66.

**MARES—PHYSIOLOGY**  
Effect of milking stimuli on blood supply level in udder of mares. Z. Alsharova, Kh. Dusembin. *Trudy Inst. fiziol. AN Kazakh SSR* 10, 153-157 '66.

**MARGUERITE BAY REGION—GEOLOGICAL TIME**  
Absolute age of some rocks from region of Marguerite Bay, Antarctic Peninsula. G. G. Gikurov, A. I. A. Kalyov, I. U. I. Slin. *Dokl. AN SSSR* 171 no. 6, 1390-1401 D '66.

**MARI A.S.S.R.—ATHEISM**  
People who formerly believed in God are the activists of atheistic propaganda now. M. Dibrava. *Biblioteka* 14 no. 2, 23-26 T '67.

**MARINAS—DESIGN AND CONSTRUCTION** see subdivision under Leningrad

**MARINE BIOLOGY—CONGRESSES**  
Section "Ocean and Life" at 2d International Oceanographic Congress. K. V. Beklemishev, A. A. Nizman, G. I. Semina. *Okeanologia* 6 no. 6, 977-987 '66.

**Trophic dynamics of marine communities: symposium to be held in 1969 by FAO, ICES, and ICNAF.** J. G. Vinogradov. *Okeanologia* 6 no. 6, 1107-1112 '66.

**MARINE BIOLOGY—RESEARCH**  
Characteristics of biological regimen of polar basin and our northern seas, summary and prospects for their scientific and economic development. I. A. Zerkovitch. *Trudy VNIRO* 60, 19-26 '66.

**MARINE BOILERS** see Boilers, Marine

**MARINE DIESEL ENGINES**  
Some characteristics of the power plant of the motor ship "Beloretak". V. I. Vinogradov. *Inform. sbor. TSNIMF* no. 163, Tekh. eksp. mor. flota no. 45, 13-12 '66.

**MARINE DIESEL ENGINES—FUEL SYSTEMS**  
Performance of the chain transmission of the distributing shaft of the MAH/KOZ57/80C engine. I. U. S. Barchat. *Inform. sbor. TSNIMF* no. 163, Tekh. eksp. mor. flota no. 45, 13-21 '66.

**MARINE DIESEL ENGINES—LUBRICATION**  
Comparative tests of foreign and Soviet-made cylinder oils in the operation of various engine types on vessels of the Northern Shipping Company. G. P. Moskalov, A. F. Trubin. *Inform. sbor. TSNIMF* no. 163, Tekh. eksp. mor. flota no. 45, 22-32 '66.

**MARINE DIESEL ENGINES—MAINTENANCE AND REPAIR**  
Analyzing the causes of intensive wear of cylinder bushings and rings of the 560VTRF-110 engine. I. L. Lutsov. *Inform. sbor. TSNIMF* no. 163, Tekh. eksp. mor. flota no. 45, 33-44 '66.

**MARINE DIESEL ENGINES—TESTING**  
Determining the wear of the cylinder-piston group of the 2Ch10. 5/13 engine by the method of scavenging. L. N. Karpov. *Inform. sbor. TSNIMF* no. 163, Tekh. eksp. mor. flota no. 45, 45-53 '66.  
Studying the thermal state of parts of the cylinder-piston group of a low-speed diesel during operation. I. U. S. Samolov. *Inform. sbor. TSNIMF* no. 163, Tekh. eksp. mor. flota no. 45, 58-69 '66.

**MARINE ENGINEERING—BIBLIOGRAPHY** see Bibliography—Marine engineering

**MARINE ENGINES—LUBRICATION**  
Determining the total acidity and total alkalinity of oil with potentiometric titration. I. G. Barchat. *Inform. sbor. TSNIMF* no. 166, Tekh. eksp. mor. flota no. 76, 76-81 '66.

**MARINE ENGINES—MAINTENANCE AND REPAIR**  
Restoring and increasing the durability of the pump of the fuel pump for internal combustion engines. I. U. S. Barchat. *Inform. sbor. TSNIMF* no. 166, Tekh. eksp. mor. flota no. 76, 81-84 '66.

**MARINE FAUNA** see subdivision under Pacific, Japan Sea; Okhotsk, Sea of

**MARINE GAS TURBINES**  
Results of testing gas turbine with fuel injection on the gas turbine propulsion ship "Beloretak" during operation on heavy fuel. B. G. Barchat. *Trudy Inst. fiziol. AN Kazakh SSR* 10, 153-157 '66.

**MARINE PUMPS**  
Conditions of parallel operation of pumps of various methods of level regulation in the A. M. Golovinskiy. B. B. Alsharova. *Inform. sbor. TSNIMF* no. 166, Tekh. eksp. mor. flota no. 76, 81-84 '66.

**MARINE RESOURCES**  
Stepanov, V. N. [Ocean and the future of the USSR]. *Thrudishester Zemli. Moskva, Znanie, 1967. 55 p.* (Navye v zhizni, nauka, tekhnika, XII s'ezd SSSR, Zemli, 2/3)

**MARINE SEDIMENTS**  
(see also subdivision under Pacific, Japan Sea)  
Magnesium in bottom sediments of the northern Sea of Okhotsk and its biological significance. I. A. Zerkovitch. *Trudy VNIRO* 60, 19-26 '66.

**MARINE SEDIMENTS—MAGNETIC PROPERTIES** see subdivision under Atlantic Ocean

**MARINE STEAM TURBINES** see Steam turbines

**MARINE TURBINES**  
Lowering the ends of turbine blades in the stage with partial admission of the steam. V. S. Litsmanov. *Sudostroyeniye* 27 no. 1, 35-40 '66.

**MARTIME LAW**  
Mikulshchik, E. A. [Preventing collisions of ships]. *Prudupredozhdeniye stolknovenii sudov v morsk. transport*, 1966. 134 p. Illus.

**MARTIME TERRITORY—APARTMENT BUILDING**  
Introduction of electric power into living conditions of Maritime Territory. Naft. otch. 1966. 1 p.

**MARTIME TERRITORY—ARCHAEOLOGY**  
Larichev, V. B. [Secret of a stone tablet]. *Trudy i zapiski, dokumental'naya povest' ob arheologicheskoi knizhne* 14-vo, 1966. 250 p.

**MARTIME TERRITORY—BATHROOMS—BUILDING CONSTRUCTION**  
Bathrooms constructed from panels. *Naft. otch.* 1966. 4 p.

**MARTIME TERRITORY—BUILDING MATERIALS**  
Stepanenko, P. P., V. S. Kozhanchikov, and I. U. S. Barchat. [Building materials from rocks of the Maritime Territory]. *Stroitel'nye materialy iz gorskikh i morskikh. Vladivostok, Dal'nostochnoe knizhnoye izdatel'stvo*, 1966. 108 p.

[MICROFILM]

**MARTIME TERRITORY—NEMATODA**  
Three new species of genus *Paraphelasma* (P. 1922) Micolozsky, 1925 (Nematoda, Aspidelma). A. S. Eroshenko. *Zool. zhur.* 13 no. 12, 1973-1974 '66.

## MARITIME TERRITORY—ROCK PRODUCTS

**Stupachenko, P. P., V. S. Kosenbaum, and I. N. Svininnikov** [Building materials from rocks of the Maritime Territory] *Sti otkritiye materialy iz gornykh porod Pribl'mor'ia*. Vladivostok, Dal'nevostochnoe knizhnoe izd-vo, 1965 198 p.

[MICROFILM]

## MARITIME TERRITORY—RUNOFF

Formation of runoff on slopes with relative confining stratum occurring close to surface. N. D. Shtefan. *Sbornik po gidrol.* no. 6 195-166 '66.

## MARITIME TERRITORY—TILES

Simplified technology of manufacturing ceramic tiles. P. Dubovik. *Nistroy Ros.* 1 no. 3 12 Mr '63.

## MARIUPOLITES

see subdivision under Ukraine

## MARKET SURVEYS

Studying the fate market. R. Gogol'. *Sov. tovg.* 40 no. 2 26-20 F '67.

## MARKETING

see subdivision under Kazakhstan

## MARKETS

see subdivision under Leningrad

## MARKING OF ANIMALS

see Animals, Marking of

## MARKOV, ALEKSEI IAKOV LEVICH

Once again on the way; from the new book of the poet. Aleksei Markov. *V mlire knig* 6 no. 6 32 Jr '66.

## MARKOV PROCESSES

Ergodic theorem for Markov processes describing general queueing systems. I. I. Lzhov. *Kibernetika* no. 5 79-81 S-O '66.

Regular boundary points for Markov processes. N. V. Kiylov. *Teor. veroiatn. i ee prim.* 11 no. 4 590-605 '66.

Stefan's problem and optimal stopping rules for Markov processes. B. I. Gikl'lonis. A. N. Shil'nov. *Teor. veroiatn. i ee prim.* 11 no. 4 612-631 '66.

## MARKUP

Regularize the markup system. I. Nikitin. *Mal., tekhn., snabzh.* 1 no. 4 74 O '66.

## MARMOTS

Low subspecies of *Marmota bobac* Mull. and notes on its geographical variability. V. A. Pokanov. *Zool. zhur.* 45 no. 12 1862-1866 '66.

## MARMOTS—PARASITES

see Parasites—Marmots

## MARNEULI DISTRICT—GRANITE

Genesis of micropegmatite structures and quartz metacrytals as exemplified by the rock complex of the Bardadzi district. R. I. Makashvili. *Sob. AN Gruz. SSR* 26 no. 6 675-680 Jr '61.

## MARQUETRY

Schoolchildren are learning marquetry. A. S. Chvorostov. *Shkola i prizr.* 10 no. 10 72-75 O '66.

## MARRIAGE CUSTOMS AND RITES

see subdivision under Turkey

## MARROW

Computative data of the coagulogram and B fibrinogen in the plasma of venous blood and bone marrow in donors. I. A. Karadzhaev. *Arkh. med. zhur.* 43 no. 12 20-22 D '66.

Prevention of death in rats by screening part of the bone marrow during irradiation. N. F. Gronskaia. *Biol. eksp. biol. i med.* 63 no. 1 27-30 Ja '67.

Some indices of the mitotic activity of bone marrow following the effect of ionizing radiation on the body. M. N. Gorizontova. *Med. rad.* 11 no. 12 55-56 D '66.

## MARROW—DISEASES

Interpretation of changes in the number of "drumsticks" in mature neutrophils in chronic myelosis in women. V. I. Shats. *Probl. gemat. i perel. krovi* 12 no. 1 51-52 Ja '67.

## MARROW—TRANSPLANTATION

Autotransplantation of bone marrow cells in experimental radiation sickness. G. S. Strelin, N. K. Shmidt, A. K. Riabukha. *Radiobiologiya* 2 no. 4 551-560 '62.

Autotransplantation of bone marrow cells in the treatment of radiation sickness produced in rats by fractional irradiation. G. S. Strelin, N. K. Shmidt. *Med. rad.* 7 no. 10 44-51 O '62.

Effect of the taking of bone marrow on the morphology of hematopoietic organs of irradiated recipients. K. K. Zaitseva. *Arkh. pri.* 28 no. 12 38-43 '60.

Use of auto- and allografts of bone marrow in conjunction with increased doses of chemopreparations in the treatment of lymphogranulomatosis and tumorous reticulosis. G. E. Khutsishvili. *Probl. gemat. i perel. krovi* 12 no. 1 37-40 Ja '67.

## MARSHAK, IL'IA IAKOV LEVICH, 1895-

Poetic encyclopedia. S. Marshak. *Vop. lit.* 5 no. 9 139-155 S '61.

## MARTENS

Stone martens. P. N. Andreev. *Izv. Kiyv. old. Grog. obsh.* no. 6 209-210 '61.

## MARTI, JOSÉ, 1853-1895

An apostle of Cuban freedom. A. G. Gidoni. *Uch. zap. Kab.-Balk. gos. un.* no. 27 76-82 '65.

## MART'YANOV, PETR ALEKSEVICH, 1835-1866

Petr Mart'yanov, a peasant who was the correspondent of the newspaper "Kolokol". A. V. Kiklikanin. *Vop. ist.* 42 no. 1 212-214 Ja '67.

## MARTYNOVICH, P. D.

Taranushenko, Stefan. [P. D. Martynovich; a sketch of his life and work] P. D. Martynovich, na yazy pro zhizn i tvorchestvo. Kyiv, Derzh. vyd-vo obshch. i osv. cheloveka myslitel'stva i muzychnoi lit-ry, 1958, 35 p. (CaOTU)

## MARX, KARL, 1818-1883

Analysis of K. Marx's "Economic and philosophical manuscripts". D. Markush. *Nauch. dokl. vys. shkoly, filol. nauk* 4 no. 1 98-108 '61.

K. Marx on some problems of technological progress under capitalism. S. M. Gligorian. *Vop. ist. LPSR* 11 no. 2 58-67 F '67.

Monument to the founder of scientific communism. N. Sobolevskii. *Gor. khoz. Mosk.* 35 no. 12 1-4 D '61.

## MARX, KARL, 1818-1883—BIBLIOGRAPHY

see Bibliography—Marx, Karl, 1818-1883

## MARX, KARL, 1818-1883—HOMES AND HAUNTS

The house of Marx. John Williamson. *Nov. vrem.* 25 no. 7 71-82 F '67.

## MASERS

Use of electron synchrotron as maser. A. A. Sokolov, I. M. Terinov. *Pis'ma v red. Zhur. eksp. i teoret. fiz.* 4 no. 3 90-92 Ag '66.

## MASS (PHYSICS)

Applying the law of mass action to metallurgical reactions with participation of solid and gaseous phases. L. S. Vorontsov. *Izv. AN SSSR Met.* no. 1 92-96 Ja-F '67.

## MASS SPECTROMETRY

Force constants of hydrogen peroxide. N. I. Storozh, V. P. Morozov. *Dokl. AN URSR* no. 12 1598-1599 '66.

Mass-spectrometric detection of long-lived auto-ionization states of  $Ca^{+}$  and  $Sr^{+}$  ions. S. P. Kuz'manov. *Pis'ma v red. Zhur. eksp. i teoret. fiz.* 4 no. 9 345-349 N '66.

Mass spectrometric study of toluene transformations on pyridinium tape. V. M. G. Iaznov, I. Sanchez, K. Mat'-domado. *Dokl. AN SSSR* 171 no. 6 1358-1360 D '66.

## MASS TRANSFER

Analogy between heat exchange in boiling and mass exchange in heterogeneous reaction accompanied by gas phase emission. G. A. Akseilrud, L. A. Pokhodenko. *Khim. i tekhn.* 7 no. 6 1081-1083 N-D '66.

Calculation of the process of dissolution of solid particles in a bubble-type tower. V. I. P. makov, A. N. Pinnov-ski. *Izv. vyz. ucheb. zav. khim. i khim. tekhn.* 9 no. 5 845-846 '66.

Heat and mass transfer during rectification in the presence of an inert liquid coolant. M. E. Aevov and others. *Zhur. prikl. khim.* 34 no. 6 1193-1200 Jr '61.

Investigating the process of heat and mass transfer in the evaporation of a liquid from a free surface in a saturated gas atmosphere. V. I. Balakhonova. *Inzh.-fiz. zhur.* 12 no. 1 3-9 Ja '67.

Mass transfer between a spherical particle and the surrounding medium in case of mixed convection at high temperatures. G. P. Khaustovich. *Topoliz. vys. temp.* 4 no. 6 879-881 N-D '66.

Mass transfer in a pipe with wetted wall when the liquid phase is stirred up. N. N. Kulov, V. A. Malkusev. *Dokl. AN SSSR* 171 no. 6 1380-1391 D '66.

Seminar on heat and mass transfer. *Khol. tekhn.* 43 no. 12 42 D '66.

Studying the process of mass transfer between a spherical solid and a turbulent gas flow. V. A. Sytnikov and others. *Inzh.-fiz. zhur.* 12 no. 1 10-14 Ja '67.

Theory of mass transfer in solid metals. M. D. Hinchuk. *Ukr. fiz. zhur.* 4 no. 5 584-585 S-O '66.

Theory of transfer phenomena connected with electron drag by ultrasonic waves in solids. I. V. Gullayev. *Fiz. tver. tela* 6 no. 11 3366-3372 N '66.

## MASS TRANSFER—ELECTROMECHANICAL ANALOGIES

Using electric analogies in solving problems of heat and mass transfer. I. A. Kordoba. *Inzh.-fiz. zhur.* 11 no. 6 800-831 D '66.

## MASTICS

Mastic as a safe protection of panel joints. A. Taganisev, G. Akhenshtein. *Na stroi. Ros.* 4 no. 9 25 S '63.

## MATERIA MEDICA, VEGETABLE

Mineral composition of medicinal plant raw materials and phytopreparations with cardiovascular action. V. K. Lashchenko. *Farmatev. zhur.* 17 no. 2 18-34 '62.

## MATERIALS—ANALYSIS

[Modern methods of chemical and spectrum analysis of materials, collection of surveys and methods] *Sovremennye metody khimicheskogo i spektral'nogo analiza materialov*. Izd. 7., ispr. Moskva, Mashinostroenie, 1967. 311 p.

## MATERIALS—STORAGE

Storage materials corrected. S. I. Aganov. *Mal., tekhn., snabzh.* 1 no. 4 71-73 O '66.

## MATERIALS—TABLES, CALCULATIONS, ETC.

Polyanov, P. M. [Tables for computing the weight of parts and materials] *Tablitsy dlia podscheta vesa detal' i materialov*. Izd. 7., ispr. Moskva, Mashinostroenie, 1967. 302 p.

## MATERIALS—TESTING

Wear resistance of machine parts made of compressed wood. N. M. Tarnasev, M. M. Podlesnykh. *Izv. vyz. ucheb. zav., les. zhur.* 4 no. 6 105-108 '66.

## MATERIALS, EFFECT OF TEMPERATURE ON

Studying the diathermance of solid materials at high temperatures of the emitter. I. U. P. Iakovlev. *Tepl.-fiz. vys. temp.* 4 no. 6 882-883 N-D '66.

## MATERIALS AT HIGH TEMPERATURES

Experimental methods in determining the heat resistance of high-melting materials. A. G. Ladin, V. B. Fedorov, V. S. Egorov. *Topoliz. vys. temp.* 1 no. 6 885-871 N-D '66.

## Seminar po zharostokim pokrytiyam, Leningrad, 1965.

[High-temperature coatings; transactions] *Vysokotemperaturnye pokrytiya, tudy* Moskva, Nauka, 1967. 223 p.

Stand for studying the thermal strength of materials. I. G. Val'ter. *Engin. mashinostroenie* 12 no. 11 48 N '66.

## MATERIALS HANDLING—ABSTRACTS

[Industrial transportation] *Ref. zhur. Prom. transp.* no. 2 F '67.

## MATERIALS RESEARCH—EQUIPMENT AND SUPPLIES

The 3001 climatic chamber. V. Kh. Andreev. *Khol. tekhn.* 43 no. 12 51-53 D '66.

## MATHEMATICAL ANALYSIS

Algorithms for the selection of an integration step. N. S. Bakhtvalov. *Vych. met. i prog.* 5 3-8 '66.

Contribution to the theory of ordinary differential equations. A. D. Gorbunov. *Vych. met. i prog.* 5 28-60 '66.

Determination of the zeros of a holomorphic function. V. G. Litsanskii. *Vych. met. i prog.* 5 87-98 '66.

Evaluation of the error of the six-point line method for some boundary value problems. V. A. Morozov. *Vych. met. i prog.* 5 74-88 '66.

Fikhtengol'ts, G. M. [Fundamentals of mathematical analysis] *Osnovy matematicheskogo analiza*, Moskva, Nauka.

Vol. 1. Izd. 5. 1964. 440 p.

Numerical method for solving Fredholm integral equations of the first order. A. B. Bakishinski. *Vych. met. i prog.* 5 99-106 '66.

Problem of the maximum function of several variables. B. T. Poliak. B. I. Shostakovskii. *Vych. met. i prog.* 5 107-114 '66.

Program for a regularizing algorithm for the Fredholm equation of the first order. V. B. Glasko, P. N. Zaikin. *Vych. met. i prog.* 5 61-73 '66.

Solution of boundary value problems for a system of ordinary differential equations. N. S. Bakhtvalov. *Vych. met. i prog.* 5 9-16 '66.

Some problems of optimization of networks. A. M. Bel. E. N. Belov, B. T. Poliak. *Vych. met. i prog.* 5 115-123 '66.

Special features of the graph of total error in approximation calculation of Cauchy's problem for an ordinary differential equation. A. N. Tikhonov, A. D. Gorbunov, S. S. Gaisarian. *Vych. met. i prog.* 5 21-27 '66.

Using mathematical methods in investigating labor-consuming processes. M. E. Karasik. *Transp. stroi.* 16 no. 4 36-39 Ap '60.

## MATHEMATICAL ANALYSIS—PROBLEMS, EXERCISES, ETC.

A problem in analysis. I. Constantinescu. *Zap. LGI* 43 no. 3 43-48 '64.

## MATHEMATICAL ECONOMICS

see Economics, Mathematical

## MATHEMATICAL GEOGRAPHY

see Geography, Mathematical

## MATHEMATICAL INSTRUMENTS

Apparatus which receive a high rating. S. Kushul. *Nar. obr.* no. 2 61-63 F '67.

## MATHEMATICAL LINGUISTICS

- Linguistic problems of the automation of coding. A. F. Fikhtik. Publ. Otd. struk. i prikl. lingv. MGU no. 151-66 '65.
- Meaning and understanding from the point of view of the machine. V. A. Zverev. Publ. Otd. struk. i prikl. lingv. MGU no. 136-65 '65.
- Properties of grammars of immediate constituents. I. G. Simulents. Fizmatlit. no. 5 24-27 S-O '68.
- Semantic problems of heterological coding. A. E. Kibitk. Publ. Otd. struk. i prikl. lingv. MGU no. 167-83 '65.
- Study of oral speech, some remarks on Gottlob Frege's theory of meaning. Z. M. Muravina. Publ. Otd. struk. i prikl. lingv. MGU no. 116-138 '63.

## MATHEMATICAL MODELS

- Gugor'ev, L. G. [Simulation and the technical sciences]. Modelirovaniye i tekhnicheskie nauki. Moskva, Znanie, 1967. 82 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya Tekhnika, no. 1).

## MATHEMATICAL OPTIMIZATION

- Approximately optimal coefficients of linear servosystems. Part I. L. S. Lapupov. Vest. Mosk. univ. Ser. I. Mat., mekh. 22 no. 194-98 Ja-F '67.
- Gradient method for solving a class of problems of optimal control. O. V. Vasil'ev. Zhur. vych. mat. i mat. fiz. 7 no. 1 92-61 Ja-F '67.
- A method of absolute optimization in convex programming problems. V. I. D. Mazurov. Zhur. vych. mat. i mat. fiz. 7 no. 1 201-208 Ja-F '67.
- A nonlinear extremum problem. V. F. Dem'yanov. Zhur. vych. mat. i mat. fiz. 7 no. 1 33-51 Ja-F '67.
- Optimality conditions for systems containing members with distributed parameters. A. I. Egorov. Dokl. AN SSSR 171 no. 6 1261-1263 D '66.
- Proof of the convergence of G. V. Shefel'kovskii's method for a problem involving transport limitations. L. M. Bredman. Zhur. vych. mat. i mat. fiz. 7 no. 1 147-156 Ja-F '67.
- Stefan's problem and optimal stopping rules for Markov processes. B. I. Grigelionis, A. N. Shiriaev. Teor. veroyat. i ee prim. 11 no. 1 612-631 '66.
- Sufficient optimality conditions for discrete controllable systems. V. I. Krotov. Dokl. AN SSSR 172 no. 1 18-21 Ja '67.
- Theory of the best approximation of optimal control. I. P. Lytkin. Izv. vys. ucheb. zav., gor. zhur. 10 no. 1 142-146 '67.

## MATHEMATICAL PHYSICS

- Specifying characteristics in solving a conjugated problem. N. G. Kondrashov, V. B. Ryklin. Inzh.-fiz. zhur. 12 no. 1 86-91 Ja '67.

## MATHEMATICAL STATISTICS

- Applying methods of mathematical statistics in determining velocity parameters of earth's crust by hodographs of reflected waves. A. V. Egorov. Izv. AN SSSR. Fiz. zem. 12 54-61 '66.
- Approximately minimum detection of a vector signal in the case of Gaussian noise. Yu. V. Lyukin. Teor. veroyat. i ee prim. 11 no. 4 561-578 '66.
- Establishing standards for working capital in coal mining enterprises with use of mathematical statistical methods. A. P. Gribov. Izv. vys. ucheb. zav., gor. zhur. 8 no. 9 45-50 '65.
- Kuljinskii, L. A., and G. A. Ososkov. [Use of histograms in statistical modeling]. Ob izpol'zovanii gistogramm pri statisticheskom modelirovanii. Dubna, 1967. 21 p.
- Multidimensional statistical characteristics of sea currents and their use. B. I. Beliaev, V. D. Pozdynin. Okeanologiya 6 no. 6 1039-1069 '66.
- Ryzhkov, P. A., and V. M. Gudkov. [Using mathematical statistics in prospecting for mineral resources]. Priimenenie matematicheskoi statistiki pri razvedke nedr. Moskva, Nedra, 1966. 234 p.
- Study of neuron pulsations using methods of the theory of probabilities and mathematical statistics. M. O. Kulykov. Fiziol. zhur. [Ukr.] 12 no. 6 829-834 N-D '66.

## MATHEMATICS

- An example of connection between agricultural experiment and mathematics. Z. V. Zemtsov. Shkola i proizv. 10 no. 12 40 D '68.
- Minkovskii, V. L. [Behind the pages of a mathematics textbook, a handbook for students of the sixth grade]. Za stranitsami uchebnika matematiki, posobie dlia uchashchikhsia VI klassa. Moskva, Prosveshchenie, 1966. 117 p.
- Zaitsev, I. L. [Course of higher mathematics for technical schools]. Kurs vysshe matematiki dlia tekhnicheskikh shkoly. Pod red. G. S. Baranenkova. Izd. 4., stereotipnoe. Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1961. 372 p. (VU).
- Zaitsev, V. V., V. V. Ryzhkov, and M. I. Skanavi. [Elementary mathematics; refresher course]. Elementarnaya matematika; povtoritel'nyi kurs. Moskva, Nauka, 1967. 632 p.

## MATHEMATICS—ABSTRACTS

- [Mathematics] Ref. zhur.: Mat. Avtorit. ukazatel' za 1965 g.

## MATHEMATICS—CONGRESSES

- The International Congress of Mathematicians. R. K. Bib. Nat. obr. no. 1 32-39 Ja '67.
- Results of Scientific Studies in 1964-1965. Doklady. Red. M. I. Vishik, A. F. Leont'ev, E. D. Solomentsev. Moskva, Mosk. energ. in-t, 1965. 244 p.
- Work of the Seminar on Differential Equations at the Institute of Mathematics of the Academy of Sciences of the U. S. S. R. I. I. Kovtun. Uki. mat. zhur. 19 no. 1 111-142 '67.

## MATHEMATICS—GRAPHIC METHODS

- Functional graphs and their application in life. Vech. sred. shkola 9 no. 5 63-66 S-O '66.

## MATHEMATICS—JUVENILE LITERATURE

- Prel'man, I. A. I. [Live mathematics, mathematical stories and puzzles]. Zhivaya matematika, matematicheskie rasskazy i golovolomki. Izd. 8., perep. i dop. Pod red. I. S. Dolgonizami V. G. Dolganizskogo. Moskva, Nauka, 1967. 159 p.

## MATHEMATICS—PHILOSOPHY

- The place of mathematics in the system of sciences. I. A. Aichkin. Vop. filos. 21 no. 1 79-90 '67.

## MATHEMATICS—PROBLEMS, EXERCISES, ETC.

- For family leisure hours. Sem'na i shkola 22 no. 1 52-64 Ja '67.
- Iofe, I. U. M., and A. T. Rogov. [Problems in higher mathematics for technical schools]. Zadachniki po vysshe matematike dlia tekhnicheskikh. Moskva, Vysshaya shkola, 1966. 226 p.

## MATHEMATICS—STUDY AND TEACHING

- (See also subdivision under Great Britain)
- Connection between mathematics and physics instruction. V. M. Kokrev, N. N. Tul'khanov. Vech. sred. shkola 9 no. 5 48-51 S-O '66.
- Connection between mathematics instruction and the students' work in industrial enterprises. A. V. Makuzov, and others. Vech. sred. shkola 8 no. 5 67-70 S-O '66.
- A mathematics study group in school. V. G. Pankratova, A. E. Shmalyeva. Nach. shkola 35 no. 2 28-31 '67.
- A movement for the reform of mathematical education. I. Andronov, I. U. Kolagin, nar. obr. no. 2 85-87 F '67.
- Some forms of interaction in mechanical drawing and mathematics classes. I. A. Rollman. Vech. sred. shkola 9 no. 5 50-62 S-O '66.

## MATRICES

- Calculating the mass difference of  $K_1$  and  $K_2$  mesons. A. I. Vainshtein, I. B. Khlopov. Zhur. vych. mat. i mat. fiz. 7 no. 1 187-164 Ja-F '67.
- Definition of the domain of definition of points in a matrix spectrum. L. S. Dushits, M. S. Zuzmanovich. Zhur. vych. mat. i mat. fiz. 7 no. 1 187-164 Ja-F '67.
- Deformations of holomorphic vector fibrations over the Riemannian sphere. I. T. Donin. Mat. sbor. 71 no. 1 495-502 D '66.
- Hankel and Toeplitz matrices and signatures of Toeplitz forms. I. S. Iokhvidov. Uki. mat. zhur. 18 no. 1 25-35 '67.
- Inversion algorithm for symmetrical matrices. A. Z. Sazonov. Izv. vys. ucheb. zav., geod. i aerof. no. 6 17-80 '62.
- Quasi-non-Euclidean spaces over an algebra of real matrices. S. S. Kasyrova. Izv. AN Azorb. SSR. Ser. Fiz.-tekh. i mat. nauk no. 4 16-22 '66.
- Relation of conjugate bearing methods to triangular factorization. B. P. Magnuskin. Izv. vys. ucheb. zav., geod. i aerof. no. 6 65-75 '62.

## MATTER—CONSTITUTION

- Qualitative changes and the structure. A. F. Zak. Vop. filos. 21 no. 1 50-58 '67.
- Quantity, quality, and structure. V. V. Agudov. Vop. filos. 21 no. 1 59-68 '67.

## MATTER—PROPERTIES

- So-called geological form of the movement of matter. A. M. Pozhitinov. Trudy Irk. inst. nar. phos. no. 1 200-299 '66.

## MAXIMA AND MINIMA

- Minimization of computation algorithms in certain matrix transformations. V. V. Kituev, N. I. Kokovkin-Shokhrimbak. Zhur. vych. mat. i mat. fiz. 7 no. 1 3-13 Ja-F '67.
- On the number of computations for finding the minimum of convex function. A. I. Kuzovkin, V. M. Fikhomirov. Eksp. i mat. metod. 3 no. 1 95-103 Ja-F '67.

## MAYA VALLEY—GEOLOGY, STRATIGRAPHIC

- Basic problems of the Late Pre-Cambrian stratigraphy in the Uchur-Maya region. S. V. Nuzhnov. Blui. MOIP. Old. geol. 38 no. 5 135-139 S-O '61.

## MAZUT

- Experimental study of flash evaporation process. A. A. Svetlov. Neft. per. i neftokhim. no. 30 3-5 '66.
- Some results of the tests of burners designed by the No. 1 State Trust for Oil and Petrochemicals. (Translation of Regional Electric Power Plant. No. 1, Purg. i elek. no. 6 17-19 N-D '66).
- Studying possibility of using sour mazut for production of furnace. K. A. Kaplan. Neft. per. i neftokhim. 30 18-21 '66.

## MEASURE THEORY

- Extendibility of additive classes and countable measures in topological groups. M. M. Yakovlev. Izv. Sibir. AN (Ukr.) 41 no. 2 269-271 N '66.

## MEASURING INSTRUMENTS

- Indicator of the slip of synchronous motor. A. Z. Gor. elektromekh. i avtom. no. 1 28-31 '65.
- Zhokhovskii, M. K. [Theory and design of a motor with unscaled piston]. Teoriya i konstruktsiya neopolemykh porshnev. Izd. 2., perep. i dop. Moskva, Izd-vo Standartov, 1966. 330 p.

## MEASURING INSTRUMENTS—(1). LINEARITY

- Special features of the problem of linearity of measuring instruments. Zh. tekhnichesk. fiz. i zav. elektromekh. 9 no. 12 1491-1493 '66.

## MEASURING INSTRUMENTS—TESTING

- [Guide of instructions, methodological literature, and rules governing the testing of measuring instruments (position as on January 1, 1965)]. Tekhnicheskii metodicheskii ukazatel' po vyshchey norme i izmetitel'nykh priborov (po sostoyaniyu na 1.01.1965 g.) Izd. offtshl'noe. Moskva, Izd-vo Standartov, 1965. 10 p.

## MEASURING TAPES—STANDARDS

- Russian (U. S. S. R.). Komitet standartov, norm i izmeritel'nykh priborov. [Metal measuring tapes]. Metalliche metalicheskie. GOST 7502-61. Tekhnicheskii ukazatel' po vyshchey norme i izmeritel'nykh priborov (po sostoyaniyu na 1.01.1965 g.) Izd. offtshl'noe. Moskva, Izd-vo Standartov, 1965. 10 p.

## MEAT—PACKAGING

- Checkup and competition in the production of meat. V. Agueva. Mias. ind. SSSR 38 no. 1 21-23 Ja '67.

## MEAT—PRESERVATION

- Preventing the proteolytic deterioration of meat. M. P. Silaev. Konz. i ov. prom. 12 no. 1 15-16 '67.

## MEAT, CANNED

- Consultation. Mias. ind. SSSR 38 no. 1 21-23 Ja '67.
- Method of canning food, for example, meat. A. I. Barmanov, T. N. Polotnev. Shkol. i zhur. no. 1 1961 g. 110-11.

## MEAT, FROZEN—TRANSFORMATION

- Experimental transformation of a frozen meat. Khol. tekhn. 43 no. 11 10-11 N '66.

## MEAT INDUSTRY

- (See also subdivision under Germany, West, and East; Leningrad; Udm-Udu; White Russia)
- Competition in honor of the Great October Revolution. Mias. ind. SSSR 38 no. 1 21-23 Ja '67.
- Development of the manufacture and marketing of finished meat products. V. Piatomov. Mias. ind. SSSR 38 no. 1 19-20 Ja '67.
- New machines and technology of the meat industry. Mias. ind. SSSR 38 no. 1 21-23 Ja '67.
- Problems waiting for solutions. R. Andriukov. Mias. ind. SSSR 38 no. 1 21-23 Ja '67.

## MEAT INDUSTRY—CONGRESSES

- 12th European congress of the scientists of the meat industry. V. Chubrikov. Mias. ind. SSSR 38 no. 1 32-36 Ja '67.

## MEAT INDUSTRY—EQUIPMENT AND SUPPLIES

- Electric driving for the spraying disk of the T-18 dryer. B. Moroz. Mias. ind. SSSR 38 no. 1 24-27 Ja '67.
- Ultrasonic conveyor unit for the cleaning of meat. Mias. ind. SSSR 38 no. 1 24-27 Ja '67.

## MEAT INDUSTRY—EXHIBITIONS

- International exhibition "Improdmanash-67". Mias. ind. SSSR 38 no. 1 24-27 Ja '67.

## MEAT INDUSTRY—HYGIENIC ASPECTS

- Meat industry—management. Mias. ind. SSSR 38 no. 1 24-27 Ja '67.

## MEAT INDUSTRY—PERIODICALS

- Topic outline of the journal "Miasnaya industriya" for 1967. Mias. ind. SSSR 38 no. 1 17-20 Ja '67.



## MEAT INSPECTION

Determining phosphamide in animal tissues by the method of thin layer chromatography V. V. Kadnikov Khim. v sel', 5 no. 1 51-55 Ja '67

## MEAT INSPECTION—EQUIPMENT AND SUPPLIES

Stamps for marking carcasses and hides. V. Kufikov Miro. med. 5581 18 no. 1 28-29 Ja '67

## MECHANICAL DRAWING

Tavgo, Edgar. [Mechanical drawing in machine building] Tehniline joonestamine masinadele ehitajale. Tallinn, Valgus, 1965, 108 p. [In Estonian]

## MECHANICAL DRAWING—STANDARDS

Activity of the Tenth Technical Committee of the International Standardization Union. N. T. Baskilova Stand. i kach. 10 no. 11 81-85 N '66

Introducing change in drawings and other technical documents A. I. Mitrova Stand. i kach. 30 no. 11 17 N '66

It is necessary to specify standards for design documentation. Stand. i kach. 30 no. 11 92-93 N '66

Reviewing standards for the presentation of drawings. E. G. Staschilets Stand. i kach. 10 no. 11 21-22 N '66

Standardization of the rules for recording materials on drawings. R. M. Shteinberg, M. G. Aronovskii, V. N. Vzorov. Stand. i kach. 10 no. 11 15-18 N '66

## MECHANICAL DRAWING—STUDY AND TEACHING

Advice to teachers of art and mechanical drawing. N. I. Tkachenko. Shkola i protiv. 10 no. 10 37 O '66

Perforated and not perforated in mechanical drawing L. M. Iokels. Shkola i protiv. 10 no. 12, 11-16 D '66

Practical experience of students in mechanical drawing. L. M. TSBul'kii. Shkola i protiv. 10 no. 12-59 D '66

Some forms of interaction in mechanical drawing and mathematics classwork. J. A. Roltman. Vech. shkol. shkola 9 no. 5-6-8-9 O '66

Working out the design of a pivot during classwork. IU. M. Iuklanov. Shkola i protiv. 10 no. 10 38-39 O '66

## MECHANICAL ENGINEERING

[Technological handbook] Tehniska rokagrammata. Riga, Latvijas Valsts Izdevnieciba [In Latvian], Pt. 2. Sasildzusi Latvijas Valsts Universitates mehanikas fakultates macibu speki. Redigojis V. Ivanovskis, 1957, 923 p.

## MECHANICAL ENGINEERING—PROBLEMS, EXERCISES, ETC.

Gor'kovskii politekhnicheskii institut. Kafedra soproivleniia materialov. [Standard problems for tests and examinations on the courses of the strength of materials, theory of elasticity and mechanical engineering] Tipovye zadachi k vachetam i ekzamenam po kursam soproivleniia materialov, leonii uprugosti i stoiat'noi mekhanike mashin Gor'kii, 1964, 10 p. [MICROFILM]

## MECHANICAL ENGINEERING—STUDY AND TEACHING

Development of the student's abilities in after class structural design group. I. P. Ivdekinenko. Shkola i protiv. 10 no. 10 60-61 O '66

The real object and the computational diagram in a course in technical mechanics. M. D. Goltol', Stoi. opate obr. 13 no. 7, 13-19 JI '66

Technical mechanics in technical schools. A. A. Dzied. Sied. opate obr. 13 no. 7 12-14 JI '66

## MECHANICAL WEAR

Amount of wear and purpose of the optimum method of reconditioning axes of satellite planetary reduction gear of cast cutter-ladders. P. M. Shilov and others. Izv. vys. ucheb. zav., 9 no. 8 95-98 '65

Cause for the formation of porosity on the working surface of cast-iron sleeves of a turbine. V. P. Zlobin, S. P. Litovnichuk, I. I. Van'chik. Tekh. i org. proizv. no. 6:99-101 N-D '66

Device for testing building materials for wear. A. L. Bartashevich. Stoi. mat. 7 no. 12:34 D '61

Increasing service life of the planetary mechanism in UKR-1 motor-loaders. D. M. Vaikin, V. A. Demichenko. Mash. i obr. dia mekh. i avtomatiz. trnd. prote. v ugol', prom. no. 2:202-211 '65

Interaction of track and car wheels with irregular wear. V. N. Krivosheev, N. N. Kudravinov. Vest. TSNII MPS 25 no. 8:30-32 '66

Investigating the wear of hard filler materials subjected to repeated collisions with abrasive particles. M. M. Khuravchev, M. A. Babichev. Mashinovedenie no. 1:102-107 Ja-F '67

Laboratory method of testing for wear of collars and seats of mud pump valves. N. A. Prokhorov, G. M. Sorokin. Izv. vys. ucheb. zav., 9 no. 8:87-89 '66

Relation between intensity of the wear of pipe elbows and the flow rate in pneumatic conveying. M. E. Dogin, M. P. Kuchma, A. V. Starovoirov. Izv. vys. ucheb. zav.: Chern. met. 10 no. 1:190-194 '67

Shal'kov, S. D. [Regularity of wear and methods of increasing the durability of blanking dies] Zakonomernosti iznosia i metody povysheniia stoikosti vyrukhnykh shampov. Kazan', Tatarskoe knizhnoe izd-vo, 1965, 86 p.

Theoretical estimate of the wear of electric mine locomotives. P. M. Shilov, A. A. Suslov, P. S. Bimov. Gor. elektromekh. i avtom. no. 1:188-193 '65

Types of wear and breakup of supports of small roller bits. V. N. Vinogradov, G. M. Seidman, A. N. Pashkov. Neft. khoz. 44 no. 10:15-18 O '66

Wear of piston couplings in hydraulic systems of a cavity. S. V. Kandyba. Mekh. stroit. 23 no. 12:16-17 D '66

## MECHANICS

Steady-state rotations in an autonomous system. L. D. Akulenko, V. M. Volosov. Vest. Mosk. un. Ser. 1. Mat. i mekh. 21 no. 6:34-39 N-D '66

## MECHANICS—ABSTRACTS

[Mechanics] Ref. zhur. Mekh. no. 2 F '67.

## MECHANICS, ANALYTIC

Bogrey, V. V., and V. D. Meshcheriakov. [Methodological textbook for use in solving problems in theoretical mechanics, statics] Metodicheskoe posobie po resheniu zadach teoreticheskoi mekhaniki, statika. Moskva, 1966, 81 p.

## MECHANICS, CELESTIAL

On the problem of n-fixed centers. I. M. Belcnikii Prikl. mat. i mekh. 30 no. 6:1102-1105 N-D '66

## MECHANISMS

Calculating total number of parameters of a crank and rocker mechanism considering the given angle of transmission. V. I. A. Boletskii. Dcl. mash. i pod'em. transp. mash. no. 15-15 '65

Calculating total number of parameters of a four-bar linkage considering the given angle of transmission. V. I. A. Boletskii. Det. mash. i pod'em. transp. mash. no. 15-21 '65

Plimenov, A. I. [Control mechanisms in radio apparatus] Mekhanizmy upravleniia v radioapparature. Moskva, Energiia, 1966, 166 p. [Biblioteka po radioelektronike, no. 4]

Stability conditions of a mechanism with an electric drive under the action of elastic forces of resistance with hysteresis. G. S. Korotkov. Mashinovedenie no. 1:33-39 Ja-F '67 '67

Structure of three-dimensional mechanisms. I. G. Katsavushkil. Det. mash. i pod'em. transp. mash. no. 1:54-63 '65

## MECHANIZATION

Mechanize repair and maintenance of roadbeds. Put' i put. khoz. 10 no. 9:14 '66

Mechanized brigades for fattening cattle on state livestock fattening farms in Stavropol Territory. B. P. Uspenski, Dokl. i soob. VNIESKH no. 26:38-46 '65

New track laying machines in the five-year plan. M. T. Chlenov. Put' i put. khoz. 10 no. 9:4-6 '66

## MEDALS

Stamped in bronze. I. Mozhaisko. Az. i Afr. seg. 10 no. 1:44-45 Ja '67

## MEDIASTINUM—HYDATIDS

Echinococcosis of the posterior mediastinum. V. T. Netsvin. Khirurgia 38 no. 11:120-121 N '62

## MEDIASTINUM—RADIOGRAPHY

Mediastinoscopy in the diagnosis of diseases of the chest. A. S. Libov, V. L. Toluzakov. Vop. onk. 13 no. 1:14-18 '67

## MEDIASTINUM—SURGERY

Echinococcosis of the posterior mediastinum. V. T. Netsvin. Khirurgia 38 no. 11:120-121 N '62

## MEDICAL AND SURGICAL USES OF EARTHS

Earths, Medical and surgical uses of

## MEDICAL CLIMATOLOGY

see Climatology, Medical

## MEDICAL GEOGRAPHY

see subdivision under Azerbaijan

## MEDICAL GYMNASTICS

see Exercise therapy

## MEDICAL HELMINTHOLOGY

Iazdina, Malga. [Most widespread helminthiasis in men] Lphtilakias chelva helminthozes. Riga, Zinatne, 1966, 92 p. [In Latvian] (DNL)

## MEDICAL JURISPRUDENCE

Case of incomplete osteogenesis. E. V. Murashev. Sud.-med. ekspert. 9 no. 4:52 O-D '66

Expedient examination of damage to clothing in institutions of forensic medicine. S. P. Prilyeva-Marchenko. Sud.-med. ekspert. 9 no. 4:27-30 O-D '66

Extrusion of thoracic and abdominal organs under the skin of the lower extremity in an automobile accident. A. U. Shafeev. Sud.-med. ekspert. 9 no. 4:51 O-D '66

Heart lesions in closed trauma of the chest. S. A. Burov and others. Sud.-med. ekspert. 9 no. 4:11-14 O-D '66

Using the findings of forensic medical examination in the determination of criminal offenses according to the criminal code of the R.S.F.S.R. of 1960 as "torture" or "infliction of bodily pain." V. S. Ozhderkov. Vop. pred. prest., no. 4:147-152 '66

## MEDICAL LAWS AND LEGISLATION

State norms for psychoneurological service in the light of the legislation on mental patients. I. A. Borgei. Tindy Gos. nauch.-issl. inst. psikh. 26:405-421 '61

## MEDICAL MICROBIOLOGY

Comparative evaluation of new methods to determine the degree of bacteriuria in the diagnosis of chronic pyelonephritis. A. I. Pytel', V. S. Rabinovich, V. E. Rodman. Sov. med. 29 no. 10:3-10 O '66

Experimental infection of laboratory animals by enteropathogenic Escherichia coli 0124 K72 (B17). Report No. 1. Study of the infectious process in white mice following intranasal infection. IU. E. Polotskii, V. A. Aizazon, Zhur. mikrobiol., epid. i immun. 11 no. 1:61-65 Ja '67

Sexological comparison of Leptomonas strains isolated from mosquitoes with Leishmania tropica and Leptomonas of reptiles. V. M. Saf'ianova. Med. par. i parazit. bol. 35 no. 6:686-695 N-D '66

Toward new victories. Zhur. mikrobiol., epid. i immun. 11 no. 1:3-5 Ja '67

Useful textbook of medical microbiology. L. R. Kolomoitsev. Mikrobiol. zhur. 21 no. 5:70 '62

Virability of the virulent properties of Entamoeba histolytica. M. T. Migreva. Med. par. i parazit. bol. 35 no. 6:673-676 N-D '66

## MEDICAL MICROBIOLOGY—TECHNIQUE

Characteristics of bottom cultures of Salmonella typhimurium on a semiautomatic unit in media of different composition. L. D. Shumtova. Zhur. mikrobiol., epid. i immun. 41 no. 1:54-57 Ja '67

Rapid method for determining the sensitivity of bacterial cultures to various antibiotics in liquid media. M. I. Levi, I. A. Goidzhkina, L. V. Sagatovskina. Antibiotiki 12 no. 1:57-60 Ja '67

Resistant to semisynthetic penicillins staphylococci, isolated from patients. A. N. Shneerson, S. P. Rezvan. Antibiotiki 12 no. 1:60-65 Ja '67

Study of physicochemical properties of purified tetanus antitoxin obtained from native preparations depending on varying periods of detoxication. IU. A. Khavkin and others. Zhur. mikrobiol., epid. i immun. 44 no. 1:112-117 Ja '67

Study of type F botulin by means of filtration through saphedex gel. V. K. Golshmid, I. M. Mikhailova. Zhur. mikrobiol., epid. i immun. 44 no. 1:46-49 Ja '67

Zygote induction in crosses of typing and serotyping strains of Escherichia coli. A. P. Pekhov, G. N. Polukhina. Zhur. mikrobiol., epid. i immun. 44 no. 1:31-33 Ja '67

## MEDICAL PARASITOLOGY—BIBLIOGRAPHY

see Bibliography—Medical parasitology

## MEDICAL RADIOLOGY

see Radiology, Medical

## MEDICAL SCREENING

see subdivision under Bulgaria

## MEDICAL SOCIETIES

see subdivision under Irkutsk, Omsk, North

## MEDICAL TESTS

Adrenaline and dionin test in young children. E. F. Charnokova. Sbor. nauch. trnd. SOGMI no. 10:106-112 '61

Some examinations of V. A. Valdman's cup endothelial test. V. A. Dem'ianova-Gagarina. Trudy LPMI 37:117-123 '65

Study and comparison of the cup endothelial test, diphenylamine test and content of antistreptolysinase in the active phase of rheumatic fever. S. I. Lilenko. Trudy LPMI 37:139-145 '65

## MEDICATED BATHS

see Baths, Medicated

## MEDICINE

History of the publication of S. P. Boikin's work "General fundamentals of clinical medicine." S. N. Falkova. Sov. med. 29 no. 10:153-154 O '66

Short reports. A. I. Andrukovich and others. Sov. med. 29 no. 11:132-135 N '66

Short reports. A. P. Mel'nik and others. Sov. med. 29 no. 10:145-152 O '66

## MEDICINE—ABSTRACTS

[Medical abstracts] Med. ref. zhur. sect. 1 vol. 11 no. 2 F '67, Sect. 3 vol. 11 no. 2 F '67, Sect. 4 vol. 11 no. 2 F '67

## MEDICINE—BIBLIOGRAPHY

see Bibliography—Medicine

## MEDICINE—STUDY AND TEACHING

under Na'chki, Vinnitsa

## MEDICINE, INDUSTRIAL

see subdivision under Chelyabinsk

## MEDICINE, PSYCHOSOMATIC

Specificity of neuropsychopathological syndromes in tick-borne encephalitis and hemorrhagic nephrosonephritis. I. B. Galant. Trudy Gos. nauch.-issl. inst. psikh. 26:201-205 '61

## MEDITERRANEAN SEA—MARINE SEDIMENTS

New data on structure of sedimentary formation and basements of Levant Sea. V. N. Moskalenko. Okeanologia 6 no. 6:1030-1040 '66

## MEDITERRANEAN SEA—OCEANOGRAPHIC RESEARCH STATIONS

Submarine house "Perekontin 3," G. P. Lisov. Suboceanic 56 no. 12 11-13 D '66

## MEDULLA OBLONGATA

Differentiation of reciprocal and nonspecific descending synaptic effects following stimulation of the reticular formation of the medulla oblongata. P. H. Kostin, M. M. Preobrazhenskii. Fiziol zhur [Ukr.] 12 no. 6 712-720 N-D '66

Representation of cutaneous and proprioceptive afferents in the transmitting nuclei of the medulla oblongata. H. H. Skvbo. Fiziol zhur [Ukr.] 12 no. 6 787-794 N-D '66

## MEDULLOBLASTOMA

Subarachnoid introduction of colloidal Au<sup>198</sup> in preventing metastatic medulloblastomas. E. I. Kandel', F. M. Liass, I. U. Filatov. Med rad 7 no. 10 21-25 O '62

## MEDUSAE, FOSSIL see subdivision under Sayan Mountains

## MEETINGS

Efficient registration, careful preparation and a businesslike approach. K. Shetovyi. Sots trud 12 no. 2, 90-93 F '67

## MEIER, KONSTANTIN IGNAT'EVICH, 1881-1905

Conference dedicated to Professor K. I. Meier. L. V. Kudriashov. Vest. Mosk. univ. Ser. 6: Biol., puchb. 21 no. 5:125-126 S-O '66

## MELONS

Watermelons, melons, and pumpkins. M. M. Shakh. Zashch. sel'skhoz. prod., no. 11 55-3 of colci N '66

## MELTING POINTS

Feasibility diagram of the system KCl - KBr. V. I. Mikhoeva, S. V. Zapol'skii. Dokl. AN SSSR 171 no. 4 872-873 D '66

Maximum melting curve of tellurium. S. M. Silshov, N. A. Tikhomirova, E. I. U. Tonkov, Pis'v. red. Zhur. eksper. i teoret. fiz. 4 no. 5 161-164 S '66

Melting of potassium superoxide. A. B. Tsentsepa, T. L. Rogozhnikova. Izv. AN SSSR. Ser. khim. no. 1-195-197 Ja '67

## MENANDER, OF ATHENS

"The Sighonian," a play by Menander. I. M. Franskii. Vest. drev. ist. no. 4 54-67 '66

## MENINGES—TUBERCULOSIS

Characteristics of the clinical course of tubercular meningitis treated with streptomycin. R. M. Postavskii. Trudy Turk nauch.-issl. inst. khim., kur. i fiz. metod. lech. 8 126-133 '65

## MENINGITIS

Abcess of the nasal septum complicated by meningococcal encephalitis. E. D. Listiyev. Zhur. ush., nos i gorl. bol. 19 no. 6 75-76 N-D '59

Clinical aspects of arachnitis of the brain. A. M. Shvarts. Trudy Gos. nauch.-issl. inst. psikh. 26 243-251 '61

## MENSURATION

Malikov, S. F., and N. I. Turin. [Introduction to metrology.] Vvedenie v metrologiu. Izd. 2., ispr. i dop. Pod red. K. P. Shirokova. Moskva, Izd-vo Standartov, 1966. 247 p. (Biblioteka metrologa)

Pustovalov, G. E., and E. V. Talalaeva. [Simple physical measurements and their adjustment.] Pirosteshle fizicheskie izmereniia i ikh obrabotka. [Moskva] Izd-vo Mosk. univ., 1967. 154 p.

Zaidel', A. N. [Elementary estimates of measurement errors.] Elementarnye otsenki oshibok izmerenii. Izd. 2., ispr. i dop. Leningrad, Nauka, 1967. 87 p.

## MENTAL DEFICIENCY

Immunological reactivity of the body in schizophrenia and oligophrenia. N. V. Vasil'ev, B. N. Shmidt. Trudy Gos. nauch.-issl. inst. psikh. 26:63-72 '61

## MENTAL FATIGUE see Fatigue, Mental

## MENTAL HYGIENE

Kantorovich, N. V. [Sketches on mental health and mental disorders.] Ocherki o zdorovoi i bol'noi psikhike. Izd. 2., dop. i perer. Tashkent, Meditsina, 1966. 163 p. (DNLN)

## MENTAL ILLNESS

(See also subdivision under Bashkirtia; Tomsak)

Kantorovich, N. V. [Sketches on mental health and mental disorders.] Ocherki o zdorovoi i bol'noi psikhike. Izd. 2., dop. i perer. Tashkent, Meditsina, 1966. 163 p. (DNLN)

Mental disorders in acute bacillary dysentery. I. U. F. Prienski. Trudy Gos. nauch.-issl. inst. psikh. 26:276-283 '61

Mental disorders in hemorrhagic encephalitis. A. S. Timofeeva. Trudy Gos. nauch.-issl. inst. psikh. 26:206-214 '61

Mental disorders in infectious diseases. M. A. Gotdenberg. Trudy Gos. nauch.-issl. inst. psikh. 26:154-167 '61

Mental disorders in rheumatic fever. M. A. Gotdenberg, A. S. Timofeeva. Trudy Gos. nauch.-issl. inst. psikh. 26 211-221 '61

Mental stress and mental disorders: from data of foreign literature. M. Rogovin. Zhur. nevrol. i psikh. 62 no. 11 1731-1740 '62

Neural and psychic disorders in brucellosis. S. A. Volpanski, L. Kh. Beiger. Trudy Gos. nauch.-issl. inst. psikh. 26 259-266 '61

Sleep therapy in mental diseases. E. K. Dubovtseva, A. G. Ankeeva. Trudy Gos. nauch.-issl. inst. psikh. 26 91-95 '61

Variability of mental diseases causing changes in hospital construction. V. P. Kushalev. Zhur. nevrol. i psikh. 62 no. 11 1723-1730 '62

Vegetative disturbances in infectious diseases with mental disorders. M. A. Gotdenberg. Trudy Gos. nauch.-issl. inst. psikh. 26 168-171 '61

## MENTALLY ILL CHILDREN

Acute influenza psychoses in children during the outbreak of influenza according to data of 1957. F. K. Zefirova, M. G. Ushanova. Trudy Gos. nauch.-issl. inst. psikh. 26 237-242 '61

## MENTALLY ILL CHILDREN—CARE AND TREATMENT see subdivision under Siberia

## MENTHOL

Composition and optical rotation of products yielded by catalytic conversion of l-menthol. E. I. Klubunovskii, L. F. Gudunova, A. A. Balandin. Kin. i kat. 7 no. 6:1020-1024 N-D '66

## MEROPAMITE—SIDE EFFECTS

Severe complication following premedication with anaxin. M. G. Natanson, T. V. Savchenko. Sov. med. 30 no. 1 117-121 Ja '77

## MERCANTILE BUILDINGS

(See also subdivision under Moscow)

New designs for rural commercial buildings. L. Barenbom, V. Muzykhin. Arkh. i st. SSSR, no. 1-49-51 '67

## MERCANTILE BUILDINGS—DESIGN AND CONSTRUCTION see subdivision under Leningrad

## MERCAPTANS see Thiols

## MERCAPTO COMPOUNDS

Amount of sulfhydryl compounds in plant tissues. Z. A. Metelchenko. Uch. zap. CGU no. 50:101-117 '69

## MERCHANT MARINE

Based on progressive methods. I. Afanas'ev. Mor. flot 27 no. 1:11-12 Ja '67

For new successes in the anniversary year. T. Gushenko. Mor. flot 27 no. 1:2-4 Ja '67

Soviet merchant marine: the most important contributions of the party and the government in 1923-1932. Mor. flot 27 no. 1:5 Ja '67

Stages of a tortuous path. B. Shabunin, M. Nikitin. Mor. flot 27 no. 1:6-8 Ja '67

## MERCHANT MARINE—LABOR PRODUCTIVITY

Kulandin, P. I. [Potentialities of increasing labor productivity in the merchant marine.] Rezervy povysheniia proizvoditel'nosti truda na morskoi fote. Pod red. R. S. Reza. Moskva, Transport, 1966. 68 p. (Ekonomika i ekspluatatsiia morskogo transporta)

## MERCHANT MARINE—MANAGEMENT

Basic principles of the new economic reform and their realization. L. T. Ustskii. Mor. flot 27 no. 1:20-21 Ja '67

Take into consideration the requirements of the new management system. M. Baibinskii. Mor. flot 27 no. 1:15-16 Ja '67

## MERCHANT SEAMEN

Successes inspire. M. Markochev, S. Solkht. Rech. transp. 20 no. 7:2-4 Ji '61

## MERCHANT SHIPS—PASSENGER ACCOMMODATION

Improve the quality of passenger transportation. P. Khatov, M. Makeev. Rech. transp. 20 no. 7:8-9 Ji '61

## MERCURY

(See also subdivision under Donets Basin)

Gavze, M. N. [Interaction between mercury and other metals and alloys.] Vzaïmodel'stvie rtuti s metallami i splavami. Moskva, Nauka, 1966. 157 p.

## MERCURY—ANALYSIS

Fractional method of determining mercury in biological material. V. D. Abloshkin. Farmatsevt. zhur. 18 no. 3:68-71 '63

## MERCURY ACETATES

Mercuric oxide trichloroacetate. F. K. Votichko, L. A. Nikonova, G. K. Semlin. Izv. AN SSSR. Ser. khim. no. 1, 84-87 Ja '67

## MERCURY-ARC RECTIFIERS—TESTING

Reliability tests of large power rectifiers with mercury cathodes. S. M. Sirota, A. I. Stupel'. Elektrichestvo no. 1:68-72 Ja '67

## MERCURY-GALLIUM ALLOYS—ELECTRIC PROPERTIES

Studying the electric diffusion of tin and mercury in their alloys with gallium. V. A. Mikhailov and others. Izv. inst. metallov. 22 no. 6:871-875 D '66

## MERCURY-GERMANIUM ALLOYS see Germanium-mercury alloys

## MERCURY ORES

(See also subdivision under Rostov Province)

Some peculiarities in the formation of halos of direct ore indicators around mercury deposits. V. P. Ledenyuk. Geokhimiia no. 10 911-919 '61

Zonal development of antimony-mercury mineralization. G. M. Utekhin, I. B. Belous. Zap. Vses. khim. obshch. 11 no. 6:665-673 '66

## MERCURY ORGANIC COMPOUNDS see Organomercury compounds

## MERCURY OXIDES

Change of surface, dispersity, and rate in the course of thermal dissociation of mercury oxide in a vacuum. E. A. Podan, L. A. Dvinskii, M. M. Pavluchuk. Dokl. AN BSSR 10 no. 11 877-880 N '66

## MERI, LENNART

Call of the earth. A. Turkev. Nov. mir 42 no. 7:251-252 Ji '66

## MERINO SHEEP see subdivision under Kazakhstan

## MESENTERY—DISEASES

Lymphogranulomatosis of mesenteric lymph nodes stimulating inoperable cancer of the ovary. A. A. Rossoshanskii. Vop. onk. 13 no. 1 93-93 '67

## MESIATSEV, IVAN ILLARIONOVICH, 1885-1940

I. I. Mesiatsev's life and scientific work. A. D. Simoniin. Trudy VNIRO 60:11-18 '66

## MESONS

Calculating the mass difference of K<sub>1</sub> and K<sub>2</sub> mesons. A. I. Vainshteyn, I. B. Kluplovich. Pis'v. red. Zhur. eksper. i teoret. fiz. 5 no. 2:70-73 Ja '67

Electroproduction of  $\pi$ -mesons and axial current. A. I. Vainshteyn, V. S. Sokolov, I. B. Kluplovich. Pis'v. red. Zhur. eksper. i teoret. fiz. 4 no. 6:103 10n S '66

Neutron scattering by protons and stimulation of meson-meson interaction. V. S. Gusev. Sov. fiz. Zhur. SSR 44 no. 2:285-288 N '66

Resonance solution of a system of equations for scattering amplitudes of charged  $\pi$ -mesons at small values of  $p$ -parameter. E. P. Vedenev, N. P. Zhidkov. Vysh. shkol. i prog. 5:146-161 '66

[Search for a nucleon isobar at  $T=5/2$  in  $\pi$ - $n$ -interactions.] Polski nukleon izobary S  $T=5/2$  v  $\pi$ - $n$ -vzaimodel'stviakh [By] V. F. Vishnevskii i dr. Dubna, 1967. 5 p

Sum rule for the interaction constants of  $\pi^+$ ,  $\eta$  and  $\eta'$ -mesons. V. I. Fainberg, L. V. Likhov. Pis'v. red. Zhur. eksper. i teoret. fiz. 5 no. 2:104-107 Ja '67

## MESONS—CAPTURE

Beliaev, V. B., and R. A. Izrael'shan. [Neutron annihilation due to  $\mu$ -capture on nuclei.] K voprosy ob animatsii i neitronov na  $\mu$ -zakhvate na iadrakh. Dubna, 1967. 8 p

## MESONS—SCATTERING

[Measurement of  $\pi^+$ -scattering near 180° in a  $4 \div 7$  GeV/c beam of  $\pi^+$ -mesons.] Izmereniia razrazaniia vblizi 180° v puchke  $\pi^+$ -mezonov s impul'sami  $4 \div 7$  GeV/c [By] B. A. Kulakov i dr. Dubna, 1967. 10 p.

## MESOTHELIUM—MICROBIOLOGY

Multiplication of toxoplasma in peritoneal mesothelium. M. A. Lidska, D. N. Zaslukhin. Biol. eksper. biol. med. 63 no. 1:61-63 Ja '67

## METABOLISM

Age-related changes in the metabolism of calcium. V. M. Koropov, N. M. Noskov. Vest. sel'skhoz. nauki 11 no. 12: 69-72 D '66

Biological processes of the decarboxylation of oxaloacetic acid. N. K. Nagradova. Usp. sov. biol. 52 no. 1:1-11 Ji-Ag '61

Comparative characteristics of metabolism in muscles. S. P. Meitnov. Zhur. mikrobiol., epid. i immun. 43 no. 1:22-26 Ja '67

Gas filtration method for studying external metabolism in marine unicellular algae cultures. Z. P. Barakova, M. P. Khatov, L. A. Lanekala. Gidrobiol. zhur. 2 no. 9:21-34 '66

Metabolism in Escherichia coli and Staphylococcus aureus variants produced under different conditions of cultivation. I. U. Kulish. Mikrobiologiya 35 no. 6:994-1007 N-D '66

Some indices of the metabolism of the rumen in young cattle in connection with the rate of urea and sodium sulfate. P. S. Khushchova. Vest. AN BSSR. Ser. sel'skhoz. nav. no. 4:78-83 '66

Study of constructive metabolism of sulfate-reducing bacteria by using CM. I. U. Sorokin. Mikrobiologiya 35 no. 6:987-987 N-D '66

## METABOLISM, DISORDERS OF

Diseases of the cardiovascular and nervous systems and metabolic diseases, papers by doctors and consultants of therapeutic and prophylactic institutions of the Administrative Office of the Academy of Sciences of the U.S.S.R. | Zabolovanna serdtshechno-sosudistoi, nervnoi sistem i bolezni obshchego vslezhiv, raboty vrachei i konsultantov techebno-profilakticheskikh uchrezhdenii upravleniia delami AN SSSR, Moskva, Nauka, 1966, 290 p.

(D.M.I.M)

Effect of hypothermia on some indices of the metabolism in operations with artificial blood circulation. A. V. Pogozova, I. U. Babitska, T. A. Babinova. Gruz. khim. 9 no. 1:56-62 Ja-F '67.

Effect of intragastric administration of oxygen on some metabolic indices in acute experimental toxic hepatitis. V. I. Uspekshil. Bliz. eksp. biol. i med. 63 no. 1:53-55 Ja '67.

Mental and vegetative metabolic disorders in brucellosis. Z. A. Kopylov. Izv. Nauch. Inst. Inst. psikh. 26:252-259 '61.

METAL BUILDING see Building, Metal

## METAL CLEANING

Unit for zone cleaning of high-melting metals. V. K. Popov, B. A. Popovich. Tekh. obr. mat. no. 1:88-95 '66.

## METAL CLEANING—EQUIPMENT AND SUPPLIES

New method of mechanically removing scale and rust from metal surfaces. V. S. Sukhodolov. Stal. 21 no. 11:1098-1012 N '66.

## METAL CRYSTALS

Scattering in ferromagnetic crystals containing impurities with negative exchange linkage. I. U. A. Isumov, M. V. Medvedev. Fiz. met. i metalloved. 22 no. 6:801-803 D '66.

## METAL CRYSTALS—ELECTRIC PROPERTIES

Studying the thermoelectricity of deformed metals. S. D. Gerasimov, M. M. Novikov. Ukr. fiz. zhur. 1 no. 5:642-653 S-O '59.

## METAL CRYSTALS—GROWTH

Growth and some properties of filamentary metal crystals (whiskers). D. M. Ovchinnikov. Ukr. fiz. zhur. 1 no. 5:517-561 S-O '59.

Studying the mechanism of double twin propagation in metals. V. P. Soldatov. Fiz. met. i metalloved. 22 no. 6:924-930 D '66.

## METAL CUTTING

Concept and calculation of the rigidity of the technological system machine tool-attachment-tool-part. A. N. Gerasimov, I. U. A. Tolstikov. Stal. i kach. 10 no. 11:59-62 N '66.

Efficiency of the mechanization of collection and removal of chips. I. A. E. Lavtina, P. I. Petrovich. Prom. stroit. 10 no. 2:27-28 F '67.

Investigating the wearability of cutting tools in copying machining. A. Baulin, Prom. Arm. 9 no. 11:33-34 '66.

Machining high-manganese steel G11. S. N. Mironenko, N. S. Melnikov. Tekh. i org. proizv. no. 6:38-40 N-D '66.

Machining high-strength cast iron. N. P. Golubov. Tekh. i org. proizv. no. 6:36-38 N-D '66.

Machining key seats. A. Ligazarian. Prom. Arm. 9 no. 11:20-22 '66.

Machining of radial openings of the stators of horizontal hydraulic turbines. K. S. Chuprin. Izv. gosmashinostroyeniia 22 no. 11:41-42 N '66.

Machining stainless steel Kh18Ni9Ti. L. A. Khvorostukha, N. V. Pleshchinskaya, V. N. Blinov. Bliz. khim. i okon. inform. Gos. nauch. inst. inst. nauch. i tekhn. inform. 10 no. 1:24-56 D '66.

Turidov, N. A. [New methods of metal machining] Met. obrabotka obrabotki metall. [Moskva] Mosk. rabochii 1960, 70 p.

## METAL-CUTTING TOOLS

Having tools and insertion pieces with micrometric regulation. V. M. Khudolozhkov. Tekh. i org. proizv. no. 6:31-32 N-D '66.

Ceramic cutting tools with specially shaped front surface. I. I. Lashin, V. E. Shmatov. Bliz. khim. i okon. inform. Gos. nauch. inst. inst. nauch. i tekhn. inform. 10 no. 11:39-42 N '66.

Design of cutting tools for machining on copying lathes. V. A. Ushakov. Stal. i kach. 38 no. 1:33-35 Ja '67.

Development of the design and use of high-efficiency milling cutters. G. I. Anshkin. Stal. i kach. 37 no. 12:38 D '66.

Hard-alloy cutters with walled tips for machining T-shaped slots. I. N. Frolova, M. S. Belosova. Tekh. i org. proizv. no. 6:30-31 N-D '66.

High-frequency building-up of cutting tools with sintered hard alloy. P. G. Kuz'menko, A. I. Kirillov. Tekh. i org. proizv. no. 6:32-34 N-D '66.

Machine for gas cutting of corrugated metal sheets in roller hemispheres. F. Klonushin. Ryb. prom. no. 33:27-32 '60.

Modernization of Nagomo (Kirkins) form cutters. N. Shirokolev, V. Peregudin, N. Trusov. Ryb. prom. no. 53:54-62 '60.

Performance parameters of metal-cutting tools. I. A. Malin. Stal. i kach. 37 no. 12:23-24 D '66.

Use of automatic rotary cutters. I. G. Kononov, I. L. Tarakanov. Dokl. AN SSSR 10 no. 11:819-822 N '66.

Wear and adjustment of cutting tools in boring machines. Z. I. Kushnir. Stal. i kach. 38 no. 1:31-33 Ja '67.

## METAL-CUTTING TOOLS—COOLING

Klusha, M. I., ed. [Using lubrication and cooling fluids in metal cutting] Voprosy primeneniia smazochno-ozhizhushchikh zhidkostei pri rezanii metall. sbornik statei. Ivanovo, Ivanovskii tekhn. in-t, 1965, 179 p.

## METAL-CUTTING TOOLS—STANDARDS

Gear wheel cutters. Stal. i kach. 38 no. 11:78 N '66.

Hard-alloy tips for cutting tools. N. F. Loginsvskaya. Stal. i kach. 38 no. 11:79 N '66.

Russia (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Finishing gear cutters for shafts and holes of slot joints having an involute profile] Dobitaki zabornoie chistotye dlia valov i otverstii shifitsykh soedinenii s svoi'vlenim problem. GOST 6762-65. Izd. ofitsial'noe, Moskva [Izd-vo Standartov] 1965, 24 p. (SSSR, Gosudarstvennyi standart)

## METALS

Adsorption of indium, cobalt, and zinc ions from acetone on the surface of graphite, germanium, silicon, and quartz. V. S. Solov'ev, M. I. Kuznetsov. Radiotekhnika no. 6:681-692 '66.

Adsorption of metal ions from H<sub>2</sub>O, H<sub>2</sub>O<sub>2</sub>, and KOH on the surface of p-n germanium and silicon junctions. B. S. Solov'ev, A. S. Bolonovskii, A. D. Tikhonenko. Radiotekhnika no. 6:617-621 '66.

## METAL POWDER PRODUCTS

Magets from powdered metal ceramic using the products of mechanical treatment of cast-iron metal. A. I. Tolstikov, V. L. Solov'ev. Izv. vuz. ucheb. zav., elektromekh. 9 no. 12:1114-1117 '66.

## METAL POWDERS

Investigating vibratory compaction of hard-alloy powders. I. P. Tarasovskii, V. V. Ivashchenko. Tekh. mashinost. no. 1:81-86 '66.

Preparation of zinc powder by electrolysis of zinc hydride alkaline pulp. V. A. Shormanov, T. I. Kuntia. Izv. vuz. ucheb. zav., khim. i khim. tekhn. 9 no. 5:779-801 '66.

## METAL POWDERS—MAGNETIC PROPERTIES

Magnetization of finely dispersed particles of Fe-Co alloys. I. A. Beigun, M. A. Sigal. Fiz. met. i metalloved. 22 no. 4:529-537 O '66.

## METALLIC FILMS

Electric and optical properties of titanium dioxide films. T. S. Tiavina, I. U. A. Mukhin. Izv. vuz. ucheb. zav., fiz. 9 no. 6:774-80 '66.

## METALLIC FILMS—ELECTRIC PROPERTIES

Magnetic and electric properties of iron gadolinium films. A. A. Nedel'ko, V. A. Buzavichin. Izv. vuz. ucheb. zav., fiz. 9 no. 6:155-158 '66.

## METALLIC FILMS—MAGNETIC PROPERTIES

Dependence of coercive force in thin ferromagnetic films on certain factors. K. A. Eglina, R. G. Arulman. Fiz. met. i metalloved. 22 no. 4:556-562 O '66.

Magnetoelectric interaction in thin magnetic films. V. A. Ignatenko, E. V. Kur'mina. Fiz. met. i metalloved. 22 no. 4:623-624 O '66.

## METALLIC FILMS—OPTICAL PROPERTIES

Study of the optical properties, structure and phase composition of lead sulfide and selenide layers. G. D. Volvovich and others. Opt. i mekh. prom. 33 no. 12:9-12 D '66.

## METALLIC FILMS—THERMAL PROPERTIES

Thermal processes in thin films. I. U. A. Volokobinski and others. Dokl. AN SSSR 172 no. 1:83-86 Ja '67.

## METALLIC FILMS—THERMODYNAMICS

Thermodynamic properties of thin superconductive films. D. A. Kirzhits, E. G. Mokshinov. Fiz. met. i metalloved. 22 no. 4:520-528 O '66.

METALLIC ORGANIC COMPOUNDS see Organometallic compounds

## METALLIC OXIDES

Contribution of crystalline field effect to oxygen energy bonding in oxides with spinel structure. N. N. Bulgakov, I. U. A. Borisov. Kin. i kat. 7 no. 8:1007-1014 N-D '66.

Effect of additions of lithium and beryllium oxides on the kinetics of lead dioxide reduction by hydrogen. A. V. Ermolov, G. A. Kasova. Trudy TGU 165 28-31 '65.

Effect of additions on the kinetics of iron catalyst oxidation. Part I. M. M. Lebedeva, A. I. Rozovskii, F. V. Koronovskii. Kin. i kat. 7 no. 6:1052-1059 N-D '66.

## METALLOGRAPHY

Krupitskii, B. A. [What a heat treatment technician should know] Chto dolzhen znat' termist. [Leningrad] Lenzdat, 1966, 190 p.

[Studying defects in the crystal structure of metals and alloys] Izucheniye defektov kristallicheskogo stroeniia metall. i spavov. Kiev, Naukova dumka, 1968, 145 p. (Respublikanskii mezhdovedstvennyi sbornik. Seriya Metallofizika)

## METALLURGICAL ANALYSIS

Distribution of sulfur between the charge mixture and products of smelting in a blast furnace. G. A. Volovik. Stal. 21 no. 11:967-971 N '61.

Kovalenko, P. N., and K. N. Bagdasarov. [Physicochemical methods of analysis, practical textbook] Fiziko-khimicheskie metody analiza; prakticheskoe rukovodstvo. 2. Izd., ispr. i dop. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1965, 383 p.

METALLURGICAL LABORATORIES see subdivision under Gomicl

METALLURGICAL LABORATORIES—DESIGN AND CONSTRUCTION see subdivision under Donetsk

## METALLURGICAL PLANTS

(see also subdivision under Nizhny Tagil, Siberia, Western)

Roasting building of an iron ore dressing plant. Z. SH. Komarovskii. Prom. stroit. 39 no. 12:18-21 '61.

## METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

(see also subdivision under Kachkvar, Sverdlovsk Province; Nizhny Tagil; Ural Mountain region)

Planning of ore dressing plants and stage treatment processes. M. M. Poliakov. Tsvet. met. 33 no. 3:4-9 Mr '60.

## METALLURGY—CONGRESSES

Soveshchaniye po eksperimental'noi tekhnike i metodam vysokotemperaturnykh izmerenii. 2d. [Experimental techniques and methods of high-temperature measurements; transactions] Eksperimental'naia tekhnika i metody vysokotemperaturnykh izmerenii, [trudy]. Moskva, Nauka, 1966, 234 p.

## METALLURGY—QUALITY CONTROL

Ferromagnetic probe coercive force meter for quality control of heat treatment. V. M. Tiansov, I. U. A. Babashov, T. V. Mit'man. Defektoskopiia 2 no. 5:102-106 '66.

## METALS

Beinelds, Valdis. [Materials used in the machinery industry] Masinuve lietojamie materiail. Riga, Liesma, 1966, 90 p. (Jauna stradinieka biblioteka) [in Latvian]

Kornilov, I. I., and others. [Metallochemical properties of the elements of periodic system, monograph and reference book] Metallokhimicheskie svoistva elementov periodicheskoi sistemy, monografiia-spravochnik. Moskva, Nauka, 1966, 350 p. (inset)

Mechanism of polydimethylsiloxane thermal stabilization by titanium and iron compounds. S. R. Rafikov and others. Dokl. AN SSSR 171 no. 6:1352-1354 D '66.

Metal content in petroleum preparation plants. I. N. Rybachkov. Neft khoz. 14 no. 12:19-52 D '66.

[Physical properties of extra-pure metals and semiconductors] Fizicheskie svoistva osobo chistykh metall. i poluprovodnikov. Tashkent, Fan, 1966, 145 p.

Studying the stability of sunflower seed oil in the presence of heavy metal salts. S. S. Kondratenko, I. A. Ponomarev, G. Lashchuk. Masl. zhiti. prom. 33 no. 1:8-10 Ja '67.

Theory of mass transfer in solid metals. M. D. Il'inchuk. Ukr. fiz. zhur. 4 no. 5:684-685 S-O '50.

## METALS—DEFECTS

Calculating the magnetoelastic field of surface defects. Part II. Topography of the field of defect models. N. N. Zakharenko, V. E. Shchepilin. Defektoskopiia 2 no. 5:50-58 '66.

## METALS—FATIGUE

Efficient loading of metals in securing lasting durability. L. V. Kononov. Vost. mashinost. 47 no. 1:12-15 Ja '67.

Elastic-plastic deformation of the EI-437B alloy in connection with thermal fatigue. S. V. Seisen, P. I. Kotov. Teploenergetika 7 no. 8:60-66 Ag '60.

## METALS—HARDENING

Temperature dependence of the electrical resistance maximum in the aging of aluminum alloys. I. U. A. Paskal'. Izv. vuz. ucheb. zav., fiz. 9 no. 6:130-132 '66.

Theory of strain hardening of metals with a face-centered cubic lattice. A. L. Rofburd. Fiz. met. i metalloved. 22 no. 6:945-947 D '66.

Work hardening of the grooves of turbine rotors. B. I. Aleksandrov. Energomaashinostroyeniie 6 no. 9:32-34 S '60.

## METALS—HEAT TREATMENT

Krupitskii, B. A. [What a heat treatment technician should know] Chto dolzhen znat' termist. [Leningrad] Lenzdat, 1966, 190 p.

## METALS—OSCILLATIONS

Oscillation dependence of the surface resistance of a metal on a weak magnetic field. M. S. Khalkin. Pis'ma v Zhur. ekiper i teoret. fiz. 4 no. 5:104-109 S '66.

## METALS—OXYGEN CONTENT

Use of a hot hollow cathode for spectral-isotopic determination of gases in metals. R. A. Zolotarev, G. S. Lyubimov, A. A. Petrov. Vest. I GU 21 no. 22 38-40 '66

## METALS—PICKLING

New technical inhibitors of acid corrosion of metals. A. S. Afanas'yev and others. Tekhn. i org. proizvod. no. 6 73-75 U-D '66

Studying the process of jet pickling of steel in iron chloride and sulfate solutions. R. A. Mathevskaia, V. P. Bazhenin. Lakotras. met. i khim. no. 6 33-36 '66

## METALS—STORAGE

Arrangement of metal storage. A. G. Lyubimov. Mashinostroitel' no. 1, 43-45 Ja '67.

## METALS, EFFECT OF TEMPERATURE ON

Compensation method of testing thermomechanical sensitive elements. A. V. Usul'tsev, N. F. Platonova. Trudy NIIGMP no. 16 66-71 '66

Estimating possibility of damage to commercial iron in the process of fatigue testing at 20°-300°C. M. G. Lozanskii, A. N. Romunov. Izv. AN SSSR. Met. no. 1:122-128 Ja-F '67

Study of carbide precipitation processes during the quenching of hardened chromium steel with 0.5% C and 12% Cr. Z. K. Kos'ka. Dop. AN URSSR. no. 7 910-912 '62

## METALS, RARE AND MINOR

See subdivision under Altai Mountains; Karelin, Lovozero Tundra; Transbaikalia, Vishnevaya Mountain

## METALS AT LOW TEMPERATURES

Gudkov, S. I. [Mechanical properties of steel at low temperatures; a handbook] Mekhanicheskie svoystva stal' pri nizkikh temperaturakh, spravochnik. Moskva, Metallurgiya, 1967. 266 p.

Studying mechanical properties of certain titanium alloys at low temperatures. I. I. Kornilov and others. Izv. AN SSSR. Met. no. 1 160-161 Ja-F '67

## METALS IN THE BODY

Determination of potassium and sodium in the myocardium in death caused by acute cardiac insufficiency. M. M. Khalil. Sud.-med. ekspert. 9 no. 4 20-22 O-D '66

## METALWORK

Applicability limits of the slip line method in pressure working of metals. V. S. Smirnov, V. A. Lunin. Trudy LPI no. 260 43-45 '65

Combination of the processes of cold extrusion, reduction, and upsetting in the machinery industry abroad. A. V. Kononov. Avi. prom. 32 no. 12-43 D '66

Soyeshchaniye po avtomatizatsii protsessov mashinostroyeniya, 4th, 1964. [Automation of processes of welding and pressure working of metals, transactions] Avtomatizatsiya protsessov svarki i obrabotki davleniem; [trudy]. Moskva, Nauka, 1966. 250 p.

## METALWORK—HANDBOOKS, MANUALS, ETC.

[Handbook for a technologist, manual for technologists of the founding, forging and welding departments] Spravochnik tekhnologa, posobie dlia tekhnologov litnykh, kuznechnykh i svarochnykh isekhov. [By] M. Baranovskii i dr. Minsk, Belarus', 1966. 551 p.

## METALWORKING LUBRICANTS

Klushin, M. I., ed. [Using lubrication and cooling fluids in metal cutting] Voprosy primeneniia smazochno-ohladzhatel'skikh zhidkostei pri rezanii metallov; sbornik statei. Ivanovo, Ivanovskii tekhnicheskii in-t, 1965. 179 p.

Structure and properties of dispersions of sodium soaps of saturated carboxylic acids in hydrocarbon oils. V. V. Sintayn, E. V. Aleeva, I. L. Ischuk. Dokl. AN SSSR 167 no. 2:395-398 Nr '66

## METALWORKING MACHINERY

Calculating rollers for rolling spines by the rounding method. I. G. Proskurnikov, B. A. Mel'nikov. Stal' i instr. 38 no. 1 21-26 Ja '67

## METALWORKING MACHINERY—MAINTENANCE AND REPAIR

See subdivision under Ukraine

## METAMORPHISM (GEOLOGY)

(see also subdivision under Gieseler Range region) Averaging of the chemical composition of rocks in a contact metamorphism. D. V. Rundkysii, V. K. Denisov. N. E. Chistiakov. Zap. Vses. min. ob-va 90 no. 1:12-26 '61

Semenenko, N. P. [Metamorphism of mobile zones] Metamorfizm podviznykh zon, 2, dop. i perer. izd. Kiev, Naukova dumka, 1966. 290 p.

Theory of contact thermomelamorphism in rocks. G. S. Kravtsov. Trudy TGU 164:118-120 '63

## METASOMATISM

(see also subdivision under Baldin Lake region; Caucasus, Northern)

Rudnik, V. A. [Atomic volumetry as applied to metasomatic formation of minerals and rocks] Atomno-ob'emyi metod v primeneniakh metasomaticheskoi mineralogii porodoobrazovaniia. Leningrad, Nedra, 1966. 117 p.

## METASOMATITE

Relationship between the parageneses of alkali metasomites in aluminosilicates impoverished by the presence of chlorine in rocks and the potential of alkalis. A. S. Pavlenko, V. I. Kovalenko. Geokhimiia no. 11 980-987 '61

## METASTASIS

Cervical metastases of cancer of the larynx and their treatment by a combined method. M. G. Baizadina. Zhur. onk. i gort. bol. 19 no. 4 62-64 Ja-Ag '59

State of regional metastases in cancer of the cervix uteri in the second stage following combined radiotherapy. E. B. Rozentul, G. M. Soroka. Vop. onk. 13 no. 1 81-83 '67

Subarachnoid introduction of colloidal Au<sup>198</sup> in preventing metastatic medulloblastomas. E. I. Kandell, F. M. Liase, I. U. M. Filatov. Med. rad. 7 no. 10:21-25 O '62

Use of lymphography in the determination of radiation changes and metastatic lesions of the lymphatic system of the pelvis. D. E. Vishnevskina, E. V. Tushnikova. Vop. onk. 13 no. 1:32-38 '67

## METEORITES

Comparative data on the determination of elasticity of stone meteorites and certain rocks. K. M. Aleksieleva, V. V. Kravets. Geol. zh. 21 no. 3 69-73 '61

Nuclear reactions in iron meteorites. A. P. Vongradov, A. K. Lavrukhina, L. D. Revina. Geokhimiia no. 11 955-956 '61

## METEOROLOGICAL INSTRUMENTS

Calculation of integral values from currents and voltages in linear electric circuits. I. P. Afanogenov. Trudy GGO no. 190:111-116 '66

Equalizing elements for impulsive schemes (bridges) with scanning conversion. V. A. Iur'chuk, A. A. Gulinov. Trudy NIIGMP no. 15:121-128 '66

Errors in measuring obliquity limit of visibility by method of equal angles. M. A. Gol'berg. Trudy NIIGMP no. 15:32-39 '66

Integral rhumbometer. V. I. Torochkov. Trudy NIIGMP no. 15 3-6 '66

International comparison of ozonometric devices of U.S.S.R. and German Democratic Republic in Tashkent. G. P. Gushchin. Trudy GGO no. 184 35-40 '66

Logical and switching circuits using switching diodes and ferrites with rectangular hysteretic loop. V. F. Melokhin, I. V. Melokhina. Trudy GGO no. 189 163-169 '66

Method for increasing accuracy of switching high-resistance pickups. L. M. Persin, S. M. Persin. Trudy GGO no. 190 78-88 '66

Methodology and results of network calculation based on principle of distribution of current in wide temperature range. V. G. Kolesov, N. I. Radomysheva. Trudy GGO no. 190 117-135 '66

Methodology of calculation of bimetallic sensitive elements. K. N. Manuilov, R. L. Binder. Trudy NIIGMP no. 15:28-31 '66

Optimum algorithms of decoding redundant codes. I. P. Afanogenov. Trudy GGO no. 189 174-180 '66

Practical realization of method for autocompensation of signal from mist. O. V. Tuptsya. Trudy NIIGMP no. 15:7-12 '66

Regulator of power supply voltage with pulsed feed of a capacitor. S. I. Grushin. Trudy GGO no. 190:178-173 '66

Thermomagnetic device for studying lower 500-meter layer of atmosphere. I. A. Pomichev, I. U. A. Kurpakov, V. P. Penomslchikov. Trudy GGO no. 189 94-100 '66

## METEOROLOGICAL OPTICS

Illuminance in Pavlovsk by sky according to corrected recordings by Kalitin-Bylov photometer. E. G. Tokmashova, I. U. D. Danilevskii. Trudy GGO no. 181 126-128 '66

Laws of distribution of nocturnal illuminance and luminosities of sky and sea. V. I. Zhuraviev, I. L. Zolmanovich, B. A. Seageev. Trudy GGO no. 184:73-84 '66

## METEOROLOGICAL SATELLITES

Satellite hunts for vicinities. A. Snitkovskii, M. Sorochinskii, B. Pshenichner. Av. i kosm. no. 1 60-63 Ja '67

## METEOROLOGICAL STATIONS

Prospects of using printed assembly in automatic meteorological stations on base of strengthened ferrite modulus. E. V. Romanov. Trudy GGO no. 190:136-140 '66

## METEOROLOGY—CATALOGS

[Catalog of meteorology and nuclear radiation data of the World Data Center B1] Kat. dan. po meteor. i iad. rad. Ja-Je '66. Publ. July 1966.

## METEOROLOGY—OBSERVATIONS

(see also subdivision under Bol'shoy Ushant's Island; Elbrus, Mount)

[Meteorological bulletin] Meteor. bul. TSIP Sep. 1956, publ. '59.

## METEOROLOGY, AGRICULTURAL

See subdivision under Azerbaijan; Kamchatka; Uzbekistan

## METEOROLOGY, AGRICULTURAL—CHARTS, DIAGRAMS, ETC.

See subdivision under Soviet Central Asia

## METEOROLOGY, MARITIME—CONGRESSES

Vsesoyuznoe soveshchaniye po morskoi meteorologii. Leningrad, 1964. [Transactions of the All-Union Conference on Marine Meteorology] Trudy Podred. N. V. Kucherova. Leningrad, Gidrometeoizdat, 1966. 119 p.

## METEOROLOGY IN AERONAUTICS

Weather forecast and flight planning. N. P. Ivanov. Av. i kosm. no. 2 25-26 F '67

## METEORS

Falko, E. I. [Radiolocation of meteors; some results of observations, theoretical and methodological problems] Radiolokatsiya meteorov, nekotorye resulyaty nauchnykh i teoreticheskikh i metodicheskikh issledovaniy. Moskva, Sov. radio, 1967. 107 p.

## METEORS—PHOTOGRAPHS

Kalasev, L. A. [Use of the photographic method in studying meteors in the atmosphere] Issledovanie meteora v atmosfere Zemli fotograficheskimi metodami. Leningrad, Gidrometeoizdat, 1966. 339 p.

## METHACRYLIC ACID

Molecular rotation in polymers. O. N. Frap. Zh. fiz. khim. 41 no. 3 1-3 L. B. Liden. Vest. I GU 21 no. 2:44-45 '61

Vulcanization of elastomers with salts of methacrylic acid. A. D. Dotskov, V. E. Mikhlin, B. A. Dogadkin. Khim. i tekhn. 26 no. 1:20-22 '67

## METHACRYLIC ACID—FATIGUE

Fatigue in fracture of transparent dielectrics. V. A. Likhachev and others. Fiz. tverd. tela 11 no. 3:117-124 N '66

## METHACRYLIC ACID—OPTICAL PROPERTIES

Light scattering and viscosity of poly- $\alpha$ -naphthyl methacrylate in benzene. V. E. Lakin, A. E. Nemtsov. Vest. I GU 21 no. 22:76-79 '66

## METHANE

Catalytic transformations of equimolar mixtures of methane and carbon dioxide. S. I. A. Kuznetsov and others. Dokl. AN SSSR 167 no. 2 350-353 Nr '66

Determining vapor content of hydrocarbon gases in air using Sh-3 mixing interferometer. M. A. Nizhnik, M. V. Ostapenko. Gaz. prom. 11 no. 12:18 '66

Using GEUK-21 and FP-1190 gas analyzers for control of methane content in gas mixture. G. A. Gerasimov. Gaz. prom. 11 no. 12 36-38 '66

## METHANOL

Catalytic interaction of nitrobenzene with methyl alcohol and dimethyl ether. N. S. Kozlov, V. Sh. Pashchuk. Uch. zap. Penz. ped. inst. 32:3-9 '66

Combustion method for determining methanol in air, air purification. V. P. Cherepanov, N. P. Ivanov, V. P. Kislov. Zhur. prikl. khim. 34 no. 6 1778-1780 '61

Radiation-catalytic transformation of methanol in the adsorption layer on silica gel samples prepared in specific surface area. V. I. Vladimirova and others. Dokl. AN SSSR 172 no. 3:629-632 Ja '67

Simple method for the quantitative determination of methyl alcohol using the Denigès reagent. M. I. Pishskii, E. D. Safononov. Zhur. prikl. khim. 11 no. 13:1378-1378 Ja '61

## METHANOL, EFFECT OF RADIATION ON

Radiation-induced oxidation of methanol. B. I. A. Pashchuk, V. V. Sarayeva. Khim. i tekhn. 26 no. 6:887-887 Nr '67

Radiolysis of aqueous sulfuric acid solutions of methyl alcohol. G. I. Sibitskaya, A. K. Pikaev. Izv. AN SSSR Ser. khim. no. 1:100-102 Ja '67

## METHOD OF STUDY

See Study, Method of

## METHYL ETHER

Catalytic methylation of amines with dimethyl ether. N. S. Kozlov, I. A. Shur, G. I. Bel'tukov. Uch. zap. Penz. ped. inst. 32:19-43 '65

## METHYL GROUP

Mobility of hydrogen atoms in methyl group of methyl ketones of the metalocene series. N. V. Kishineva, V. A. Setkina, D. N. Kuznetsov. Izv. AN SSSR Ser. khim. no. 1:31-38 Ja '67

Shape of nuclear magnetic resonance line of interacting methyl groups in crystals. O. P. Revokator. Vysokomol. Soedin. 9 no. 6:604-604 Nr '67

## METHYLAMINE, EFFECT OF RADIATION ON

Transformations of free radicals under the effect of light in  $\gamma$ -irradiated methylamines. G. V. Tikhonov, A. G. Kotov, S. I. A. Pshchetskii. Dokl. AN SSSR 171 no. 6:1380-1383 D '66

## METHYLENE BLUE

Spectrophotometric study of the interaction of cerium ions with methylene blue in alkaline medium. A. A. Kochan, V. A. Pionenko. Zhur. neorg. khim. 12 no. 1:156-158 Ja '67

Use of methylene blue for amperometric determination of tin and titanium. N. N. Kuz'mina, T. A. Nikul'skaya, M. G. Iartsev. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:700-712 '66

## MCA

(see also subdivision under Transbaikalia; Ukraine)

Increasing the efficiency of geophysical prospecting for radioactive pegmatite veins. S. A. Litgen'ki. Razved i obn. ned. 26 no. 8-13-37 Ag '60.

Structural characteristics of mixed layered ion matts on lignite in polar zone absorption by vacuumation and its loss from matts. I. S. D'ukonov. Zap. Vses. min. obshch. 45 no. 6-90-609 '66

## MCA CRYSTALS—DEFECTS

Amorizing of truel from fragments of spontaneous fission of uranium in mica crystals and glasses. I. G. Bezina and others. Dokl. AN SSSR 171 no. 8-13-136 D '66.

## MCE—DISEASES AND PESTS

Some regularities in the development of superinvasion in leishmaniasis in white mice. B. A. Astaf'ev. Med. parazit. i parazit. bol. 35 no. 6-705-712 N-D '66.

## MCE—GENETIC RESEARCH

Interpretation of genetic structure of the locus H-2 in mice based on statistical analysis of its alleles. I. K. Igorov. Genetika no. 11-119-110 '66

## MERO-ORGANISMS

Role of mero-organisms in formation of reduction geochemical barriers on welding contact zones of layered metamorphism. A. I. Litvinchuk, D. G. Kuznetsova. Izv. AN SSSR, Ser. geol. no. 1-11-14 Ja '67.

## MERO-ORGANISMS, EFFECT OF DRUGS ON

Determination of the resistance of Pasteurella pestis to antibiotics. A. I. Optukova, I. M. Vorona, G. B. Minkov. Zhur. mikrobiol., epid. i immunit. 44 no. 1-58-102 T '67.

Digital method for determining the sensitivity of bacterial cultures to various antibiotics in liquid media. M. I. Luvil, I. A. Gerasimkina, I. A. Sagatovskaya. Antibiotiki 12 no. 1-57-60 Ja '67.

Resistance to semisynthetic penicillins staphylococci, isolated from patients. A. N. Shchegolev, S. P. Rezvan. Antibiotiki 12 no. 1-57-60 Ja '67.

Sensitivity to antibiotics of mero-organisms isolated in patients with tumors. V. A. Kuchukova, I. M. Golubeva. Vop. onk. 13 no. 1-100 '67.

Significance of a short presence of Staphylococcus aureus within macrophages for its sensitivity to antibiotics. V. N. Sulev'ev, E. P. Pavlov, M. A. Vagina. Antibiotiki 12 no. 1-51-54 Ja '67.

Some practical aspects of the resistance of a pathogen to antibiotics. T. B. Garglov. Antibiotiki 12 no. 1-57-60 Ja '67.

Some problems of the mechanism of penicillin action on the bacterial cell. L. I. Terhochkina. Antibiotiki 12 no. 1-51-54 Ja '67.

Study of the distribution of drug-resistant forms of dysentery pathogens in Dnepropetrovsk. E. N. Jankovskaya, A. D. Kavalenka, I. M. Livertovskaya. Antibiotiki 12 no. 1-59-60 Ja '67.

Therapeutic effectiveness of tetracyclines in dysentery depending on the method of their introduction and sensitivity of the dysenteric bacteria. K. V. Klimov. Sov. med. 30 no. 1-90-92 Ju '67.

## MICROBIOLOGICAL SOCIETIES

Session of the Moscow Branch of All-Union Microbiological Society. A. I. Zhukova. Mikrobiologiya 35 no. 6: 1115-1116 N-D '66.

Session of the Moscow Branch of All-Union Microbiological Society. I. A. Belskaya. Mikrobiologiya 35 no. 6: 1115 N-D '66.

## MICROBIOLOGY see subdivision under Snajir Valley

## MICROBIOLOGY—CULTURES AND CULTURE MEDIA

International seminar on continuous cultivation of microorganisms. L. D. Shafarostova, N. S. Litovceva. Mikrobiologiya 35 no. 6: 1110-1111 N-D '66.

Production of amino acids by mero-organisms in culture fluid and soil. M. O. Tlagny-Rudno. Mikrobiologiya 35 no. 6: 1028-1032 N-D '66.

Species of micro-organisms using butano. Z. P. Telegina. Mikrobiologiya 35 no. 6: 1059-1063 N-D '66.

## MICROBIOLOGY—RESEARCH see subdivision under Kiev

## MICROCODE

Characteristics of the antibiotic properties of Penicillium vitale, the producer of microcode, in submerged fermentation. O. O. Nikul'shka. Mikrobiol. zhur. 24 no. 5: 30-46 '62.

## MICROCOSM AND MACROCOSM

Developing the concept of the material object in the physics of microcosm. L. G. Antipenko. Vop. filoz. 21 no. 1: 104-113 '67.

## MICROELECTRONICS

Algorithms for the construction of inequalities satisfied by the distribution parameters of nonintersecting bodies. V. L. Ryabchev, I. U. G. Stetsan. Kibernetika no. 6: 82-92 S-O '66.

Analysis of selective amplifiers constructed as RC microstructures with distributed parameters. V. M. Volkov, V. P. Popov. Radiotekhnika 22 no. 1-27-31 Ja '67.

Transfer characteristics of distributed uniform R-C-NR structures. R. S. Kal'metov, E. B. Mekhantsev. Radiotekhnika 22 no. 1-63-67 Ja '67.

Zakles, J. [Microminiaturization in radioelectronics] Mikrominiaturizatsiya radioelektronika. Riga, Liestma, 1966. 58 p. [In Latvian]

## MICROSCOPE

Control handles of microscopes and their operational ease. R. M. Raguzin. Opt. i mekh. prom. 33 no. 12: 37-43 D '66.

Measuring the light transmission of microscope objectives in the ultraviolet region. R. M. Litina, L. S. Agroskin. Opt. i mekh. prom. 33 no. 12: 6-9 D '66.

## MICROSCOPY—CONGRESSES

Working conference on problems of automatic analysis of microscope objects in Pashchino-on-Oka. June 7-10, 1966. Stofizika 11 no. 5-937-938 '66

## MICROSCOPY, MEDICAL—TECHNIQUE

Imbedding of gastric mucosa in paraffin. G. V. Tsodikov. Arkh. pat. 28 no. 12: 70-71 '66

## MICROSEISMS

Use of microseisms in weather forecasting at the Mirnyy Station. A. D. Sytnitskiy. Inform. biul. Sov. antark. eksp. no. 20: 33-38 '61

## MICROSPECTROPHOTOMETRY

Microspectrophotometric study of the effect of dislocations on F-center stability in NaCl-based crystal phosphors. V. I. Shilarenko, V. I. Spikin. Fiz. tver. tela 8 no. 11: 3201-3203 N '66.

## MICROWAVES

Dependence of additional absorption on the form of a ferrite object. I. V. Shchukina. Radiotekhnika 22 no. 1: 58-62 Ja '67

Dymov, N. D., A. Z. Firsov, and N. P. Krasluk. [Radio waves in the ionosphere and ultra-short waves, textbook] Radiovolny v ionosfere i ul'trakorotkie volny; uchebnoe posobie. Oshchekha red. N. P. Kraslika. Leningrad, Severo-Zapadnyy nauchnyy politekh. in-t, 1966. 82 p.

[Noises and parametric effects in microwave devices] Shumy i parametricheskie yavleniya v elektronnykh priborakh sverkhvysokikh chastot. [By] V. M. Lopukhin i dr. Moskva, Nauka, 1966. 371 p.

Smogilev, K. A., I. V. Voznesenskii, and L. A. Filippov. [Microwave receivers] Radiopriemniki SVCh. Moskva, Voenizdat, 1967. 555 p.

## MIDDLE AGES

(see also subdivision under Syria)

[History of the Middle Ages in two volumes] Istoriya srednikh vekov v dvukh tomakh. Pod red. S. D. Skazkina i dr. Moskva, Vysshaya shkola, Vol. 2, 1966. 386 p.

## MIDDLE AGES—HISTORY—STUDY AND TEACHING

Gora, P. V., comp. [Practice in studying the history of the Middle Ages in the 6th grade] Opyt izucheniya istorii srednikh vekov v VI klasse. Moskva, Prosveshchenie, 1965. 200 p. (NIC)

MIDDLE CLASSES see subdivision under Africa, Sub-Saharan; Cuba

MIDDLE EAST see Near East

MIDGET SUBMARINES see subdivision under United States

MIGRATION, INTERNAL see subdivision under Siberia

MIKHILSON, ALEKSANDR IVANOVICH, 1876-1966. Aleksandr Ivanovich Mikhil'son; on his 90th birthday. V. V. Nikitin, K. M. Muradov. Izv. AN Turk. SSR. Ser. biol. nauk no. 5: 95-96 '66.

MILISTEPPE see Kura Lowland

## MILIAKOV, M.

Summit of an heroic deed. M. Kudriashova. V mire knig 6 no. 6: 31 Je '66.

MILITARISM see subdivision under Germany, West

MILITARY ARMORED VEHICLES see Armored vehicles, Military

## MILITARY ART AND SCIENCE

Dialectical correlation of objective and subjective factors during a war. I. Grudinin. Voen.-ist. zhur. 9 no. 1: 13-13 Ja '67.

Rational planning and clarity of purpose in armed struggle. M. Iasukov. Komm. Vooruzh. Sili 47 no. 1: 48-55 Je '67.

MILITARY BASES, AMERICAN see subdivision under Malta

MILITARY COMMUNICATIONS see Communications, Military

## MILITARY DISCIPLINE

People and their motives. S. Iovlev. Voen. vest. 41 no. 6: 61-63 Je '61

## MILITARY EDUCATION

(see also subdivision under Chelyabinsk; Leningrad; Moscow)

By joint efforts. L. Viorushin. Voen. vest. 41 no. 6: 53-55 Je '61.

The chief thing is self-training. Voen. vest. 41 no. 6: 9-11 Je '61

Gavrilov, F. K. [Organization and planning of instruction. Study of regulations] Organizatsiya i planirovaniye obucheniya. Izuchenie ustavov. Moskva, Voenizdat, 1966. 201 p. (Posobie po obucheniuyu molodogo soldata, no. 1)

Let us inculcate the spirit of noble morality and high militancy into our cadets. G. Gladchenko. Komm. Vooruzh. Sili 47 no. 1: 22-27 Ja '67

New frontiers ahead. Voen. znani. 43 no. 1: 4-5 Ja '67.

The 50th anniversary of the Military Academy of the General Staff. N. Svetitskiy, P. Mochalov. Voen.-ist. zhur. 9 no. 1: 116-120 Ja '67

Training exercises and demonstrations. P. Babichev, I. Zhivitsa, I. Konushenko. Voen. vest. 41 no. 6: 78-79 Je '61.

## MILITARY ENGINEERS

An outstanding military engineer. P. Bitukov, V. Istomin. Voen.-ist. zhur. 9 no. 1: 37-42 Ja '67

## MILITARY FIELD ENGINEERING

Engineer support of an attack. P. Fomichev, Voen. vest. 41 no. 6: 44-47 Je '61.

Training of troops in military engineering. A. Proshchakov. Voen. vest. 41 no. 6: 21-26 Je '61

MILITARY MINES see Mines, Military

MILITARY MUSEUMS see subdivision under Moscow, Suny

MILITARY RADAR see Radar, Military

MILITARY RADIO see Radio, Military

## MILITARY RECONNAISSANCE

Radiation and chemical reconnaissance. V. Nesterov. Voen. vest. 41 no. 6: 102-105 Je '61

MILITARY SHOOTING see Shooting, Military

## MILITARY SPORTS

1961 ends. Sov. voen. 43 no. 24: 40-41 D '61.

MILITARY STREAM CROSSING see Stream crossing, Military

## MILITARY TOPOGRAPHY

Typing in terrain following a nuclear blast. H. Tamanov. Voen. vest. 41 no. 6: 82-83 Je '61

## MILITARY TRAINING

A course toward efficiency and enterprise. M. Kotvitskiy. Komm. Vooruzh. Sili 47 no. 1: 34-38 Ja '67.

If you made a promise... M. Zimenkov. Komm. Vooruzh. Sili 47 no. 1: 56-62 Ja '67

## MILK—ANALYSE AND EXAMINATION

(see also subdivision under Ukraine)

Is single index sufficient? P. Percverzev. Zakup. sel'khoz. prod. no. 12: 22-23 D '66.

## MILK—COMPOSITION

Change in the composition of cow milk by fractions of a single daily milking. L. V. Kulikov. Dokl. TSKH 4 no. 45: 119-124 '69.

Effect of age and lactation number on chemical milk composition in machine milking of mares. Kh. Dusembin, I. U. Diduk. Trudy Inst. fiziol. AN Kazakh. SSR 10: 156-161 '66.

Ensilage as feed of cows and the quality of milk. B. N. Nikitin. Trudy Inst. fiziol. AN Kazakh. SSR 10: 172-176 '66.

Factors affecting the dry matter content of milk. R. B. Davidov. Vest. sel'khoz. nauk 11 no. 12: 73-78 D '66.

Protein composition of sheep milk. Trudy Inst. fiziol. AN Kazakh. SSR 10: 167-171 '66.

Relation between fat and protein content of cow milk. L. P. Pionovskaya. Vest. sel'khoz. nauk 11 no. 11: 80-88 '66.

## MILK, DRIED

Effect of corn silage in rations for cows on the quality of dried milk. I. A. Radaeva. Dokl. TSKH 4 no. 45: 107-112 '69.

## MILK AS FEED

Ment productivity of Swiss bulls raised at reduced rates of whole milk. V. K. Kazakovich, M. D. Koncha. Vest. AN BSSR. Ser. sel'khoz. nauk. no. 4: 88-94 '66.



## MILK HYGIENE

On the new products and the quality of milk. N. Lipatov. Zakup sel'khoz prod., no. 8 37-60 Ag '66.  
Supply state with high quality milk. D. Shlonitskiy. Zakup sel'khoz prod., no. 12, 13-13 D '66.

MILK SUGAR see Lactose

MILK TRADE see subdivision under Vologda Province

## MILKING

(see also subdivision under Istia District)

Increasing the effectiveness of machine milking. V. M. Luntan. N. Petukhov. Vest sel'khoz. nauki 11 no. 12, 92-96 D '66.  
Letting down of milk by cows at milking parlors. I. G. Veltok. Dokl. Akad. sel'khoz. nauk. no. 9 39-40 S '66

## MILKING—LABOR PRODUCTIVITY

Working time of a milkmaid. I. Churnavskiy. Agitator no. 17 38-39 S '63

## MILKING MACHINES

(see also subdivision under Sverdlovsk)

Improving the design of milk meters and the operating system of milking machines. V. Babitskiy. Tekh. v sel'khoz., 26 no. 12 21-23 D '66.  
Lactation reflex in milking mares with modified "Temp" apparatus. Kh. Dusembayev. Trudy Inst. fiziol. AN Kazakh SSR 10 148-152 '66

## MILLEROVO DISTRICT—GROUND SQUIRRELS—EX-TERMINATION

Gas method. A. Stetsenko. Zashch. rast. 12 no. 1 16-17 '67

## MILLET

(see also subdivision under Kazakhstan; Pavlodar Province)

Justification of an effective method for the final cleaning and sorting of pea and millet seeds. O. A. Ovsyepkin. Vest. sel'khoz. nauki [Kazakh.] 10 no. 1 89-93 Ja '67.  
Semidry disinfection of millet seeds. L. F. Sevrukhova. Trudy KISKIII 56 40-51 '66

## MILLET—DISEASES AND PESTS

Studying new methods for ridding millet of smut. L. F. Sevilukova. Trudy KHKSHIII 56 11-44 '66.

## MILLET—FERTILIZERS AND MANURES

(see also subdivision under Siberia, Western)

Effect of nitrogen-phosphorus-potassium fertilizer on the yield of millet grain. N. N. Denisov. Kium v sel'khoz., 5 no. 1 13-14 Ja '67

## MILLET—MILLING

Operation of new machines for the scouring of millet at the Murgorol Groats Plant. L. Vlnokur. B. Gushkenberg. Muz. -eliv. prom. 33 no. 1 25-26 Ja '67

## MILLET—QUALITY CONTROL

Procured millet should be of good quality. I. Elagin. Zakup. sel'khoz. prod., no. 8 32-34 Ag '66

## MILLING (METALWORK)

Investigating the state of the surface layer of metal machined with cutters made of TSM-332 ceramic metal. A. G. Baibov. Stan. i instr. 38 no. 1 28-29 Ja '67.  
Nomogram for determining momentary angle of shift of cutter tooth. V. V. Dushinskii. Tekh. mashinost. no. 1 42-52 '66.  
Optimal conditions for gear milling with hobbing abrasive wheels. E. P. Kalinin and others. Vest. mashinost., 47 no. 1 63-65 Ja '67.  
Optimal geometry of cutting tools and cutting speed in end milling of cast low-magnetic steels. V. G. Podporkin, V. D. Shishkov. Vest. mashinost., 47 no. 1 66-68

fe of the knife set of conical mills. apcsetskii. Bumagodel', mash. ng tails. B. Ardashnikov. Mat. 77-78 O '66.

milling machine. N. E. Nikilin. Gos. nauch.-issl. inst. nauch. i 15-18 N '66.  
achine. L. G. Abugov, F. I. am, Bel. 10 no. 2 35 F '67.  
a planetary groove-milling r, Stan. i instr. 38 no. 1 8-9

## TACHMENTS

ions N. F. Il'mshin. Mashinost. 167.  
g sprocket teeth. M. A. Libintov. Ja '67.

## ITS

illing machine. S. L. Ben'iamin. no. 1 44 Ja '67.

## MINE BUILDINGS

Instructions for planning administrative and employee office facilities at coal and ore-mining enterprises. P. V. Silin. Shakhstroi. 5 no. 11 31-32 N '61

MINE BUILDINGS—SAFETY MEASURES see subdivision under Lvov-Volyn' Basin

## MINE BUILDINGS—STANDARDS

Directions on designing frameless large-paneled dwellings to be built over underground areas. A. P. Starytsyn. Shakhstroi. 10 no. 12 28 D '66

## MINE COMMUNICATION SYSTEMS

(see also subdivision under Tula Basin)

Simplified wiring diagram for a call bell. I. S. Giebruv. Ugol' Ukr. 6 no. 12 34-35 D '62.  
Studying systematic errors in mine frequency systems of remote control with fluctuating interferences. V. G. Gyshevo. Dop. AN URSR no. 12 1573-1576 '66.

## MINE DRAINAGE

Determining the value of seepage interflow in mine walls. P. N. Kostikov. Izv. vyz. ucheb. zav., gor. zhut. 8 no. 9 3-10 '65.  
Forming a canal with the aid of large-scale pinpoint blasting in building the Alla River Mine. E. A. Avdeev. Vozr. yulo no. 61/81 161-175 '66.

Possible limits of lowering the water level in drying mines and quarries. O. B. Skugello, S. A. Barynin. Shakhstroi. 10 no. 12 14-16 D '66.  
Selecting an efficient zone for water draining conditions of mine pumping equipment. F. F. Khanov. Ugol' 37 no. 12 27-28 D '62.  
Work of an improved water hoist in variable conditions. N. S. Bolotskiykh and others. Shakhstroi. 10 no. 12 19-20 D '66

## MINE DRAINAGE—EQUIPMENT AND SUPPLIES

(see also subdivision under Kursk Magnetic Anomaly)  
Results of using hydraulic elevator pumps for doing joint coal out and draining water from sump pits. V. A. Brenner, N. N. Bezuglov, G. G. Lartsev. Ugol' 37 no. 12 24-25 D '62

## MINE DUSTS

(see also subdivision under Karaganda Basin)

Vostochnyi nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoi promyshlennosti. (Instruction on dust control by methods of preliminary wetting of coal seams.) Instuktsiya po bor'be s pyliu metodom predvaritel'nogo vliyazhneniya ugoil'nykh plastov. Moskva, Nedra, 1966. 75 p.

## MINE DUSTS—SAFETY MEASURES

Increasing the efficiency of the method of coal wetting by using deep infusion. N. V. Polakov, P. N. Torshil. Ugol' 37 no. 12 31-35 D '62.

## MINE FILLING

Stability of interchamber pillars in Dzhezkazgan Mine. A. L. Tchukov, L. I. Frei. Bezop. truda v prom. 11 no. 1 44-46 Ja '67.

## MINE FILLING—EQUIPMENT AND SUPPLIES

Estimating the efficiency of transfer to a system with hardening filler in working deposits exposed to fire hazards. P. F. Zurekov, M. N. Tsyganov. Izv. vyz. ucheb. zav., gor. zhut. 8 no. 9 11-17 '65.  
Scraper equipment with BS-1 winches for mine filling. G. F. Lushenko, A. V. Kuznetsov, I. I. Demochko. Ugol' 37 no. 12 26-27 D '62.

## MINE FIRES

Estimating the efficiency of transfer to a system with hardening filler in working deposits exposed to fire hazards. P. F. Zurekov, M. N. Tsyganov. Izv. vyz. ucheb. zav., gor. zhut. 8 no. 9 11-17 '65.

## MINE GASES

(see also subdivision under Moscow Basin)

Analysis of a frequency converter of transducer information on control of parameters and components of mine gas. A. V. Prymak. Dop. AN URSR no. 10 1294-1299 '66.  
Degasification of the No. 4 "Velikomostovskaya" Mine. K. P. Kashennikov. Ugol' Ukr. 7 no. 3 42-41 Mr '63.  
Experience in building underground degasification installations in coal mines. IA IA, Mukhin. Ugol' 42 no. 1 55-57 Ja '67.  
Experimental study of transfer characteristics of a single-chamber thermocatalytic methane transducer. V. M. Tarasovych. Dop. AN URSR no. 12 1577-1580 '66.  
New suggestions for the control of methane in coal mines. N. A. Zaitsev, M. S. Androsov. Ugol' 37 no. 12 36-43 D '62.  
Single-chamber, thermocatalytic methane indicator as measuring element of the automatic control system of coal mining machine performance according to the gas emanation factor. V. M. Tarasovych. Dop. AN URSR no. 10 1302-1308 '66.  
Studying the process of methane diffusion in mines. R. N. Isaeva. Izv. vyz. ucheb. zav., gor. zhut. 8 no. 10 63-69 '65.

## MINE GASES—SAFETY MEASURES

New method of boring drainage holes. A. D. Ilyay, I. L. Kuzhenko, Mash. i obrab. dia. mekh. i avtomatiz. trudi prof. v ugoil' prom. no. 2 136-110 '65.  
Selecting a location for installing methane-relay in coal mines. S. N. Ostapov. Ugol' Ukr. 7 no. 3 41-42 Mr '64.

## MINE HAULAGE

Determining the output of mine sections and the amount of total machine loading capacity in mines. D. M. Jelen'ko. Izv. vyz. ucheb. zav., gor. zhut. 10 no. 1 21-20 '67

Leites, Z. M., and V. A. Syroeva. [Methods of establishing optimal flow sheets for underground haulage using the theory of graphs.] Metodika ustanovleniya optimal'nykh tekhnologicheskikh skhem podzemnogo transporta s pomoshch'yu teorii grafov. Moskva, In-t geomekhaniki im. A. A. Skochinskogo, 1966. 80 p.

The PPM-1 rock loading machine used in mining haulage. V. R. Voloshin. Ugol' Ukr. 7 no. 3 31-32 Mr '64

## MINE HAULAGE—EQUIPMENT AND SUPPLIES

Conditions of mining operations in deep open-pit mines with use of high benches. V. G. Solov'ev, M. S. Chirvaev, S. A. Bondar'. Izv. vyz. ucheb. zav., gor. zhut. 10 no. 12 23-25 '67.  
Using induction rheostats in conveying lines of over-all mine haulage equipment. V. A. Chulko, V. V. Shapovalov. Blat. tekhn. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 11 55-58 N '66.

## MINE HOISTING

Second problem of the dynamics of a cable of variable length when the electric motor has a linear mechanical characteristic. I. K. Shumilanskii. Dop. AN URSR no. 12 1572-1575 '66

Study of a mine skip hoist drive using an automatic computer. E. V. Labil'mov, A. D. Dinkov, R. K. Adulalitin. Elektr. inzh. no. 1 45-51 Ja '67

## MINE HOISTING—BRAKES

Experience in using RDB-1 regulators for automatic remote control of mine hoist brakes. K. P. Borshchov, L. T. Maksimov. Mash. i obrab. dia. mekh. i avtomatiz. trudi prof. v ugoil' prom. no. 2 154-159 '65.

## MINE HOISTING—DESIGN AND CONSTRUCTION

Problems with regard to dynamic loads upon parts of hoisting winches. M. IA, Tchadev. Gos. elektr. inzh. i avtom. no. 1 137-142 '65.

## MINE HOISTING—ELECTRIC DRIVING

Automation of skip hoisting with asynchronous drive at the No. 19 Chis Mine of "Rutchenkovskiy" Trust. G. P. Rybakov and others. Gos. elektr. inzh. i avtom. no. 1 126-130 '65

New electric equipment sets for automatic drive of coal mine hoisting installations. V. M. Beizavskii, R. I. Borzjak. Ugol' 37 no. 1 16-17 Ja '67.

Set of electropneumatic controllers for automating pulsed hoisting machinery. M. N. Vasilevskii, L. G. Tashch. Ugol' Ukr. 6 no. 12 31-33 D '62

## MINE HOISTING—EQUIPMENT AND SUPPLIES

(see also subdivision under Karaganda Basin)

Rapid method of replacing guides. I. S. Mogila. Ugol' Ukr. 7 no. 3 10-11 Mr '67.  
Two-motor alternating current drive with rotary reactor for mine hoisting equipment. V. M. Bartovskii, F. I. Shitepa, I. G. Borzhak. Izv. vyz. ucheb. zav., gor. zhut. 8 no. 9 120-124 '65.

## MINE HOISTING—SAFETY APPLIANCES

Calculating the actuating mechanism of mine hoisting brakes. D. P. Konchalnyi. Izv. vyz. ucheb. zav., gor. zhut. 8 no. 9 112-118 '65.  
Protecting skips from moving in shafts with open bucket gates. V. Guda, I. Valdiman. Bezop. truda v prom. 11 no. 1 56 Ja '67.

## MINE HOISTING—SHOCK ABSORBERS

Influence of lower shock absorber upon additional loads in components of multirope hoisting equipment. V. M. Chermaklykh. Izv. vyz. ucheb. zav., gor. zhut. 10 no. 1 118-121 '67.

## MINE LIGHTING—STANDARDS

New standards for illuminating underground workings in coal mines. N. R. Machugovskii. Ugol' Ukr. 6 no. 12 37-39 D '62.

## MINE PUMPS

Results of using hydraulic elevator pumps for cleaning coal out and draining water from sump pits. V. A. Brenner, N. N. Bezuglov, G. G. Lartsev. Ugol' 37 no. 12 24-25 D '62.  
Work of an improved water hoist in variable conditions. N. S. Bolotskiykh and others. Shakhstroi. 10 no. 12 19-20 D '66.

## MINE PUMPS—DESIGN AND CONSTRUCTION

Selecting an efficient zone for water draining conditions of mine pumping equipment. F. F. Khanov. Ugol' 37 no. 12 27-28 D '62.

## MINE PUMPS—ELECTRIC DRIVING

The ZPN immersible primed pump G. K. Iomono  
Ugol' Ukr. 7 no 3 J5 Mi '63

## MINE RAILROADS

GR-4 and GR-5 mine gyroflywheel locomotives, Shakh,  
strol. 5 no. 11-4 of cover. N '61

Theoretical estimate of the wear of electric mine loco-  
motive tires P. M. Shilov, A. A. Suslov, P. S. Banitov  
Gor. elektromekh. i avtom. no. 1188-193 '65

## MINE RAILROADS—CARS

(see also subdivision under Moscow Basin)

An efficient performance diagram of electrified haulage  
in open pit mines with use of motor cars S. I. Popov,  
I. U. N. Posokhov, V. N. Lozinskiy Izv. vys. ucheb. zav.,  
gor. zhur. 8 no. 10-13-117 '65

## MINE RAILROADS—ELECTRIFICATION

(see also subdivision under Krivoy Rog Basin)

The IPU-2 equipment for measuring and recording leakage  
parameters in electric locomotive haulage systems,  
V. L. Kozhevnikov Gor. elektromekh. i avtom. no. 167-  
75 '65

## MINE RAILROADS—SAFETY APPLIANCES

Locomotive sandboxes for using in underground mining,  
A. N. Vychigin, V. V. Kharlamov, Mash. i obrab. dia mekh.  
i avtomatiz. trud. prots. v ugol' prom. no. 2 153-159 '65

## MINE RAILROADS—SHOCK ABSORBERS

Using rubber-metallic shock absorbers for mine locomotive  
wheels, V. V. Kharlamov, A. N. Vychigin, Mash. i obrab.  
dia mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 185-196 '65

## MINE RAILROADS—SIGNALING—CENTRALIZED TRAFFIC CONTROL

Designing communication equipment for underground  
transportation, and experience in its operation, P. T.  
Molisev, A. M. Zhigov, Sbor. nauch. trud. PNIUI  
no. 10:173-181 '66

## MINE RAILROADS—SWITCHES

Duration of shunting operations in haulage with electric  
locomotives in coal mines, I. D. Averbukh, Izv. vys.  
ucheb. zav., gor. zhur. 10 no. 11-105-110 '67

## MINE RAILROADS—TIES see subdivision under Tula Basin

## MINE SAFETY see subdivision under Krivoy Rog Basin

## MINE SUPPORTS

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Accidents in the Lenin Coal Mine and the "Kapitalnaya"  
Coal Mine No. 33 of the Kizelugol' Trust, V. S. Shish-  
kinskiy Bezop. truda v prom. 11 no. 1-12-15 '67

Certain properties of monolithic concrete lining, K. S.  
Shmonov, Izv. vys. ucheb. zav., gor. zhur. 8 no. 10:32-  
34 '65

Economic basis of load value in stopes equipped with  
powered supports in mining flint seams, M. D. Rastvayn,  
Mash. i obrab. dia mekh. i avtomatiz. trud. prots. v ugol'  
prom. no. 2, 69-74 '65

Experience in using KTV-2 supports in Bukachacha  
deposit, M. I. Seredenko, F. G. Turov, D. R. Kozlov  
Ugol' 12 no. 1 21-21 Ja '67

Lateral thrust and selection of efficient systems for  
lining major workings at deep levels, P. I. A. Galushko,  
Izv. vys. ucheb. zav., gor. zhur. 10 no. 1:26-33 '67

Lining of vertical workings by the method of concreting  
without formwork, E. V. Kazakevich and others,  
Shakht. strol. 10 no. 12:21-22 D '65

Measuring rock pressure in major horizontal mine work-  
ings, L. M. Erofeev, L. A. Mironovskaya, T. N. Tsai,  
Shakht. strol. 10 no. 12:12-13 D '66

Merkulov, N. I. A., A. I. Sokolov, and S. G. Il'inskiy, [Opera-  
tor of a stoping machine complex and coal-mining  
machine unit] Mashinist oboisnogo kompleksa i ugle-  
dobyvalushchego agregata, Moskva, Nedra, 1966. 278 p.

Review of the book by M. N. Gelskul and E. S. Kiselev  
"Construction and calculation of reinforced concrete  
frame supports," I. D. Dzhandzhigava, Ugol' 37 no. 12  
69 D '62

Russia (U. S. S. R.) Gosudarstvennyi komitet po delam  
strolitel'stva, [Instructions for the construction and approval  
of work on reinforcement of mine shafts] Ukazaniya  
po proizvodstvu i primeneniye rabot po armirovke vertikal'-  
nykh stvolov shakht. SN 340-66, Izd. offtstal'noe, Mo-  
skva, Stroiizdat, 1966, 9 p.

Urgent industrial problems and the introduction of pre-  
cast reinforced-concrete timbers, M. N. Gelskul,  
P. I. Gneushev, Shakht. strol. 5 no. 11:4-8 N '61

Using battery stull posts in steep seam longwalls, V. I.  
Kravchenko, I. V. Lituchenko, Bezop. truda v prom.  
11 no. 3:3-9 Ja '67

## MINE SUPPORTS—DESIGN AND CONSTRUCTION

Analytic study of the foundations of mine supports, V. M.  
Budnik, Sbor. nauch. trud. PNIUI no. 10:112-121 '66

## MINE SUPPORTS—EQUIPMENT AND SUPPLIES

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Kazakhstan)

A simplified system for making lining assembly units in  
mine workings, M. I. Bol'shinskiy, B. A. Vashchilin,  
V. D. Popov, Shakht. strol. 10 no. 12:23-23 D '66

## MINE SUPPORTS—HYDRAULIC DRIVING

Analysis of certain problems in designing hydraulic  
powered supports, V. L. Bodelskiy, M. I. Zverev,  
Mash. i obrab. dia mekh. i avtomatiz. trud. prots. v ugol'  
prom. no. 2 59-68 '65

## MINE SUPPORTS—MODELS

Tensiometric measurements on mine support models,  
A. Sh. Katsnel'son, Sbor. nauch. trud. PNIUI no. 10:128-  
131 '66

## MINE SUPPORTS—TESTING

Testing flexible metal cap sets of an M-0 mine support,  
A. A. Orlov, A. A. Zhukov, Ugol' Ukr. 6 no. 12-13-  
11 D '62

## MINE SURVEYING

Equipment for visually examining and photographing  
series of a rock massif V. V. Zhukov, Ugol' 37  
no. 12:17-18 D '62

Necessity for accurate measurement of lengths in trilat-  
eration networks laid out for surveying purposes,  
M. T. T. ofimov, Izv. vys. ucheb. zav., gor. zhur. 8  
no. 10:33-42 '65

Zones of elastic and critical equilibrium in slopes of  
rectilinear outline, M. A. Roznitsky, V. T. Gushenko  
Izv. vys. ucheb. zav., gor. zhur. 8 no. 10:43-46 '65

## MINE SURVEYING—EQUIPMENT AND SUPPLIES

Equipment for surveying underground chambers, V. B.  
Ananovich, Izv. vys. ucheb. zav., gor. zhur. 8 no. 9:  
32-40 '65

Stereophotogrammetric surveying of stopes in Tynyanz  
region, B. I. Butaev, D. I. Buzinov, N. G. Shupnikov-  
skaya, Izv. vys. ucheb. zav., gor. zhur. 8 no. 9 27-31  
'65

## MINE TIMBERING see Mine supports

## MINE VENTILATION

Concerning the book by V. S. Nikitin and M. M. Chesnokov  
"Efforts to control dust and gas in strip mine workings"  
N. Z. Bikhov, Ugol' 37 no. 12:65 D '62

Conditions of air movement in worked-out areas, L. A.  
Bukhkov, Izv. vys. ucheb. zav., gor. zhur. 8 no. 10:70-  
75 '65

Determining the position of mine shafts according to  
depth factor, A. I. Akushevskiy, Ugol' 12  
no. 1:24-26 Ja '67

Filter during varying mode operation of parallel con-  
nected fans, A. A. Dzidzigi, N. Sh. Dushidze, Sbor.  
AN Gruz. SSR 14 no. 3:75-72 D '66

Mathematical description of transient aerodynamic pro-  
cesses in mines, V. A. Bolt, I. M. Kuznetsov, Gor.  
elektromekh. i avtom. no. 1182-187 '65

Mechanism of reversing ventilating currents during  
underground fires, V. M. Sukhachevskiy, Dop. AN URSR  
no. 7 917-920 '62

Pressure losses in the exit areas of ventilation systems  
with new axial fans, F. M. Levin, Mash. i obrab. dia  
mekh. i avtomatiz. trud. prots. v ugol' prom. no. 2 342-  
347 '65

Testing and developing powerful mine fans, I. A. Rasikin,  
Mash. i obrab. dia mekh. i avtomatiz. trud. prots. v ugol'  
prom. no. 2:330-311 '65

## MINE VENTILATION—COSTS

Economic efficiency of ventilation methods during the  
mining of blind workings, P. B. Kul'bid and others,  
Bezop. truda v prom. 11 no. 1:37-40 Ja '67

Making more accurate the method of determining optimum  
carrying capacity of ventilation conduits, B. M. Titov,  
Izv. vys. ucheb. zav., gor. zhur. 8 no. 10:127-134 '65

## MINE VENTILATION—ELECTROMECHANICAL ANALOGUES

Taking into account the characteristics of fans in electric  
model studies of mine ventilation systems, A. A. Dzid-  
zigi and others, Sbor. AN Gruz. SSR 27 no. 2:173-  
180 Ag '61

## MINE VENTILATION—EQUIPMENT AND SUPPLIES

(see also subdivision under Donetsk Basin)

Concerning the book "Combined operation of mine fans,"  
F. A. Abramov, M. G. Ripp, Ugol' Ukr. 6 no. 12-44  
D '62

Economical operation of mine fans, I. A. Rasikin, Ugol'  
Ukr. 6 no. 12:35-37 D '62

Equipment with centrifugal fans with an interlocked blow-  
er and suction conduits, V. S. Pak, G. A. Babak, E. S.  
Marmovskiy, Ugol' Ukr. 7 no. 3:33-35 Mr '63

Testing the guide vanes in housings of radial mine fans,  
G. V. Ivanov, Izv. vys. ucheb. zav., gor. zhur. 8 no. 9:  
119-120 '65

Ventilation equipment with a short underground bypass  
conduit, L. I. A. Shito, Ugol' Ukr. 7 no. 3:36 Mr '63

## MINE VENTILATION—GRAPHIC METHODS

Graphic analysis method for studying air flow in worked-  
out areas, K. Z. Ushakov, Izv. vys. ucheb. zav., gor.  
zhur. 10 no. 161-65 '67

## MINE VENTILATION—MODELS

Ventilation of unilateral stopes in hydraulic mines with  
local ventilation fans and air leakage into worked-out  
areas, M. P. Kukhar'skiy, Izv. vys. ucheb. zav., gor.  
zhur. 8 no. 9 73-78 '65

## MINE WATER

Concerning the book by N. G. Trupak "Methods of control-  
ling water in potash and salt mines," E. L. Shishov and  
others, Ugol' Ukr. 6 no. 12 11-45 D '62

Determination of the flow coefficient of sands based on  
the granulometric content in evaluating the water con-  
tent of deposits, I. O. Skaballanovych, Geol. zhur. 21  
no. 2 52-60 '61

Efforts to control the effects of weather disturbances, N. A.  
Butkin, Ugol' 37 no. 12 55 D '62

Method of determining probable annual average amount  
of mine water according to surface discharge, M. A.  
Erem'in, Izv. vys. ucheb. zav., gor. zhur. 10 no. 1:3-9  
'67

## MINERAL OILS—ADDITIVES

Improving technology of producing VNIMP-370 additives,  
N. P. Karpev, Neftepr. i neftekhim. no. 8:15-18 '66

## MINERAL WATERS

(see also subdivision under Borzhomi, Georgia,  
Chukhuryard, Azerbaijan; Chimen, Fryuzay,  
Turkmenistan; Uglei, Yaroslavl Province)

Mechanism of the action of mineral water when taken  
internally, N. I. Akhselikh, Vop. kur., fizioter. i lech.  
fiz. kul't. 27 no. 6 488-493 M-D '62

Nature of the sulfur of mineral waters and hydrothermal  
deposits, M. M. Konstantinov, Geokhimiya no. 11 1027-  
1028 '61

Use of mineral waters, L. I. Kononov, Priroda no. 1  
127 Ja '67

## MINERAL WATERS, SULFUROUS see subdivision under Chukhuryard (Azerbaijan); Saratov; Sochi

## MINERAL WOOL

Heat insulation in electric plants, F. G. Tsenter, Elek.  
sta. 33 no. 3 85-86 Mr '62

## MINERAL WOOL—DRYING

Infrared drying of mineral wool products, A. E. Kluch-  
kov and others, Inzh.-fiz. zhur. 12 no. 1:99-103 Ja '67

## MINERALOGY

(see also subdivision under Adzharia; Ukraine;  
Verkhnysk Range)

Distorted forms of crystals and their significance for de-  
termining direction of mineral-forming moving solutions,  
Ch. D. Dzhalilov, Min. sbor. 20 no. 4:513-518 '66

Essays on structural mineralogy Part 17, Essays Nos.  
111-116, N. V. Belov, Min. sbor. 20 no. 2 143-  
155 '66

Internal structure and genesis of mineral individuals as  
revealed by study of magnetite, V. N. Sergeev, A. M.  
Kuz'min, Min. sbor. 20 no. 4 507-512 '66

"Trasite," new sulfoselenide of titanium, rhodium,  
ruthenium, and platinum, D. Cerkin and others, Zap.  
Vses. min. ob-va 95 no. 6:700-712 '66

Method of X-rayed balls for determining crystallographic  
orientation of individuals in aggregate, B. V. Chesnokov  
Min. sbor. 20 no. 4:566-571 '66

Methods for statistical processing of the results of min-  
eralogical and other analysis, D. I. Gvzd, Inform. biul.  
NIGA no. 15:74-76 '69

Mineralogy of scapolite-amphibole metasomatites from  
the central part of the ore zone in Khaylel iron ore  
deposit, I. U. V. Indukaev, Trudy TGU 104:28-15 '63

Povarennykh, A. S., [Crystallochemical classification of  
mineral types] Kristalokhimiicheskaya klassifikatsiya  
mineral'nykh vidov, Kiev, Naukova dumka, 1966, 547 p.

Relationship between the uranium concentration in zircon,  
monazite, and sphene in granites and the alteration of  
these minerals, V. I. Baranov, Du Le-Han' (To Lih-  
tlen), Geokhimiya no. 11 1029-1031 '61

Role of crystallography in practice of geological  
studies and in evaluation of quality of raw minerals  
E. K. Lazarenko, Z. V. Baitshinskii, Min. sbor. 20  
no. 4 484-473 '66

Significance and problems of crystallographical studies  
of accessory minerals, O. I. Matkovskiy, Min. sbor.  
20 no. 4:474-480 '66

Structural characteristics of mixed layered formations  
originating in potassium absorption by vermiculites and  
its loss from mica, I. U. S. D'ianov, Zap. Vses. min.  
ob-va 95 no. 6:690-699 '66

## MINERALOGY, DETERMINATIVE

(see also subdivision under Fergana Valley;  
Mangyshlak Peninsula)

Accidental errors in the quantitative-mineralogical  
analysis of ore slimes and concentrates, D. A. Rodionov,  
and others, Trudy IMGRE no. 4:214-223 '60



## OATS

Development of root systems of oat and yellow oat in pure and mixed cultures. I. N. Rakhmanov, L. A. Iakovaya. Vestn AN BSSR Ser. Biol. nav. 1966, no. 1:31-37

## SOIL CHEMISTRY

Studies on agrochemical soil properties. D. L. Vostok AN BSSR Ser. Biol. nav. no. 1:31-37

Effect of radiation on oxidative phosphorylation in tissue mitochondria. S. I. Mokharova. Vestn AN BSSR Ser. Biol. nav. no. 1:27-33 '67

## ASBESTOS—NORDMARKITE

Assimilation of basic effusive rocks on the erosion process of nordmarkites. V. G. Lazarenko. Izv. AN Mold. SSR no. 2:38-57 '62

## ASBESTOS—RHODUSITE

Genesis of rhodusite from Dzhezkazgan and South Munitsinsk Lowland. O. B. Belisev. Vestn AN BSSR Ser. Biol. nav. no. 2:116-119 '66

## GRAIN—FLOUR MILLS—EQUIPMENT

New machines for the scouring of millet and sorghum. G. A. Vinokur, B. G. Gukhenko. Vestn AN BSSR Ser. Biol. nav. no. 1:25-26 '67

## IONOSPHERE—ANTARCTICA—EARTH TEMPERATURE

Geothermal heat flow in Antarctica. I. A. Gerasimov. Vestn AN BSSR Ser. Biol. nav. no. 20:30-32 '66

## IONOSPHERE—ANTARCTICA—SEA ICE

Sea ice in Antarctica. L. I. Tsikin. Vestn AN BSSR Ser. Biol. nav. no. 28:31-33 '61

## IONOSPHERE—ANTARCTICA—WEATHER FORECASTING

Forecasts in weather forecasting at the station. A. D. Sytinskii. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

## LABOR OFFICE

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

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Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

New design of the paste mixing machine. A. V. Zubchenko, I. G. Samoilin. Khleb i kond. prom. 11 no. 1:23-25 '67

Testing the quality of bread made from dough prepared in a rotary mixer. A. I. Skolnikova, I. M. Rotter. Khleb i kond. prom. 11 no. 1:13-16 '67

Types of concrete mixers and mortar mixers planned for 1960-1965. Stroi i dom. mash. 6 no. 12:27-29 '61

## MODELS AND MODEL MAKING

Apparatus which receive a high rating. S. Kishchik. Nauch. obr. no. 2:61-63 '67

Developing the vocational inclinations of children. V. I. Tarasov. Shkola i prosv. 10 no. 12:17-18 '66

## MODERNISM—CATHOLIC CHURCH

New trends in present-day catholicism. V. IV. Bychatin. Pyt. nats. no. 1:35-45 '65

## MODERNISM (LITERATURE)

An irreconcilable fighter against modernism. N. Piashev. Oktabr. 13 no. 12:160-161 '66

## MODULAR COORDINATION (ARCHITECTURE)

The numerical basis of modular coordination in construction. I. A. E. Vasserman. Izv. ASIA no. 3:104-113 '61

## MODULATION (ELECTRONICS)

Distortions originating in one method of pulse-amplitude modulation. II. G. Davydov, V. M. Tshilin. Elektronsv. 21 no. 1:67-71 '67

## MOSSBAUER EFFECT

Anomalous diffuse Mossbauer scattering at small angles in crystals. IU. Kagan, A. M. Afanas'ev. Fiz. vuz. Zhur. eksp. i teor. fiz. 5 no. 2:51-54 '67

Interpretation of isomer shifts of  $\gamma$ -radiation from  $^{57}\text{Fe}$ . A. N. Dolgin. Fiz. tverd. tela 8 no. 11:3426-3428 '66

Use of Mossbauer's method in studying state of iron in AgCl single crystals. A. N. Murin and others. Fiz. tverd. tela 8 no. 11:3291-3291 '66

## MOBILE—AUTOMOBILE INDUSTRY—MANAGEMENT

Use the principles of scientific organization of labor in all services of an enterprise. L. P. Gollas, B. M. Katsman. Prom. Bel. 10 no. 2:17-18 '67

## MOBILE—CLASS SIZE

There is need for strict norms. B. Kaigin. Fin. SSR 41 no. 1:54-55 '67

## MOBILE—TEXTILE FIBERS, SYNTHETIC

Leading technological development. V. V. Kim, S. L. Moshkovskii. Prom. Bel. 10 no. 1:52 '67

## MOBILE PROVINCE—LEPTOSPIROSIS

Clinical and epidemiological observations in a leptospirosis focus. A. M. Mezhenyil. Sov. med. 29 no. 11:97-98 '66

## MOISTURE

For improvement of labor conditions; calcium chloride dehumidifying apparatus. V. N. Syshchikov. Stroi i khit. Len. 26 no. 5:55 '65

## MOLASSE—MAPS see subdivision under Tergana Valley

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

## MOLASSES

Distribution of molasses to livestock. D. Savin, TS. P. Ivanovskii. Tekhn. v sel'khoz. 21 no. 12:20-21 '61

Role of water in the formation of molasses. N. P. Sitina. Khleb i kond. prom. 41 no. 1:15-16 '67

Study of molasses obtained by enzymatic hydrolysis of starch. T. A. Sokolovskaya, M. M. Istomina, G. V. Galkina. Khleb i kond. prom. 11 no. 1:26-29 '67

## MOLASSES AS FEED

Molasses in mixed feed. G. Bardashov. Muk. -elev. prom. 26 no. 3:30-31 '60

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Main trends in the further improvement of the organization of labor and wages on the collective and state farms of the Moldavian S.S.R. V. S. Ponomarev. Izv. AN Mold. SSR no. 3:45-53 '65

## MOLDAVIA—AGRICULTURE

Basic problems of the specialization of agricultural production in the Moldavian S.S.R. I. V. Shtrshov. Izv. AN Mold. SSR no. 3:23-29 '65

## MOLDAVIA—BIBLIOGRAPHY

[Chronicle of the publications of the Moldavian S.S.R.] Let. pech. Mold. SSR no. 3:11-15 '65, publ. 1966

## MOLDAVIA—BIRD LICE

Mallophaga from birds of Moldavian S.S.R. R. Shumilo, I. Beket. Paraz. zhiv. i rast. no. 2:143-151 '66

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

Consider the opinions of Communists. Part. 2. Vestn AN BSSR Ser. Biol. nav. no. 29:33-35 '61

## MOLDAVIA—CHIGGERS (MITES)

Fauna and ecology of chiggers in Moldavia (Acariforma: Trombiculidae). V. N. Bobrova, N. I. Kudriashova. Paraz. zhiv. i rast. no. 2:162-167 '66

## MOLDAVIA—ECONOMIC CONDITIONS

Years equal to a lifetime. P. Paskari. Agitator 34 no. 3:19-23 '67

## MOLDAVIA—ELK, FOSSIL

Alces latifrons Johns in Quaternary of Moldavia. A. I. David. Izv. AN Mold. SSR no. 8:10-11 '65

## MOLDAVIA—FARM MANAGEMENT

Main trends in the further improvement of the organization of labor and wages on the collective and state farms of the Moldavian S.S.R. V. S. Ponomarev. Izv. AN Mold. SSR no. 3:15-53 '65

## MOLDAVIA—FARMS—VALUATION

Economic valuation of some agricultural land in Moldavia. N. P. Dodonov. Izv. AN Mold. SSR no. 3:30-44 '65

## MOLDAVIA—FLEAS

Fauna of fleas (Phlebotomina: Suctoria) in Moldavia. O. F. Andreiko, V. A. Sineishchikov, R. P. Shumilo. Paraz. zhiv. i rast. no. 2:170-176 '66

## MOLDAVIA—FOOD INDUSTRY

Main problems and trends in the specialization and the future development of the food industry of the Moldavian S.S.R. D. S. Ton. Izv. AN Mold. SSR no. 3:54-64 '65

## MOLDAVIA—FREIGHT AND FREIGHTAGE

Inter- and intraregional ties of Moldavia. V. F. Chervinskii. Izv. AN Mold. SSR no. 3:15-22 '65

## MOLDAVIA—GAS, NATURAL—GEOLOGY

Gas potential of Sarmatian sediments of Moldavian S.S.R. P. V. Polev. Izv. AN Mold. SSR no. 8:11-14 '65

## MOLDAVIA—GEOLOGICAL TIME

More about age of formation of sandstones underlying Jurassic sediments of Moldavia. V. Kh. Kaptsan, E. I. Safarov. Izv. AN Mold. SSR no. 8:66-70 '65

## MOLDAVIA—GEOLOGY—CONGRESSES

Work of Section of Geology and Paleontology of Anniversary Session of Academy of Sciences of Moldavia. S. S. R.; leader of section, K. N. Negadnev-Nikonov. Izv. AN Mold. SSR no. 3:70-81 '65

## MOLDAVIA—GEOLOGY, STRATIGRAPHIC

Controversial questions on the stratigraphy of Riparian sediments in Moldavia. P. D. Bukatchuk. Geol. zhur. 21 no. 2:111-113 '61

New data on Middle Miocene sediments in central part of Moldavia and adjacent regions of Ukraine. V. Kh. Ruzhka, E. Z. Mitsul. Izv. AN Mold. SSR no. 8:34-40 '65

New observations on conditions governing occurrence of Balta series in central part of Moldavian S.S.R. A. A. Arapov. Izv. AN Mold. SSR no. 8:73-78 '65

Permian stratigraphy of Moldavia. V. Kh. Kaptsan, E. I. Safarov. Izv. AN Mold. SSR no. 8:71-72 '65

Practice in division of Sarmatian continental sediments in central part of Moldavian S.S.R. A. N. Klubka. Izv. AN Mold. SSR no. 8:52-56 '65

Stratigraphy of Upper Cretaceous sediments in northeastern part of Moldavian S.S.R. B. V. Budenko, G. A. Ivanovskaya. Izv. AN Mold. SSR no. 8:57-58 '65

## MOLDAVIA—INDUSTRIES

Basic problems in the development and distribution of the productive forces of the Moldavian S.S.R. V. F. Chervinskii. Izv. AN Mold. SSR no. 3:13-13 '65

## MOLDAVIA—LAMELLIBRANCHIATA, FOSSIL

Conditions governing inhabitation of bivalve mollusks in Late Tortonian sea in northern Moldavia. M. I. Voloshin. Izv. AN Mold. SSR no. 8:45-51 '65

## MOLDAVIA—LANDFORMS

Basic types and forms of relief in the Ukrainian and Moldavian S.S.R. V. G. Bondarchuk and others. Geol. zhur. 19 no. 6:29-36 '59

## MOLDAVIA—MACHINERY INDUSTRY

Problems of the specialization and development of the machinery industry of Moldavia in 1966-1970. M. M. Makonenko. Izv. AN Mold. SSR no. 3:65-74 '65

## MOLDAVIA—MITES

Gamasid mites of Moldavia. F. Andreiko, V. A. Sineishchikov, R. P. Shumilo. Paraz. zhiv. i rast. no. 2:177-185 '66

## MOLDAVIA—NEMATODA

First summary of studies on parasites of bats in Moldavia, nematodes. O. F. Andreiko, V. G. Skvortsov. Paraz. zhiv. i rast. no. 2:111-119 '66







# MOSCOW—CITY PLANNING (Continued)

Five year plan for capital's trade, G. A. Dubinin, Gor. khoz. Mosk., 40 no. 12-7-12 D '66.  
Forecast, science, and plan, N. F. Frustatov, Gor. khoz. Mosk., 41 no. 12-23-24 Ja '67.  
In the Executive Committee of the Moscow Soviet, Stroitel' Arkhit. Mosk., 15 no. 7-3-10 Gor. JI '66.  
In the Moscow Branch of the Union of Architects of the U.S.S.R., Stroitel' Arkhit. Mosk., 15 no. 7-35 JI '66.  
Solve city problems on a strictly scientific basis, V. Prudichenskiy, Stroitel' Arkhit. Mosk., 15 no. 12-1-4 D '66.  
Stepped in the glory of the revolution, reconstruction of the Krasnaya Presnya District, G. Kharibov, V. Antonov, Stroitel' Arkhit. Mosk., 15 no. 12-20-23 D '66.

# MOSCOW—CITY TRAFFIC

Traffic safety in the microdistricts of Moscow, I. U. P. Bocharov, Gor. khoz. Mosk., 35 no. 12-17-13 D '61.

# MOSCOW—CLOCKMAKING AND WATCHMAKING—FINANCE

What hinders the mobilization of potentialities, V. Shevelov, Fin. SSSR, 40 no. 12-17-52 D '66.

# MOSCOW—CLOTHING INDUSTRY—MANAGEMENT

Moscow Clothing Factory No. 52 improves labor productivity and perfect organization of production, L. A. Matyushina, Biul. tekhn. ekon. inform. Gos. nauch.-issl. inst. nach. i tekhn. inform., 19 no. 11-81-82 N '66.

# MOSCOW—COKE INDUSTRY—BY-PRODUCTS

Moscow chemical and technological institute, K. I. Sytkov, Khim. i khim. no. 5-53 '62.

# MOSCOW—COMMUNIST PARTY OF THE SOVIET UNION

Efforts of the Moscow party organization to strengthen the unity of the party and to defeat Trotskyism, 1921-1927, V. P. Gagarin, G. A. Taisanenko, M. V. Khuykov, Vop. ist. KPSS, 11 no. 2-118-127 F '67.

# MOSCOW—CONFECTIONERY INDUSTRY

Honoring the 50th anniversary of the Great October Revolution, Khleb i kand. prom., 10 no. 12-4-5 D '66.

# MOSCOW—CONFECTIONERY INDUSTRY—MANAGEMENT

New planning and economic incentive system of the industry in action, K. G. Ristova, Khleb i kand. prom., 11 no. 12-33 Ja '67.

# MOSCOW—CONSTRUCTION INDUSTRY

Efficiency promoters of the Moscow Foundation Construction Trust No. 1, G. V. Petrov, Gor. khoz. Mosk., 35 no. 12-27-30 D '61.  
Experimental construction in the capital, G. Pomin, Na stroi. Ros., 4 no. 3-1-3 M '63.  
In the Executive Committee of the Moscow Soviet, Stroitel' Arkhit. Mosk., 15 no. 12-30 D '66.  
Moscow construction should be excellent, V. Raitnikov, Na stroi. Ros., 4 no. 9-13-14 S '63.

# MOSCOW—CONSTRUCTION INDUSTRY—FINANCE

Some results of the experiment, A. Ben'tamin-Zade, Fin. SSSR, 40 no. 12-55-59 D '66.

# MOSCOW—CONSTRUCTION INDUSTRY—MANAGEMENT

Housing Construction Combine No. 3 sets the pace, how manufacture and construction of apartment houses built of vibration rolled panels are organized, O. Shil'raev, V. Pershner, Stroitel' Arkhit. Mosk., 15 no. 7-18-23 JI '66.

More about the quality of construction of multistory buildings, V. Nekrasov, Stroitel' Arkhit. Mosk., 15 no. 12-17-19 D '66.

# MOSCOW—ELECTRIC EQUIPMENT INDUSTRY—ACCOUNTING

Accounting in a plant under the new conditions, S. Zakharov, Bukh. uch. no. 12-36-37 D '66.

# MOSCOW—EXHIBITION BUILDINGS—DESIGN AND CONSTRUCTION

the Achievements of  
adekii, M. Berkland  
-29 JI '66.

the National  
no. 188

Stroitel' dor. mash., 6 no. 12-29-31 D '61.

Thematic display at the Exhibition of the Achievements of the National Economy of the U.S.S.R., "Equipment for the preparation of coal," R. S. Landa, Ugol', 37 no. 12-56 D '62.

[This week at the Exhibition of the Achievements of the National Economy of the U.S.S.R.,] Na etol ned VDNKH no. 51 D '61.

To our readers! Inform biul. VDNKH no. 12 Ja '67.  
Tractors and agricultural machinery at the Exhibition of the Achievements of the National Economy of the U.S.S.R. in 1959, N. I. Svidetskii, Trakt i sel'khoz. mash., 30 no. 3-48-3 of cover Mr '60.  
World Exhibition 1987 in Moscow, Grazhd. sv., 19 no. 2-26-27 F '62.

# MOSCOW—FARM PRODUCE—MARKETING

Trade on kollekt. markets, E. A. Ladorov, Gor. khoz. Mosk., 40 no. 12-34-35 D '66.

# MOSCOW—FINANCE—STUDY AND TEACHING

Students on practical work, M. Gershtman, Fin. SSSR, 41 no. 1-70 Ja '67.

# MOSCOW—FOOD INDUSTRY

Procurement and storage of fruit and vegetable products, I. A. Polakov, Gor. khoz. Mosk., 40 no. 12-26-29 D '66.  
Trade in vegetables and fruits, V. S. Shkodin, Gor. khoz. Mosk., 40 no. 12-29-32 D '66.

# MOSCOW—FOOD RESEARCH

Work of the Laboratory of Food Hygiene Section of Moscow Sanitation Epidemiological Station, S. M. Stremitina, F. M. Mikhonuk, Vop. pit., 25 no. 6-72-71 N-D '66.

# MOSCOW—GREENBELTS

Moscow's forest-park belt, B. P. Tobilevich, I. A. Tal', Gor. khoz. Mosk., 41 no. 1-27-30 Ja '67.

# MOSCOW—HEATING FROM CENTRAL STATIONS

Technical and economic indices of district heating in Moscow, N. K. Gromov, A. P. Nemov, Teploenergetika, 7 no. 8-9-15 Ag '60.

# MOSCOW—HOUSING MANAGEMENT

Introduction of advanced equipment into housing, V. T. Marchenko, Gor. khoz. Mosk., 35 no. 12-5-7 D '61.  
Technical and operational data certificates for housing in Moscow, Gor. khoz. Mosk., 35 no. 12-30 D '61.  
The work of technicians and supervisors in the housing management offices, N. S. Balandin, Gor. khoz. Mosk., 35 no. 12-25-26 D '61.

# MOSCOW—HOUSING MANAGEMENT—FINANCE

Rozenberg, D. I. A., and I. U. M. Safronov, [Profitable housing management, from the work practice of the Sverdlovsk District of the city of Moscow] Rentabel'noe vedenie zhilishchnogo khoz. i sluzhba, iz opyta raboty zhilishchnogo khoz. i sluzhba Sverdlovskogo raiona g. Moskvy, Moskva, Stroizdat, 1966, 56 p.

# MOSCOW—INDUSTRIAL BUILDINGS—DESIGN AND CONSTRUCTION

Ways of improving architecture of industrial buildings, N. Kim, Stroitel' Arkhit. Mosk., 15 no. 12-4-7 D '66.

# MOSCOW—INDUSTRIAL MANAGEMENT

Carrying out the accumulation plans and the control of the bank, V. Shevelov, Nauch. dokl. vys. shkoly i ekon. nauki, 4 no. 1-122-127 '61.  
Economic reform and procurement, Mat. i tekhn. anal. zh., 1 no. 4-20-26 O '66.

# MOSCOW—INDUSTRIAL PROCUREMENT

Economic reform and procurement, Mat. i tekhn. anal. zh., 1 no. 4-20-26 O '66.

# MOSCOW—KREMLIN

Restoration work in the Kremlin, I. Ruben, Stroitel' Arkhit. Mosk., 15 no. 12-26-28 D '66.

# MOSCOW—MACHINE ACCOUNTING

Mechanization of accounting, V. I. A. Stepanov, Gor. khoz. Mosk., 40 no. 12-32-33 D '66.

# MOSCOW—MACHINERY INDUSTRY

Taylor, I. A. M., [Reform on 33 Mironovskaya Street; on the new developments in the work of the Moscow Plant of Thermal Automatic Control Equipment] Reforma na Mironovskoi, 33: o novom v rabote Moskovskogo zavoda teplov. avtomatiki, Moskva, Politizdat, 1966, 47 p.

# MOSCOW—MERCANTILE BUILDINGS

Commerce and the general plan for the city, G. M. Khokhlov, Gor. khoz. Mosk., 40 no. 12-12-15 D '66.

# MOSCOW—MILITARY EDUCATION

A green street for training points, N. Nekrasov, V. Ilushin, Voenn. znaniya, 43 no. 1-33-34 Ja '67.

# MOSCOW—MILITARY MUSEUMS

Tsentral'nyi Muzei Voennoy i Vozdukh. Sili SSSR, [A guide to the Central Museum of Armed Forces of the U.S.S.R., Putevoditel', Moskva, Voenizdat, 1965, 210 p., illus. (MH)]

# MOSCOW—MONUMENTS

Monument to the founder of scientific communism, N. Sobolevskii, Gor. khoz. Mosk., 35 no. 12-1-4 D '61.

# MOSCOW—MUNICIPAL BUDGETS

Municipal budget in new year, V. E. Mukherov, Gor. khoz. Mosk., 41 no. 1-9-10 Ja '67.

# MOSCOW—MUNICIPAL SERVICES

In the district councils, Gor. khoz. Mosk., 35 no. 12-30 D '61.

Materials from "Gorodskoe Khoziaistvo Moskvy," Gor. khoz. Mosk., 35 no. 12-37 D '61.

# MOSCOW—MUNICIPAL SERVICES—TECHNOLOGICAL INNOVATIONS

Introducing latest technology in municipal economy of Moscow, 1966-1970, N. P. Platukov, Gor. khoz. Mosk., 41 no. 1-15-18 Ja '67.

# MOSCOW—MUSIC FESTIVALS

A cheerful song was the heart, Stod. spets. obr., 13 no. 7-11-15 JI '66.

# MOSCOW—PERFUMES

[One-hundredth anniversary of the "Novaya Zariya" Perfume Factory] Sto let parfumernoi fabrike "Novaya Zaria," Moskva, Pishchevaya promyshl., 1965, 60 p.

# MOSCOW—PETROCHEMICAL INDUSTRY—FINANCE

Experience prompts, N. Karateev, Fin. SSSR, 40 no. 12-52-54 D '66.

# MOSCOW—PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Experience of Muravitsa, D. Krivonozhko, Na stroi. Ros., 5 no. 3-12-14 M '61.

# MOSCOW—PETROLEUM REFINERIES—FINANCE

Experience prompts, N. Karateev, Fin. SSSR, 40 no. 12-52-54 D '66.

# MOSCOW—POLITICS AND GOVERNMENT

[Bulletin of the Moscow Executive Committee] Bul. Ispol. kom. Mosk. gor. sov. nos. 2-3 Ja '67.

# MOSCOW—PORCELAIN

The House of China, M. Fedtshteln, I. P. Pribludn., Na stroi. Ros., 40 no. 12-52-55 D '66.

# MOSCOW—PUBLIC HEALTH ADMINISTRATION

Health of Moscowites in our main concern, I. A. Vorokhobov, Gor. khoz. Mosk., 41 no. 1-14-21 Ja '67.

# MOSCOW—RAILROADS, SUSPENDED

Type of track for monorail transportation in Moscow, G. V. Fedorov, Gor. khoz. Mosk., 35 no. 12-10-11 D '61.

# MOSCOW—RETAIL TRADE

Direct ties and profitability in commerce, V. A. Lazzarov, Gor. khoz. Mosk., 40 no. 12-15-16 D '66.  
Five-year plan for capital's trade, V. A. Dubinin, Gor. khoz. Mosk., 40 no. 12-7-12 D '66.

# MOSCOW—RETAIL TRADE—MANAGEMENT

Kanovskii, E. M., [Extraordinary trip of an ordinary customer] Neobyknovennoe puteshestvie obyknovennogo pokupatelya, [Moskva] Mosk. rabochii, 1966, 71 p. (V pomoshch' agitatoru i propagandistu)

# MOSCOW—REVOLUTION, 1917-1921—FICTIONAL WORKS

The first anniversary of the October Revolution, Red Square in Moscow, Sov. arkh., no. 5-41 '60.

# MOSCOW—SCHOOL HOUSES—DESIGN AND CONSTRUCTION

What kinds of schools does the capital need? For more rapid introduction of new types of buildings, I. Koval', Stroitel' Arkhit. Mosk., 15 no. 12-13-16 D '66.

# MOSCOW—SELF-SERVICE STORES

Make a wide way for self-service, I. S. Plakhotin, Gor. khoz. Mosk., 40 no. 12-21-24 D '66.

# MOSCOW—SHOW WINDOWS

GUM's show windows, Gor. khoz. Mosk., 40 no. 12-17 D '66.

# MOSCOW—SLAVIC STUDIES

Work of the Department of the History of Western and Southern Slavs of Moscow University, I. V. Sovina, Slav. slav., no. 1-110-120 '67.

# MOSCOW—SUBWAYS

Experience in sinking mine shafts in water-saturated sands, N. F. Karasov, Transp. stroi., 16 no. 4-14-16 Ap '66.

# MOSCOW—SURGERY—CONGRESSES

Minutes of the Surgical Society of Moscow and Moscow Province for the meeting No. 1743, V. I. Struchkov, I. U. P. Isakov, Khirurgia, 38 no. 11-147-150 N '67.

# MOSCOW—TAXICABS

Organizing passenger traffic with taxicabs in Moscow, F. Krainov, Avi. transp., 45 no. 1-18-20 Ja '67.

## MOSCOW—TECHNICAL EDUCATION

Highly qualified specialists are trained here. B. Almazov  
Sred. spets. obr. 13 no. 7, 23-25 JI '66.

More attention to the students' technical creativity!  
A. I. A. Vlasov. Shkola i poliv. 10 no. 12:57-58 D '66

## MOSCOW—TELEPHONE STATIONS

Some results of the analysis of traffic distribution in the  
Moscow municipal telephone network. O. I. Pankratova,  
A. P. Pankratov. Elektr. svyaz' 21 no. 1, 58-66  
Ja '67.

## MOSCOW—THEATER

Moskovskiy teatr satiry. [A theater which laughs,  
ridicules and educates] Teatr, kotoryi smeetsia,  
izdavaetsia i ulverzhdaet. [Moskva, Iskusstvo, 1966]  
1 v. (chiefly illus.)

## MOSCOW—TOOL AND DIE INDUSTRY—MANAGEMENT

Work practice under the new conditions. A. Ivanov,  
M. Utkova, R. Gol'dina. Plan khoz. no. 2, 21-31 P '67.

## MOSCOW—TRAFFIC ENGINEERING

The center's transport problems and their methods of  
solution. O. K. Kudryavtsev, B. I. Dubov, S. V.  
Shapovalov. Gor. khoz. Mosk. 41 no. 1 23-27  
Ja '67.

## MOSCOW—WAGES—CLOCKMAKING AND WATCH- MAKING

Awarding bonuses to workers for the high quality to pro-  
ducts. A. Mosherova, M. Abramson. Sots. trud. 12  
no. 1, 13-47 Ja '67.

## MOSCOW—WAR MEMORIALS

Grave of the Unknown Soldier in Moscow. Gor. khoz.  
Mosk. 40 no. 12:66 D '66.  
Monuments on the historic boundaries: twenty-fifth anni-  
versary of the great battle before Moscow. T. Shul'gina.  
Stad. i arkh. Mosk. 15 no. 12 24-25 D '66.  
Monuments to the defenders of the capital. Gor. khoz.  
Mosk. 10 no. 12 6h D '66

## MOSCOW, BATTLE OF, 1941-1942

The Battle of Moscow in figures. Voenn.-ist. zhur. 8  
no. 1:68-101 Ja '67.

Before the attack. B. Moynash-uly. Sov. voen. 43 no. 24  
17-19 D '61

"The black doves." V. P. Gorov. Mol. komm. no. 10:  
31-31 '66.

Document of the heroic past. V. Nikol'shin. N. Ushat-  
kov. Sov. profsoyuz. 23 no. 1:22-21 Ja '67.

If the bugles call us to fight... G. Kovarski, I. Koval'-  
ko. Mol. komm. no. 12:98-105 D '61

In the night sky. A. Fedorov. Mol. komm. no. 10:31-37  
'66.

The role of armored troops in the battle of Moscow.  
B. Tumanov. Voenn.-ist. zhur. 9 no. 1:1-24 Ja '67

The 25th anniversary of the great Battle of Moscow. A  
joint publication of the Party Archives of the Institute  
of the History of the Party attached to the Moscow  
Province and City Committee of the CPSU, the Archives  
of the Ministry of Defense of the U. S. S. R., and the  
Central Archives of Literature and Art (to be continued)  
Sov. arkh. no. 5:43-56 '66.

An unconquerable detachment. Mol. komm. no. 10:28  
'66

We held out, we conquered. Aleksandr Andreev. Otkriti-  
ya no. 12:156-157 D '66.

## MOSCOW BASIN—CLAY

Origin of natural remanent magnetism of red-bed clays  
of Ghent stage of Moscow Basin. O. I. Bagina. Izv. AN  
SSSR, fiz. zem. no. 12:87-87 '66.

## MOSCOW BASIN—COAL MINES AND MINING

Using optimum parameters of the longwall mining system  
in developing coalfields. I. I. Grechishkin, V. V. Smolen-  
skii. Shor. nauch. trud. PNIUI no. 10, 108-210 '66.

## MOSCOW BASIN—COAL MINES AND MINING—COSTS

Reliability of stoping equipment complexes depending on  
longwall length. B. I. Gritsanuk, V. G. Popov, B. A.  
Annenkov. Shor. nauch. trud. PNIUI no. 10:87-91 '66.

## MOSCOW BASIN—COAL MINES AND MINING—FIRES AND FIRE PREVENTION

Dependence of spontaneous fires upon petrographic com-  
position of the seam. L. N. Bykov, E. I. Zakharov, A. M.  
Klimurov. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 1:50-  
60 '67.

## MOSCOW BASIN—COAL MINES AND MINING—MANAGE- MENT

Efficiency of using new machinery in coal mines of  
Moscow Basin. V. G. Popov. Shor. nauch. trud. PNIUI  
no. 10:5-13 '66.

## MOSCOW BASIN—COAL MINES AND MINING— MECHANIZATION

Analysis of the amount of labor required for mining  
operations and of the degree of mechanization in long-  
walls with powered equipment complexes in conditions  
of Moscow Basin. P. G. Korzh. Shor. nauch. trud.  
PNIUI no. 10:108-111 '66.

## MOSCOW BASIN—COAL MINES AND MINING—PRODUC- TION STANDARDS

Establishing standards for the number of workers to  
operate mechanized equipment complexes, taking  
into account the influence of main factors in conditions  
of Moscow Basin. P. G. Korzh. Shor. nauch. trud.  
PNIUI no. 10 66-77 '66.

## MOSCOW BASIN—COAL MINING MACHINERY

Deformation of cap rocks, coal seams, and changes of  
stresses upon supports in front of working faces during  
the operation of "Tula" equipment complexes. L. S.  
Krasnikov. Shor. nauch. trud. PNIUI no. 10 122-127 '66.  
Manifestation of rock pressure in longwalls equipped with  
stopping units. V. L. Popov, I. S. Krasnikov, B. I. Gri-  
tsanuk. Izv. vys. ucheb. zav. i gor. zhur. 8 no. 10:9-14  
'65.

Some ways of increasing reliability of the equipment of  
coal mine automation. B. M. Senchuk. Shor. nauch. trud.  
PNIUI no. 10:158-172 '66.

## MOSCOW BASIN—COAL MINING MACHINERY—DESIGN AND CONSTRUCTION

Determining the performance of "Tula" powered stoping  
complexes taking into account basic mining geology  
factors. P. D. Moiseev. Shor. nauch. trud. PNIUI no. 10:  
20-65 '66.

## MOSCOW BASIN—COAL MINING MACHINERY—RE- LIABILITY

Reliability of mining equipment units. V. L. Popov. Shor.  
nauch. trud. PNIUI no. 10:78-86 '66.

## MOSCOW BASIN—LIGNITE

Studying the composition of tar and tar water obtained  
during pilot plant processing of Moscow Basin lignites  
for purposes of power engineering. N. F. Budiah,  
B. I. Korovina. Shor. nauch. trud. PNIUI no. 10 190-197  
'66.

## MOSCOW BASIN—MINE GASES

Studying gas absorption of lignites and gas content in  
coal seams. M. B. Sulla. Shor. nauch. trud. PNIUI  
no. 10:215-223 '66.

## MOSCOW BASIN—MINE RAILROADS—CARS

Mechanization and automation of industrial processes on  
surface receiving platforms of auxiliary hoistings.  
M. A. Kozlov. Shor. nauch. trud. PNIUI no. 10:182-189  
'66.

## MOSCOW BASIN—STOPING (MINING)—EQUIPMENT AND SUPPLIES

Increasing the efficiency of stoping complexes in Moscow  
Basin. A. A. Portnov, D. V. Lizanov, K. N. Bell'ov.  
Shor. nauch. trud. PNIUI no. 10:14-27 '66.

## MOSCOW PROVINCE—BOOKSELLERS AND BOOKSELL- ING

Plans of booksellers of the Moscow region. I. Vishniakov.  
Knizh. tovg. 18 no. 1:93-7 Ja '67

## MOSCOW PROVINCE—BOOKSTORES

We must give our attention and love to books. I. Kurenkov.  
Knizh. tovg. 17 no. 11:22-23 N '66.

## MOSCOW PROVINCE—BUILDING—ESTIMATES

Economic service in the Planning and Designing Institute  
I. Perfilov, L. Ostalinskii. Ekon. stroi. 9 no. 1:11-45  
Ja '67.

## MOSCOW PROVINCE—CALCITE

Calcite from the quarry near Amerovo, Moscow Province.  
A. A. Gudovikov. Trudy Min. muz. no. 12:177-181 '61

## MOSCOW PROVINCE—CITY PLANNING

Economic service in the Planning and Designing Institute.  
I. Perfilov, L. Ostalinskii. Ekon. stroi. 9 no. 1:41-45  
Ja '67.

## MOSCOW PROVINCE—CONCRETE PLANTS

A communist labor group. P. Talerov, S. Buzuk. Avi.  
dor. 24 no. 11:4-5 N '61.

## MOSCOW PROVINCE—DAIRYING—LABOR PRODUC- TIVITY

Some problems of improving labor productivity on dairy  
farms. V. I. Shliakhin. Dokl. i soob. VNIISKH no. 28.  
20-30 '65.

## MOSCOW PROVINCE—HYDROGRAPHY

Formation of hydrography waters in southern Moscow  
Province. N. P. Matveev. Biol. MOIP. Otd. geol. 38  
no. 3:158-159 My-Je '61.

## MOSCOW PROVINCE—LIQUEFIED PETROLEUM GAS

Supplying liquefied gas to Moscow Province. A. I. Gordi-  
ukhin. Gaz. prom. 11 no. 12:25-27 '66.

## MOSCOW PROVINCE—PHYTOGEOGRAPHY

System of fodder evaluation and productivity of natural  
meadows and pastures in phytogeographic and geographic  
exploration. B. I. A. Cernykhov. Biol. MOIP. Otd. geol.  
38 no. 3:150 My-Je '61.

## MOSCOW PROVINCE—PORCELAIN

Use properties of porcelain articles of a single firing.  
N. Alekseev, L. Shcheglov. Sov. tovg. 40 no. 2:37-39  
F '67.

## MOSCOW PROVINCE—ROAD CONSTRUCTION

Ivan Poletayev, the road expert I Gavrilov. Avi. dor.  
24 no. 11 6-7 N '61.

## MOSCOW PROVINCE—SOIL CONSERVATION

Fall plowing for erosion control in eroded soils. G. A.  
Cherenov. Vest. sel'khoz. nauki. 11 no. 12:8-12 D '66

## MOSCOW PROVINCE—TRANSPORTATION, AUTOMOTIVE

Doubled productivity. M. Blanter. Avi. transp. 40 no. 6  
6-7 Je '62

## MOSCOW RIVER see Moskva River

## MOSCOW SEA see Volga Reservoir

## MOSKVA RIVER—FLOATING CRANES

Light-duty grab buckets for the unloading of river sand.  
A. Bodrov. Rech. transp. 20 no. 7:19 JI '61

## MOSKVA RIVER—POLLUTION

Industrial use and protection of the Moskva River from  
pollution. Vod. i san. tekhn. no. 11:39-40 N '66

## MOSQUITOES

(see also subdivision under Erivan; Novorossiysk,  
Turkmenistan)

Experiments in mass breeding of *Aedes aegypti* L. V. V.  
Vladimirov. Med. parazit. i parazit. bol. 35 no. 6:719-  
723 N-D '66

## MOSES

(see also subdivision under Pamirs)

Determining the mass of moss cover in the biogeocenosis  
of mixed hardwood and spruce forests in connection  
with their parcellar structure. L. M. Uspenskaya. Bot.  
zhur. 51 no. 12:1705-1708 D '66.

## MOTHER AND CHILD

I am glad to be a mother. P. Dorzdova. Sem'ia i shkola  
21 no. 7 6-8 JI '66

## MOTHS

Moths and pyralids as pests of farm supplies. A. Zagu-  
laev. Zashch. rast. 12 no. 1:35-36 '67

## MOTION—MEASUREMENT

Determining spatial motion of a solid body by measur-  
ing the acceleration of its points by means of inertia plaques.  
V. G. Aver'yanova, F. M. Dimentberg. Mashinovedenie  
no. 1, 18-26 Ja-T '67

## MOTION-PICTURE CAMERAS

[Movie projectors, movie cameras; a catalog and refer-  
ence book] Kinoproektory, kinoapparaty; katalog-spra-  
vochnik. Kiev, Reklama, 1966 34 p

## MOTION-PICTURE PLAYS

"Sergeant Fetisov." F. Malygin. Sov. voen. 43 no. 24:30  
D '61

## MOTION-PICTURE PROJECTORS

[Movie projectors, movie cameras; a catalog and refer-  
ence book] Kinoproektory, kinoapparaty; katalog-spra-  
vochnik. Kiev, Reklama, 1966 34 p.

## MOTION-PICTURE THEATERS—DESIGN AND CON- STRUCTION see subdivision under Leningrad

## MOTION-PICTURE THEATERS—HEATING AND VENTILA- TION

Systematization of the principal ventilation designs for  
the auditoriums of motion-picture theaters and the effec-  
tiveness of the performance of ventilation equipment ac-  
cording to full-scale observation. N. A. Matveeva. Shor.  
nauch. trud. NIIST no. 13:101-122 '62

## MOTION PICTURES

(see also subdivision under White Russia)

[Comedians of the world screen] Komiki mirovogo  
ekrana. Moskva, Iskusstvo, 1966, 285 p, illus.  
What is cinema drama. A. Obratsova. Nov. mir. 38  
no. 12 261-263 D '62

Zharov, M. I. [Life, theater, motion pictures; reminis-  
cences] Zhizn', teatr, kino; vospominaniya. [Moskva,  
Iskusstvo, 1967] 379 p.

## MOTION PICTURES, DOCUMENTARY

"Here there will be a city. . ." R. A. Samina. Stroi. i  
arkhit. Len. 28 no. 5 35 My '68.

The logic of time is the logic of art. G. Khaitum, Mol.  
komm. no. 10:114-121 '66.

Medvedev, B. L. [Witness for the prosecution] Svidetel'  
obvineniya. Moskva, Iskusstvo, 1966, 167 p.

## MOTION PICTURES, TALKING

Barbanel', S. R. [Magnetic phonogram of a motion-pic-  
ture film] Magnitnaya fonogramma kinofil'ma. Moskva,  
Iskusstvo, 1966, 191 p. (Biblioteka kinomekhanika)

## MOTION PICTURES IN CIVIL DEFENSE

Contribution of motion-picture workers. A. Filipov.  
Voenn. znaniya 43 no. 1:15-16 Ja '67.

## MOTION PICTURES IN EDUCATION

Motion pictures in history classwork. V. G. Shvachina. Vech sred.shkola 9 no.3,71-73 Nv-Jc '66.

## MOTION PICTURES IN POWER ENGINEERING

Scientific motion picture photography in power engineering. B. V. Kubeev. Energiya no.6 53-55 N-D '66.

## MOTION PICTURES IN PROPAGANDA

An interesting exhibition. Part zhizni' no.1:61 F '67.

## MOTION STUDY

Improving the labor process in the employee's working area. A. Pavlenko, V. Levitan. Sots.trud 12 no.1:68-73 Ja '67.

## MOTIVATION (PSYCHOLOGY)

People and their motives. S. Iovlev. Voen.vest. 41 no.6:61-63 Je '61.

## MOTOR FUELS

Compressibility of motor fuels. I. V. Astakhov. Energo-mashinostroyeniye 6 no.9:8-11 S '60.

Production of tractor motor oils from a large oil fraction of Suakhany selective crude using the dewaxing method with carbamide. A. M. Kuliev and others. Shor.trud. Az.NII NP no.3:144-153 '58.

Recommendations for using fuels and lubricants in motor vehicles. M. Borisov, O. Manusadzhants. Avi.transp. 45 no.1:31-34 Ja '67.

## MOTOR SHIPS

Sectional cargo motor ship. S. Shur. Rech.transp. 20 no.7:27-31 Ji '61.

## MOTOR SHIPS—TRANSMISSION DEVICES

Performance of the chain transmission of the disintegrating shaft of the MAM/K6Z97/80C engine. I. U. B. Baishtal. Inform.shor. TSNIMI no.163 Tekh.eksplo.mor.flota no.45:13-21 '66.

## MOTOR VEHICLE DRIVERS

Reaction of drivers in overtaking. I. U. Shtikov, V. Ivanov. Avi.transp. 45 no.1:51-53 Ja '67.

Training specialists. Avi.transp. 45 no.1:48-50 Ja '67.

## MOTOR VEHICLES

Competition is an effective means for saving fuel and lubricants. N. Andreev, V. Kanin. Avi.transp. 45 no.1:57 Ja '67.

Glitsburg, B. A. [Tractors and motor vehicles; manual for students of correspondence departments and sections, specializing in "Mechanization of agricultural production." Section: Theory and design of tractors, automotive chassis and motor vehicles. Topics: Forces acting on tractors and motor vehicles. Traktory i avtomobili, uchebnoe posobie dlia studentov zaochnykh fakul'tetov i oddelenii po spetsial'nosli "Mekhanizatsiya sel'skokhozhaystvennogo proizvodstva." Razdel: Teoriya i raschet traktorov, avtomobilykh chassai i avtomobilov. Izd.2., perer. Moskva, Vses.s.-kh in-l zaochnogo obrazovaniya, 1966 79 p.

[MICROFILM]

Problem of making self-propelled machines for roadless conditions. K. Karpukhin. Tekh.v sel'khoz. 26 no.12:76-78 D '66.

## MOTOR VEHICLES—AXLES

Investigating the loading of motor-vehicle axle beams on electric analogs. V. B. Bulanov and others. Avi.prom. 33 no.1:25-28 Ja '67.

## MOTOR VEHICLES—BRAKES

Work of friction forces in brake mechanisms of motor vehicles and its reproduction at stand tests. I. U. Kosterin, I. I. Vasil'ev, I. U. V. Marulin. Avi.prom. 33 no.1:21-24 Ja '67.

## MOTOR VEHICLES—COLD WEATHER OPERATION

Conference on vehicles used in northern regions. Avi.transp. 45 no.1:58-59 Ja '67.

## MOTOR VEHICLES—DYNAMICS

Plotting diagrams of speed and motion time of motor vehicles on a road. V. N. Degtiarenko. Avi.prom. 32 no.12:21-23 D '66.

## MOTOR VEHICLES—ENGINES

Effect of the temperature of outlet valves on the efficiency indices of a motor vehicle engine. A. V. Kostrov, B. M. Kuniavskii. Avi.prom. 33 no.1:11-13 Ja '67.

Expediency of using cast iron for block heads of motor vehicle engines. A. V. Kostrov. Avi.prom. 32 no.12:39-41 D '66.

Speed variation of the crankshaft of the IAMZ-236 engine at a steady motion of the motor vehicle. E. I. Blazhenov, V. M. Malyshev. Avi.prom. 33 no.1:16-17 Ja '67.

## MOTOR VEHICLES—FUEL CONSUMPTION

Generalized evaluation of the effect of drive system on the fuel consumption of a motor vehicle. V. A. Petrushev. Avi.prom. 32 no.12:23-27 D '66.

Instrument for determining fuel efficiency of a driving car. L. Nemirov. Avi.transp. 45 no.1:60 Ja '67.

## MOTOR VEHICLES—FUEL SYSTEMS

Causes for the formation of vapor locks in the fuel systems of motor vehicles. V. Gurev, V. Pandilov. Avi.transp. 46 no.6:21-27 Je '62.

## MOTOR VEHICLES—LUBRICATION

Recommendations for using fuels and lubricants in motor vehicles. M. Borisov, O. Manusadzhants. Avi.transp. 45 no.1:31-34 Ja '67.

## MOTOR VEHICLES—MAINTENANCE AND REPAIR

(see also subdivision under White Russia)

Abramov, G. A., and A. I. Koslov. [Maintenance system for tractors, motor vehicles and agricultural machinery] Sistema tekhnicheskogo obsluzhivaniya traktorov, avtomobilov i sel'skokhozhaystvennykh mashin. Voronezh, Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1965 22 p. (Peredovoi opyt v sel'skom khozaystve) [MICROFILM]

Equipment for hoisting front axles. A. Kruchinn. Avi.transp. 46 no.6:51 Je '62.

Increase labor productivity in motor-vehicle repair shops. V. Dergachev. Avi.transp. 46 no.6:31-31 Je '62.

Means for the reduction of the cost of motor-vehicle overhauling. M. Kripitsin. Avi.transp. 46 no.6:34-36 Je '62.

Press for straightening the case of the rear axle. E. Barukhov. Avi.transp. 45 no.1:38-39 Ja '67.

Reconditioning heads of reaction rods. R. Poletarov. Avi.transp. 45 no.1:42 Ja '67.

Reconditioning of parts is an important potentiality in the motor vehicle industry. A. Semenov. Avi.transp. 45 no.1:40-41 Ja '67.

Reconditioning the lower head of a connecting rod. V. Aver'yanov. Avi.transp. 45 no.1:37-38 Ja '67.

Using the OP-7 emulsifier for washing parts. S. Afonin, A. Rusina. Avi.transp. 46 no.6:19-20 Je '62.

Warming engines by infrared rays. A. Fainberg. Na stroi. Ros. 5 no.3:28 Mr '61.

## MOTOR VEHICLES—RELIABILITY

Conference on the reliability and durability of motor vehicles. V. N. Dvoretzkiy. Avi.prom. 33 no.1:48 Ja '67.

Evaluating operating reliability of a motor vehicle. E. S. Kuznetsov. Avi.prom. 33 no.1:19-21 Ja '67.

## MOTOR VEHICLES—STEERING GEAR

Kinematics of the steering trapezium of a motor vehicle. R. R. Dvati, N. I. Aleksishvili. Sock. AN Gruz.SSR 44 no.3:893-898 D '66.

## MOTOR VEHICLES—TECHNOLOGICAL INNOVATIONS

Exchange of experience. Avi.transp. 45 no.1:53-56 Ja '67.

## MOTOR VEHICLES—TESTING

Organizing reliability and durability tests of motor vehicles in experimental-industrial automotive transportation units. E. A. Indiki, E. I. Krivonko, V. A. Chernitskh. Avi.prom. 32 no.12:11-16 D '66.

## MOTOR VEHICLES—THERMODYNAMICS

Thermal regimes of operation of building machinery motors. A. P. Smolin. Mekh.stroi. 23 no.12:15-16 D '66.

## MOTOR VEHICLES—TIRES

Effect of damping properties of a tire on vibration parameters of a motor vehicle. I. U. B. Bolen'kiy and others. Avi.prom. 32 no.12:16-18 D '66.

## MOTOR VEHICLES—TRANSMISSION DEVICES

Investigating a discrete mechanical variator. N. V. Gulia. Maslinovedeniye no.1:27-32 Ja-F '67.

## MOTORBUS LINES

see subdivision under Simferopol'

## MOTORBUS LINES—TIMETABLES

see subdivision under Tallinn

## MOTORBUSES—BODIES

Stressed state of the body of the PAZ motorbus. S. I. Zibannikov, V. A. Kollunov. Avi.prom. 33 no.1:24-25 Ja '67.

## MOTORBUSES—ELECTRIC EQUIPMENT

Improvements in the design of the contact circuit of electric streetcars and buses. M. G. Tiegubenko, V. F. Arkhipov, V. A. Antonov. Gor.khoz.Mosk. 35 no.12:22-24 D '61.

## MOTORBUSES—EQUIPMENT AND SUPPLIES

Universal itinerary indicator. S. Tamarov, V. Sharamok. Avi.transp. 45 no.1:28 Ja '67.

## MOTORBUSES—MAINTENANCE AND REPAIR

Devices for fastening glasses and edging in motorbuses. M. Kononov. Avi.transp. 46 no.6:49 Je '62.

## MOTORCYCLE INDUSTRY—MANAGEMENT

see subdivision under Minsk

## MOTORTRUCK TERMINALS

see subdivision under Lvov

## MOTORTRUCKS

(see also subdivision under Germany, West)

Lelidman, S. R. [Operation of motor trucks, technical and economic fundamentals] Eksploatatsiya gruzovykh avtomobilov, tekhniko-ekonomicheskie osnovy. Moskva, Transport, 1966 150 p.

Operating the ZIL-MMZ-555 motor trucks. V. Voinov. Avi.transp. 45 no.1:29-30 Ja '67.

## MOTORTRUCKS—ELECTRIC EQUIPMENT

Determining defects in the electric equipment of trucks and motor trucks. V. I. Evchil, Tekh.v sel'khoz. 26 no.12:73-75 D '66.

## MOTORTRUCKS—ENGINES

Attachment for dismantling and assembling the T-10 engine. K. Lomidze. Tekh.v sel'khoz. 26 no.12:83 D '66.

Control of the termination of the cold running-in of engines. N. Drago, Tekh.v sel'khoz. 27 no.1:35 '61.

Some changes in the design of the ZIL-130 engine. IA. Shenderovitch. Avi.transp. 45 no.1:45-46 Ja '67.

## MOTORTRUCKS—MAINTENANCE AND REPAIR

see subdivision under Kirov Province

## MOTORTRUCKS—SHOCK ABSORBERS

Effect of hydraulic shock absorbers on the evenness of the T-30 logging motor truck. A. M. Zhigalov. Tr.v.v.s. uchob.zav. i les. zhur. 9 no.6:78-86 '66.

## MOTORTRUCKS—TIRES

Some data on the testing of type "R" tires for trucks under different conditions of use. V. I. Votavskiy and others. Kauch. i rez. 26 no.1:43-47 '67.

## MOTORTRUCKS—VIBRATION

Amplitude and frequency characteristics of the vertical vibration of logging truck chains. B. G. Gantsev, M. I. Biblik. Les.bum i del.prom. no.3:117-120 '66.

Characteristics of the free vibrations of a variable-rigidity suspension of logging trucks. I. G. Zolotarevskiy. Les.bum i del.prom. no.3:119-121 '66.

## MOUNTAIN WAVE

Current state of experimental studies of mountain waves and some recommendations for their diagnosis and prognosis. P. A. Voinovskiy. Priroda no.1:19-21 '66.

## MOUNTAINEERING

[Conquered peaks; a collection of Soviet alpinism] Pozbuzhdeniya veshiny, sbornik sovetskogo alpinizma 1961-1964. Moskva, Mysl', 1966, 420 p.

Granil'shechkov, I. U. V., S. G. Veitman, and V. I. Shkhar'novskii. [Mountaineering] Gornyi turizm. Moskva, Fizkultura i sport, 1966 110 p.

## MOUNTAINS

Effect of the variability of the Coriolis force on changes in the geopotential field in the presence of mountains. Z. V. Khvedelidze. Sock. AN Gruz.SSR 22 no.2:143-150 Ag '61.

## MOUTH—DISEASES

Lichen ruber planus in the oral cavity and on the margin of the lips. L. I. Abramova. Sov.med. 10 no.1:41-45 Ja '67.

State of mucous oral cavity in children residing in foci of endemic fluorosis. A. A. Akhmedov. Arkh.khiz. i kur. 41 no.12:8-15 D '66.

## MOVEMENT (PHYSIOLOGY)

Correlations in movement adjustment and its effect on technique of some acrobatic jumps. K. E. Shukhet. Teor. i prak.fiz.kul't. 20 no.12:32-35 D '66.

Organization of locomotive activity. M. I. Shik, G. I. Olovskiy, F. V. Sovetkin. Biofizika 11 no.5:379-386 '66.

## MOVEMENT DISORDERS

Changes in the neuromotor apparatus in patients with temporary disorders of cerebral blood circulation. L. M. Zakharova. Trudy Turk.nauch.-luch. inst.klin.kur. i fiz.med. iech. 8:73-83 '66.

## MOVING OF BUILDINGS, BRIDGES, ETC.

Moving derricks on special transportation blocks. I. Zhukov. Nefteknik 11 no.8:26-28 Ag '66.

## MUCOUS MEMBRANE

Distribution of phospholipids in mucous membrane of small intestine in laboratory animals and man. Z. M. Gadjieva. Arkh.anat., giat. i embr. 51 no.10:88-92 O '66.

Histochemical study of polysaccharides in mucous membrane of respiratory region of nasal cavity and polyps. Zh. K. Popinova. Arkh.anat., giat. i embr. 51 no.10:93-75 O '66.

Imbedding of gastric mucosa in paraffin. G. V. Troitsky. Arkh.pat. 26 no.12:70-71 '66.

## MUCODZAR HILLS—ZIRCON

Correlative significance of zircon. M. I. Kuravlev. Min.sboi. 20 no.4:532-540 '66.

## MUKHAN (ARMENIA)—PETROLEUM—ANALYSIS

Investigating Mukhan petroleum. G. G. Aghumova and others. *Sboi. trud Az. NII NP* no. 3:61-70 '58

## MUKHANOVO OIL FIELD—PETROLEUM—STORAGE

Determination of losses of light petroleum hydrocarbons in Mukhanovo oil field during preliminary refining and storage. B. N. Kulikov. *Neft. khoz.* 45 no. 1:59-61 Ja '67

## MUKHANOVO OIL FIELD—PETROLEUM REFINING

Determination of losses of light petroleum hydrocarbons in Mukhanovo oil field during preliminary refining and storage. B. N. Kulikov. *Neft. khoz.* 45 no. 1:59-61 Ja '67

## MUKHINA, VERA IGNAT'EVNA, 1889-1953

Kuznetsov, E. D. Vera Ignat'evna Mukhina. [Leningrad] *Khudozhnik RSFSR*, [1966] 54 p illus. (Natsionalnaya biblioteka po iskusstvu)

## MULBERRY—VARIETIES

Natural variation, mutation in mulberry. N. A. Dzhabarov. *Dokl. AN Azerb. SSR* 22 no. 9:85-89 '66

## MULTIPLE NEURITIS see Neuritis, Multiple

## MUNICIPAL BUDGETS see Subdivision under Moscow

## MUNICIPAL SERVICES

(see also Subdivision under Czechoslovakia; Moscow) Defining size of settlements in relation to municipal service system. A. Vladimirov. *Arkhitekt. SSR*, no. 1 45-48 '67

Municipal economies of Russia on upswing. A. I. Makarov. *Gor. khoz. Mosk.* 41 no. 1:11-15 Ja '67

## MUNICIPAL SERVICES—EQUIPMENT AND SUPPLIES

Latest technology should be used in municipal services. I. P. Makhovskii. *Gor. khoz. Mosk.* 41 no. 1:30-31 Ja '67

## MUNICIPAL SERVICES—TECHNOLOGICAL INNOVATIONS see Subdivision under Moscow

## MURAL PAINTING AND DECORATION

Masters of present-day realistic monumental art in the countries of people's democracy. V. N. Loginov. *Trudy MVKHPU* no. 2:126-141 '62

The problem of the development of topical plafond painting in Western Europe. I. E. Dmitlova. *Trudy MVKHPU* no. 2:149-78 '62

## MURAMDAISE

Effect of lysozyme of duck egg on disaccharides. V. I. Yakimov. *Dokl. AN SSSR* 172 no. 1:210-213 Ja '67

## MURAV'EV-APOSTOL, SERGEI IVANOVICH, 1706-1826

Slobodchan, I. I. S. I. Murav'ev-Apostol. [Leningrad] *Leningrad*, 1967. 38 p. (Uznilskii Detopavlovskoi kreposti)

## MURDER

A court case was sent back for additional examination. V. Kuznetsov. *Sov. iust.* 30 no. 24:26-27 D '66

What were the results of our study of murder cases? G. Mud'ugin, S. Steptchev. *Sov. iust.* 30 no. 24:10-11 D '66

## MURMANSK PROVINCE—BLASTING—SAFETY MEASURES

A new type of protection against scattering of rock fragments during blasting operations. F. A. Avdeev, S. V. Uzhakov. *Vzryv. delo* no. 61/61:218-223 '66

## MURMANSK PROVINCE—LEWISITE

Titanium lewisite from Kovdor Massif and isomorphism in perovskite group. A. V. Lapin, M. F. Karakova. *Dokl. AN SSSR* 171 no. 4 956-959 D '66

## MURMANSK PROVINCE—PEGMATITES

Increasing the efficiency of geophysical prospecting for metacarbon pegmatite veins. S. I. A. Llogen'kii. *Razved. i okh. nedr.* 26 no. 6:33-37 Ag '60

## MURMANSK PROVINCE—PEROVSKITE

Titanium lewisite from Kovdor Massif and isomorphism in perovskite group. A. V. Lapin, M. F. Karakova. *Dokl. AN SSSR* 171 no. 4 956-959 D '66

## MURMANSK PROVINCE—PODZOL

Changes in the Podzols of Murmansk Province when used for agriculture. P. G. Aderikhin and others. *Pochvovedenie* no. 4:40-48 Ap '60

## MURMANSK PROVINCE—TULAREMIA

Natural foci of tularemia in Murmansk Province. G. R. Aksenenko. *Zhur. mikrobiol., epid. i immun.* 44 no. 1: 83-87 Ja '67

## MUROM (VLADIMIR PROVINCE)—RAILROADS—REPAIR SHOES

First results in the Murom railroad repair shop. V. P. Brukhova, V. V. Zheutikhin. *Elek. i tepl. s'uga* 10 no. 11:4-8 N '66

## MUSCLE

Fine structure of differentiating elements of skeletal musculature in tissue culture. I. I. Fikhtomova, N. M. Shostopalo. *Arkh. anat., gist. i embriol.* 51 no. 10:22-30 O '66

Physiological characteristics of the smooth muscle. R. S. Orlov. *Usp. sov. biol.* 52 no. 1 96-111 Ji-Ag '61

## MUSCLE—MOTILITY

Effect of ionizing radiation of contractile function of striated muscles in frogs. K. Sh. Nadareishvili, O. I. Senebide. *Soob. AN Gruz. SSR* 14 no. 3:741-748 D '66

## MUSCLES

Changes in permeability of frog muscles by neutral substances following depolarization. E. A. Liberman, L. M. Tsofin. *Biophysika* 11 no. 5:832-839 '66

Importance of muscle development of the posterior surface of the hip for sprinters. A. Matskii. *Sboi. nauch. rab. Azovo-Chern. inst. mekh. sel'khoz.* no. 14 57-67 '58

## MUSCLES—INNERVATION

Characteristics of the electromechanical coupling of nonionic and ionic skeletal muscles in mammals. L. K. Zhukov. *Fiziol. zhur.* 52 no. 12:1447-1454 D '66

Continuous inhibition of monosynaptic refractory discharges of motoneurons of flexors and extensors in cats with local tetanus. A. D. Ado, G. V. Burlakov, I. U. S. Sverdlov. *Dokl. AN SSSR* 167 no. 2 178-181 Mr '66

Role of nervous system in sustaining constancy of electrolytic composition of muscle fibers. S. I. Fedull-Osyanova, I. I. Parshotv. *Fiziol. zhur. [Ukr.]* 12 no. 8 738-747 N-D '66

## MUSCLES—MOTILITY

Continuous inhibition of monosynaptic refractory discharges of motoneurons of flexors and extensors in cats with local tetanus. A. D. Ado, G. V. Burlakov, I. U. S. Sverdlov. *Dokl. AN SSSR* 167 no. 2 178-181 Mr '66

External effect of muscular tension. V. B. Kosenberg. *Biophysika* 11 no. 5:931-932 '66

## MUSCLES—TRANSPLANTATION

Exercise therapy in transplantation of the flexor carpi radialis following lesion of the radial nerve. V. P. Zubynin. *Shor. nauch. rab. Azovo-Chern. inst. mekh. sel'khoz.* no. 14:66-70 '58

Study of regeneration mechanism of smooth muscle tissue by light and electron microscope under experimental conditions. I. J. Nad. *Arkh. anat., gist. i embriol.* 51 no. 12:21-32 D '66

## MUSCLES—WOUNDS AND INJURIES

Effect of the anode of direct intermittent current on the process of reparative regeneration in a skeletal muscle. L. P. Tiurlikova, N. I. Lasev. *Blud. eksp. biol. i med.* 63 no. 1:71-74 Ja '67

## MUSCULAR SENSE

Development of the theory of intrinsic muscular reflexes, proprioceptive reflexes of the skeletal muscles and S. I. Chit'ev's research. D. G. Kvasov. *Fiziol. zhur.* 52 no. 11 1379-1388 N '66

Methodology for graphic recording of musculoarticular sensitivity. I. A. Dmitriev. *Fiziol. zhur.* 52 no. 12: 1466-1467 D '66

## MUSIC—HISTORY AND CRITICISM

[Russian music at the turn of the 20th century; articles; reports; publications] *Russkaya muzyka na rubzhe XX veka; stat'i, soobshcheniya, publikatsii*. Moskva, Muzyka, 1966. 265 p.

## MUSIC CALENDARS

[Schoolchild's music calendar, 1967] *Myzkal'nyi kalendar' shkol'nika*, 1967. [Moskva, Muzyka, 1966] 1 v.

## MUSIC FESTIVALS see Subdivision under Moscow

## MUSICAL INSTRUMENTS, ELECTRONIC

Frequency characteristics of electronic musical instruments. A. Volodin. *Radio* no. 11:26-28 N '66

## MUSSELS see Subdivision under White Sea

## MUSTARD OILS

Fatty acid composition of the oil of various Indian mustard varieties. N. F. Dublinskaya, L. V. Supunova. *Mest. i zhizn. prom.* 33 no. 1:13-15 Ja '67

## MUSTELIDAE—PARASITES see Parasites—Mustelidae

## MUTUAL ECONOMIC ASSISTANCE COUNCIL

Cooperation of socialist countries and the prosperity of the people. A. Sokolov. *Mozhdunar. zbz'n'* 14 no. 2:34 40 '67

Economic ties of socialist countries and the ideologists of anticommunism. V. Smolianski. *Vop. ekon.* no. 1: 81-90 Ja '67

Fraternization of the socialist countries. I. U. Bollnev, V. Tandit. *Nov. mir* 36 no. 10:133-143 O '62

Working out the methodological problems of the economic cooperation of the Comecon countries. A. Sokolov. *Vop. ekon.* no. 1:99-103 Ja '67

## MYCELIUM

Methodology of studying the mycelium of smut fungi in sprouts of cereals. G. A. Trunov, V. N. Ponomovskii. *Trudy KHSKH* 56 26-28 '66

## MYCETIN

Therapeutic use of mycelin D-17 in experiments on animals. A. I. Kav'ian, I. I. Demikhovskiy, P. P. Matsev. *zhur.* 18 no. 3 61-65 '63

## MYCETOMA

Three cases of mycetoma of the foot; on the X-ray characteristics of osseous changes. A. M. Iakovlev, A. M. Chistakov. *Vest. rent. i rad.* 11 no. 6:87-86 N-D '66

## MYCOBACTERIUM—CULTURES AND CULTURE MEDIA

Hydrolysis of steroid esters by *Mycobacterium*. K. A. Koshechenko, G. K. Skrobina. *Mikrobiologiya* 35 no. 6:1017-1023 N-D '66

## MYCOBACTERIUM TUBERCULOSIS

Effect of ultrasonic oscillations on *Mycobacterium tuberculosis*. V. S. Zolotov. *Vest. sel'khoz. nauk* [Kazakh.], 10 no. 1 77-80 Ja '67

## MYCOLOGY see Subdivision under White Russia

## MYCOLOGY—CONGRESSES

Forum of European mycologists. S. A. Simonian. *Biolog. zhur. Arm.* 19 no. 12:100-112 D '66

## MYCOBRHIZA

Effect of the application of mycorrhizal soil on the growth and output of Siberian larch seedlings. I. A. Fedotov. *Trudy Sel'khoz. inst.* 15 no. 3:31-37 '65

## MYCOSIS

Changes in the morphological composition of the peripheral blood in children exposed to roentgenological epilation in fungus diseases of the scalp. I. I. Pil'zer, E. G. Dolgov. *Med. rad.* 7 no. 10 35-38 O '62

Methodology for roentgenological epilation in mycoses of the scalp. A. G. Susev. *Med. rad.* 7 no. 10:25-27 O '62

Present-day aspects of the clinical course and treatment of *Trichophyton purpureum* infection. V. A. Rakhmanov, N. S. Potekhaev, O. L. Ivanov. *Sov. med.* 29 no. 11 117-122 N '66

## MYONEURAL JUNCTION

Effect of sympathomimetic amines on the neuromuscular apparatus of the crab and crayfish. M. I. A. Kuntsova. *Fiziol. zhur.* 49 no. 3 370-378 M '63

## MYOSINS

Choline esterase activity of myosin. M. M. Zaslavskii, S. V. Dzhibladze. *Soob. AN Gruz. SSR* 41 no. 2:311-316 N '66

Effect of ionizing radiation on the adenosinetriphosphatase activity of crystalline myosin. G. V. Chitorenidze. *Soob. AN Gruz. SSR* 27 no. 2 157-164 Ag '61

Relationship between cations and ATP and myosin and actomyosin monolayers. M. M. Zaslavskii, A. R. Egliazova. *Biophysika* 11 no. 5:785-790 '66

## MYOTONIA

Endocrine disorders in dystrophic myotonia. V. M. Dzhirzhyan, N. I. Kovalevskaya. *Sov. med.* 30 no. 1: 147-118 Ja '67

## NADARBAZEVI, LAKE (GEORGIA)—ZOOPLANKTON

Study of zooplankton in Lake Nadarbazovi. L. E. Kutubkize. *Soob. AN Gruz. SSR* 44 no. 2:461-468 N '66

## NAGORNO-KARABAKH AUTONOMOUS PROVINCE—VITICULTURE

Economic efficiency of concentrating viticulture in the Nagorno-Karabakh Autonomous Province. Sh. N. Mamedov, B. A. Osipova. *Lzv. AN Azerb. SSR. Ser. fiz. i tekhn. nauk* no. 5:97-106 '62

## NALADALES

Development of the pollen grains of *Helobina* and their relation with Nymphaeaceae. N. R. Meteor. *Bot. zhur.* 51 no. 12:1736-1740 D '66

## NAKHICHEVAN A.S.S.R.—SALT MINES AND MINING

Characteristics of rock deformation due to underground workings at the Nakhichevan Salt Mine. Sh. N. Mamedov, B. A. Osipova. *Lzv. AN Azerb. SSR. Ser. fiz. i tekhn. nauk* no. 5:97-106 '62

## NALACHEVA VALLEY—GEYSERS

The hot springs of the Nalacheva Valley. S. E. Aprelkov, I. U. Kharchenko. *Vop. geog. Kameh.* no. 1:104-105 '66

## NALBANDIAN, MIKAEL, 1829-1866

Journalist, A. O. [The problem of nationality in the publicistic work of Mikael Nalbadian] *Vopros natsional'nosti v publitsistike Mikaela Nalbadiana*. Erevan, Armianskoe gos. izd-vo, 1955. 86 p.



## NAL'CHIK—COMMUNIST EDUCATION

Training and educating young medical students. *Parizhskiy* no 2-64 Ja '67.

## NAL'CHIK—HEALTH RESORTS, WATERING PLACES, ETC.

"Fundamental principles of comprehensive treatment of patients at the Nal'chik Health Resort" by I. N. Seleznev, V. G. Rudykh, M. I. Bakharov. *Voprosy fizioter., lech. fiz. kul't.* 27 no 6 564-565 N-D '62.

## NALCHIK—MEDICINE—STUDY AND TEACHING

Training and educating young medical students. *Parizhskiy* no 2-64 Ja '67.

## NAMANGAN—CELLULOSE

The enterprise should be given a stable scientific basis. R. Satimbayev, M. Finkel'shtein. *Natsionalnoy Uzb.* 3 no 2 79-81 F '61.

## NAMES, ABKHAZIAN

History of the name "Ibrskil." G. V. Tsutsia. *Sov. etn.* no 6 84-89 N-D '66.

## NAMES, GEOGRAPHICAL

(see also subdivision under Crimean Mountains; Tigil' District; Turkmenistan)

Derivational variants of names of inhabitants in Russian and Ukrainian. V. O. Ilyayev. *Lezysk. i. lezysk. yk. yk.* no 2-34-41 '66.

## NAN SHAN REGION—PHYTOGEOGRAPHY

Phytogeographical observations in the deserts of the Nan Shan Corridor and northern border of the Nan Shan Mountain. L. M. Lavienko. *Bot. zhurn.* 51 no 12, 1812-1815 D '66.

## NAPHTHACENE—SPECTRA

Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 3. Naphthacene spectra in crystals of certain para-polyphenyls. A. V. Solov'ev. *Ukr. fiz. zhurn.* 4 no 5 615-628 '59.

## NAPHTHALENE

Alkylation of naphthalene,  $\alpha$ -methyl naphthalene, tetralin, acenaphthene, biphenyl, and fluorene by allyl alcohol in the presence of acid catalysts. D. A. Guseinov and others. *Dokl. AN Azerb. SSR* 22 no 9:30-32 '66.

Polymerization of vinyl naphthalene compounds of tar from gas pyrolysis. I. U. G. Mamedaliev and others. *Dokl. AN Azerb. SSR* 18 no 3 17-20 '62.

Reaction of diphenylchlorosilane with 1,4-dithiolane-1,4-dithiol naphthalene. K. A. Andrianov, A. I. Nogaidel, R. Sh. Tkeshelashvili. *Izv. AN SSSR, Ser. Khim.* no 12-2228-2229 '66.

Selecting temperature in production of naphthalene from petroleum stock. A. A. Kravchenko, A. V. Leshov, T. A. Titova. *Neft. i. neftekhim.* no 8 38-40 '66.

Study of factors affecting oxidation of industrial varieties of naphthalene to phthalic anhydride. N. D. Ruslanova and others. *Neft. i. neftekhim.* no 10:31-33 '66.

Synthesis of sulfamide derivatives of 2-phenylnaphthalene. N. R. Lohatze, R. M. Lagidze. *Soob. AN Gruz. SSR* 44 no 3:570-584 D '66.

## NAPHTHIC ACIDS

Catalytic esterification of naphthic acids by dimethyl ether. N. S. Kozlov, V. Sh. Pasternak, L. M. Starkova. *Uch. zap. Perm. ped. inst.* 32:69-71 '65.

Effect of concentration of equimolar mixture of potassium and manganese naphthenates on oxidation process of concentrates of naphthene hydrocarbons. O. S. Kachmar, A. N. Bodan, V. T. Sklar. *Neft. i. gaz. prom.* no 5:38-40 S-O '66.

Effect of naphthene acids on some metabolism aspects and yield of fine-fiber cotton cultivated under different conditions of fertilization. T. B. Baranova, K. M. Akopova. *Izv. AN Turk. SSR Ser. Biol. nauk* no 5:53-58 '66.

Effect of resins, naphthene acids, and water on the electrical properties of the system sodium soap—transformer oil [with summary in English]. Ch. M. Dekhvariy, L. A. Mukharaskala. *Koll. zhurn.* 23 no 3:272-275 My-Je '61.

Physicochemical characteristics of naphthene acids from Perm oils. N. S. Kozlov, L. I. Pingina, L. M. Starkova. *Uch. zap. Perm. ped. inst.* 32 62-68 '65.

## NAPHTHOIC ACID—PHYSIOLOGICAL EFFECT

Effect of salts (Na<sub>2</sub>, Mg, Ni<sub>2</sub> and Ba) of  $\beta$ -hydroxynaphthoic acid on glucose consumption in *Ascaris suum* Goeze, 1782. M. Lazdina, I. A. Pushkarev. *Med. parazit. i. parazit. bol.* 35 no 8:732-733 N-D '66.

## NAPHTHYLAMINE

Oxidation of  $\alpha$ -naphthylamine with oxygen catalyzed by copper stearate. L. N. Denisova, E. T. Denisov. *Izv. AN SSSR, Ser. Khim.* no 12:2220-2223 '60.

## NARYA (ESTONIA)—WOMEN IN THE TEXTILE INDUSTRY

Textile industry is a woman's branch ... *Vik. Polydn.* *Sov. profsoyuzny* 23 no 1:14-15 Ja '67.

## NARYN VALLEY—NATIVE RACES

Organization and work of the tribal councils of the aborigines of the Naryn Valley, 1920-1930. N. T. Onishchuk. *Trudy TGU* 158:176-186 '65.

## NATIONAL EMBLEMS see Emblems, National

## NATIONAL SONGS

Baskakov, D. G. [Biographies of emblems, flags, and anthems of foreign countries] *Biografiy gerbov, flagov, gimnov raznozhnykh stran*. Moskva, Polizdat, 1967. 158 p.

## NATIONALISM see subdivision under Turkey

## NATIONALISM AND SOCIALISM

On the rapprochement of nations. T. Karymshakov. *Lv. AN Kir. SSR* no. 7:75-81 S-O '66.

## NATIONALITIES

(see also subdivision under Africa; Soviet Central Asia)

Dakshleiger, G. T. [The October Revolution and the oppressed peoples of pre-revolutionary Russia] *Oktabr'skaya revolyutsiya i ugnennyye narody tsarskoj Rossii*. Moskva, Znanie, 1967. 47 p. (Novoe v zhizni, nauke, tekhnike. I Seriya Istoriya, no 2)

The friendship of peoples is our strength. P. Masherov. *Agitator* 34 no 2:8-14 Ja '67.

Some problems in the theory of nationalities. V. I. Kozlov. *Voprosy* 42 no 1:68-99 Ja '67.

## NATROLITE

Comparative characteristics of some zeolites based on infrared spectroscopy data and the form of molecular bond in natrolite water. G. V. Utkinovich and others. *Geokhimiya* no 10 840-854 '61.

## NATURAL GAS see Gas, Natural

## NATURAL HISTORY MUSEUMS see subdivision under Kiev

## NATURAL RESOURCES

Is there a limit to the growth of population? Mankind and the resources of the earth. V. V. Pokshishevskiy. *Priroda* no 1 11-23 Ja '67.

There are resources everywhere. V. M. Akimov, A. M. Troianskiy. *Fut. i puti khaz.* 10 no 9:10 '66.

## NATURAL RESOURCES—CONGRESSES see subdivision under Kom. A. S. S. R.

## NATURE STUDY

I give my heart to children. V. A. Sukhomlinskii. *Nach. shkola* 35 no 1 8-17 Ja '67.

The use of current material during lessons in nature study. L. E. Maksimova. *Nach. shkola* 35 no 2:34-37 F '67.

## NAUTICAL ASTRONOMY

Krasavskiy, B. I. [Instruments and methods of nautical astronomy] *Instrumenty i metody nauchekhodnoy astronomii*. Moskva, transport, 1960. 88 p. (Biblioteka sudovoditel'nykh i morskogo flota)

## NAUTICAL CHARTS

Underwater dangers of navigation. L. Maslennikov. *Mor. flot* 27 no 1:41-12 Ja '67.

Use of the "Pol'ma" map comparing device. E. Filatov. *Mor. flot* 27 no 1:23-24 Ja '67.

## NAVAL ART AND SCIENCE

[Naval forces in a future war, a collection of translated articles] *VMS v budushchey volno, sbornik perevodnykh statei*. Predisl, A. T. Chabanenko. Moskva, Voen. izd-vo M. V. oboron. SSSR, 1964. 301 p. (GOSTU)

## NAVAL LAW

[Handbook of international military and naval law] *Voenno-morskoy mezhduarodno-pravovoy spravochnik*. [By] P. D. Barabola i dr. Moskva, Voenizdat, 1966. 500 p.

## NAVIGATION see subdivision under Issyk-Kul'

## NAVIGATION (AERONAUTICS)

Visual detection of pinpoint targets. G. Molokanov. *Av. i kosm.* no 2:33-36 F '67.

## NEAR EAST—DESCRIPTION AND TRAVEL

A trip to Yemen, Kuwait, and Jordan. L. V. Stroeve. *Palest. sbor.* no 15:223-238 '66.

## NEAR EAST—FOREIGN RELATIONS—GREAT BRITAIN

Akademika nauk SSSR. Institut narodov Azii. [England's policy in the Near and Middle East, 1945-1965] *Politika Anglii na Blizhnem i Srednem Vostoke (1945-1965)*. Moskva, Nauka, 1966. 430 p.

## NEAR EAST—HISTORY

The Arabs. R. A. Guseinov. *Palest. sbor.* no 15:101-106 '66.

The Third All-Union Conference on the History, Culture, and Philology of the Ancient East. N. E. Semper. *Vest. drev. ist.* no 4:225-230 '66.

## NEAR EAST—LAND TENURE

The lands of kings and poleis in the Syria of the Hellenistic and Roman periods. I. Sh. Shifman. *Palest. sbor.* no 15:91-103 '66.

## NECK—INNERVATION

Changes in the action potentials of the cervical sympathetic trunk and superior cervical sympathetic ganglion of guinea pigs in ontogeny. M. A. Glushina. *Biol. eksp. biol. i med.* 63 no 1:7-10 Ja '67.

Myelination of preganglionic fibers of cervical sympathetic trunks in rabbits in postnatal ontogeny. A. G. Kudantseva. *Biol. eksp. biol. i med.* 63 no 1:93-96 Ja '67.

## NECTAR (BOTANY)

Fertilizers and nectar productivity of buckwheat. K. Filippov. *Zemledelie* 29 no 1 74 Ja '67.

## NECTARIES

More about a possible biological function of nectarines. E. N. Gerasimova-Navashina. *Bot. zhurn.* 51 no 12:1748-1750 D '66.

## NEFEDOV, STEPAN DMITRIYEVICH, 1876-1959

A rare talent. V. I. Borisov. *Sov. akkh.* no 5 105 '66.

## NEFTYANYE KAMNI—PETROLEUM AS FUEL

Production of diesel oil from Neftiyanie Kamni crude by a direct deasphalting of fuel oils. A. M. Kuliev and others. *Shor. trudy AN NII NP* no 3 171-180 '60.

## NEFTYANYE KAMNI OIL FIELD—PETROLEUM PRODUCTION

Pier furrows the Caspian Sea. V. Bogomolov. *Neftiyanie* 11 no 8:7 Ag '66.

## NEGREEV, V. F. 1903-

V. F. Negreev's scientific, pedagogical, and other activities. *Trudy Inst. khim. AN Azerb. SSR* 7:105-4 '64.

## NEGROES—CIVIL RIGHTS

Baldwin, James. [Nobody knows my name. Translated from English] *Nikhto ne znale molno imeni*. Kiev, Molod', 1966. 50 p. (Ochyma svydkiv).

## NEKRASOV, NIKOLAI ALEKSEYEVICH, 1821-1877

Chukovskiy, K. I. [Collected works in six volumes] *Sobranie sochineniy v shesti tomakh*. Moskva, Khudozhn. lit-ra.

Vol. 4. [Nekrasov's artistry] *Mastovaya Nekrasova*. 1966. 764 p.

## NELEGER VALLEY—CONGLOMERATE

Conglomerates of fine pebbles on the boundary of the Jurassic and Tertiary in the southern part of cape Chekunova in the middle of the Neleger River. M. M. Khov. *Inform. biul. NIIG* no 15 13-17 '59.

## NEMATODA

(see also subdivision under Maritime Territory; Moldavia)

Brain diaphorotomylus in deer raised for antlers. E. I. Pradko. *Vest. sel'khoz. nauki* [Kazakh.] 19 no 1 106-108 Ja '67.

A new anthelmintic for controlling goose ambliostomiasis. M. V. Katkov. *Vest. sel'khoz. nauki* 11 no 12:181-186 11 '65.

Strablin, K. I., A. A. Sobolev, and V. M. Ivashkin. *Spizidoe* of animals and man and diseases caused by them. *Spiru-lyal'nyy zhivotnykh i cheloveka i vyzvayemye imi zabolovaniya*. Moskva, Nauka.

Pl. 3. [Acuariidae] *Akuarioidel.* 1966. 572 p. (Akademika nauk SSSR. Gel'mintologicheskaya laboratoriya. Osnovy nematodologii, vol. 14)

## NEMATODA—EXTIRMINATION

Root knot nematodes in the Kara-Kalpak A. S. S. R. Z. Narbaev. *Zashch. rast.* 12 no 1:57 '67.

## NEMATODE DISEASES OF PLANTS

(see subdivision under Moldavia; Tajikistan)

Aphelenchoides besseyi Chittall, 1942 (Nematoda, Aphelenchoididae) and its control. L. V. Tikhonova. *Zh. zhurn.* 45 no 12:1759-1760 '66.

Effect of Ditylenchus destructor Thorne on carbohydrate and nitrogen content in potato tubers. S. P. Ivanova, M. G. Bolshova. *Zool. zhurn.* 45 no 12:1876-1877 '66.

Effect of regeneration processes in potato on its infectibility by stem nematode. I. V. Plumb, A. G. Muge. *Parazit. zhurn.* no 2:200-210 '66.

Sources of the infection of plants by nematodes. A. Ustinov, V. Zinov'ev. *Zashch. rast.* 12 no 1. 27-28 '67.

## NEODYMIUM SALTS

Thermal decomposition of neodymium dicarboxylates. B. S. Arikov, V. V. Serebrennikov. *Trudy TGU* 161 73 78 '65.

## NEON—DECAY

Use of optical pumping for studying the decay of neon levels. I. M. Beterov, V. P. Chebotayev. *Opt. i spekt.* 21 no 5:654-656 N '66.

## NEOPRENE

Use of the compound of SKD rubber with neoprene in the production of technical rubber goods. F. B. Kudumov and others. *Kauch. i rez.* 25 no 12:11-13 '60.

## NEPAL—HYDROELECTRIC POWER

Determination of waterpower resources in Nepal, Shresthika Khairi Man, Shor. 1 ab po glidol no 6 132-138 '66

## NEPES, MOLL

Molluscs on fragrant and comical subjects, I. I. Sosnitskii, Izv. AN Turk. SSR Ser. obshchestv. nauk no. 5:21-31 '66.

## NEPHELINE SYNTHE see subdivision under Lovo/elo Tundras

## NEPHELITE

Nepheline cement is a fireproof, highly active binding material, I. I. Buzhinov, V. I. Kavalerova Shor. 1 ab po glidol no 11:9-12 N '61.

## NEPRIKHAH, GAVRIL GEORGIEVICH, 1896-

Professor, Gavril Georgievich Neprikhah, Arkh. pat 28 no 12 71 '66.

## NERPECH'YU LAKE REGION (KAMCHATKA)—GEOLOGY

Structure of the depression of Lake Stolbovoye and Lake Neprich'ye, V. A. Seliverstov, M. I. Khodan, M. N. Shapira, Vop. geog. Kamch. no. 1:107-109 '65

## NERVES

Giant Mauthner's neurons D. A. Siskatov, Usp. sov. biol. 52 no. 1:112-121 Ji-Ag '61

Impulse distribution in nerve fiber, A. S. Kompaneets, V. I. Gurvich Biophysika 11 no. 5:913-916 '66

Study of impulse activity of neurons by methods of accidental processes theory, A. B. Kogon, I. I. Potunin, G. G. Gorstian, Biophysika 11 no. 5:887-893 '66

Use of gamma dispersion for detecting spontaneous activity of nerve cells, L. N. Naumovskiy, V. Maghazik Biophysika 11 no. 5:824-826 '66

## NERVES, PERIPHERAL

Electric activity of the hippocampus during peripheral stimulations A. A. Ungulize, Fiziol. zhur. 52 no. 12:1420-1427 D '66.

Treatment of lesions of the peripheral nervous system in brucellosis with vaccine and alcohol-novorainic injections D. Kh. Paleva, Shor. nauch. tr. I. SOGMI no 10:117-119 '61.

## NERVES, RADIAL—WOUNDS AND INJURIES

Exposure therapy in transplantation of the flexor carpi radialis following lesion of the radial nerve, V. P. Zubynin, Shor. nauch. tr. Azovo-Cher. Inst. mekh. sci. khim., no. 14:68-70 '66.

## NERVES, SPINAL

Characterization of the biopotentials of the anterior spinal roots in postischemic spasticity, V. P. Fedorov Fiziol. zhur. 10 no. 3:327-328 Mi '63

Effect of bromide on spinal polysynaptic inhibition G. A. Danilov, N. M. Akovlev, Zh. G. Aleksandrov, Fiziol. zhur. 52 no. 12:1428-1433 D '66.

Effect of chronic pain stimulations on spinal reflexes G. I. Danilov Fiziol. zhur. 52 no. 11:1356-1358 N '66.

Rapid and slow changes in the potentials of afferent fibers of the dorsal root and spinal cord, T. M. Mamonets, Fiziol. zhur. [Ukr.] 12 no. 6:726-737 N-D '66

Synaptic mechanisms of vestibulospinal effects on  $\alpha$ -motoneurons, A. I. Shupovnikov, G. G. Kuchavyi, M. P. Shogonova Fiziol. zhur. 52 no. 12:1401-1409 D '66.

## NERVES, SPINAL—INFLAMMATION

Treatment of lumbosacral radiculitis with mineral radon baths, L. P. Kolitkovskiy, Vop. kur., fizioter. i lech. fiz. kul. 31 no. 6:521-523 '66

Ultra-sound treatment of lumbosacral radiculitis, V. I. A. Vlasova, A. G. Mamedov, A. P. Fevralova, Trudy Turk. nauch. -issl. inst. klim., kur. i fiz. metod. lech. 8:32-31 '65.

## NERVES, SPINAL—WOUNDS AND INJURIES

Conduction of excitation through the spinal reflex arc following injury and regeneration of fibers of the posterior roots, L. N. Annatova, T. N. Nosmianova, Fiziol. zhur. 52 no. 12:1434-1440 D '66.

## NERVOUS SYSTEM

Adrenaline and diazepam test in young children, I. F. Chumakova Shor. nauch. tr. SOGMI no. 10:106-112 '61.

Aftereffect of motor reactions as an indicator of the individual characteristics and the functional state of the higher nervous activity in man, N. I. Budnik, Zhur. vys. nerv. deiat. 12 no. 6:1020-1033 N-D '62.

Characteristics of shock origin and course in dogs with different types of higher nervous activity, V. I. Popov, G. A. Blazhkin, G. A. Katsava Biol. zhur. Arm. 10 no. 12:65-69 D '66.

[Dynamics of neuron networks, reports] Dinamika neironnykh setei; sbornik dokladov, Vilnius, 1966, 92 p.

Effect of intestinal lavages on the functional state of the central nervous system, G. V. Sukhinov Vop. kur., fizioter. i lech. fiz. kul. 27 no. 6:521-524 N-D '62.

Electrophysiological analysis of afferent junctions of ileocecal region of intestines with central nervous system, I. E. R. Dziadziulia, Vest. AN SSSR Ser. biol. nauch. no. 4:87-92 '66.

Rumination center and its functional relations in cattle P. M. Kuz'min Fiziol. zhur. 49 no. 3:346-352 Mi '63

The use and development of the principle of causation in A. A. Ukhomskii's studies on the activity of the nervous system, I. U. Savin Vest. Mosk. un. Ser. 6 Filos. 21 no. 6:39-49 N-D '66

## NERVOUS SYSTEM—CANCER

Materials on blastogenic effect of ionizing radiation on tissue structures of central nervous system, I. N. Dimant and others, Arkh. anat., gist. i embi., 51 no. 12:61-70 D '66.

## NERVOUS SYSTEM—DISEASES

(see also subdivision under Azerbaijan; Germany)

[Diseases of the cardiovascular and nervous systems and metabolic diseases; papers by doctors and consultants of therapeutic and prophylactic institutions of the Administrative Office of the Academy of Sciences of the U.S.S.R., | Zabelevania sudechno-sousudistoi, nevroi sistem i bolezni obmena veshchestv, raboty vrachei i konsultantov lechenno-profilakticheskikh uchrezhdenii upravleniya delami AN SSSR, Moskva, Nauka, 1966, 208 p. (DNLM)]

Effectiveness of treating diseases of the peripheral nervous system with mineral water from well 1-g of the Tityuz Pass, V. A. Krivonogova, L. N. Kaparova, Trudy Turk. nauch.-issl. inst. klim., kur. i fiz. metod. lech. 8:20-25 '65.

## NERVOUS SYSTEM—FISHES

Relationship between number of receptors and the size of different parts of fish brain, N. V. Bodrova, Trudy Inst. biol. vmur. vod., no. 10:272-277 '66.

## NERVOUS SYSTEM—WORMS

Albomucase effect on nervous activity in Planaria A. N. Cherkashin, L. M. Shelman, Dokl. AN SSSR 171 no. 4:985-988 D '66

## NERVOUS SYSTEM, AUTONOMIC

Changes in the state of the vegetative nervous system in healthy persons following a single application of orocelate on the stomach, I. U. M. Volchuev, Trudy Turk. nauch.-issl. inst. klim., kur. i fiz. metod. lech. 8:54-59 '65.

Changes in the vegetative nervous system in hypotension syndrome in Turkmenistan, M. A. Lyenko, A. S. Sat'ev Trudy Turk. nauch.-issl. inst. klim., kur. i fiz. metod. lech. 8:63-72 '65

Effect of aminazine and serpasid on the vegetative nervous system in achilophrontics, R. F. Kokanbaeva, Trudy Gos. nauch.-issl. inst. psikh. 26:137-146 '61.

Effect of the Dzhang mountain climate on vegetative changes in the organism according to data of electrotonometry and electric resistance of the skin, L. B. Kreinina, Shor. tr. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 6:210-213 '62

Mental and vegetative metabolic disorders in brucellosis, Z. A. Kopli-Levina, Trudy Gos. nauch.-issl. inst. psikh. 26:252-258 '61.

Vegetative disturbances in infectious diseases with mental disorders, M. A. Gol'denberg, Trudy Gos. nauch.-issl. inst. psikh. 26:168-174 '61.

## NERVOUS SYSTEM, AUTONOMIC—DISEASES

Dynamics of oxidative processes and vegetative disorders in alcoholic delirium, T. S. P. Korolenko, Trudy Gos. nauch.-issl. inst. psikh. 26:325-329 '61.

State of the vegetative nervous system in infectious polyarthritis under the influence of Chukhuryud sulfon baths, L. B. Kreinina, Shor. tr. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 6:185-189 '62

## NERVOUS SYSTEM, EFFECT OF RADIATION ON

Characteristics of the formation and functioning of temporary connections in early postnatal ontogenesis in puppies irradiated on the 20th day of embryogenesis, M. G. Airapetants, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:27-37 '62.

Characteristics of the formation and functioning of temporary connections in early postnatal ontogenesis in puppies irradiated on the 45th day of embryogenesis, M. G. Airapetants, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:11-26 '62.

Comparative morphological study of changes in the brain of rats irradiated with doses of 50, 150 and 200 r on the 12th day of their embryonic development, M. M. Aleksandrovskaya, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:125-137 '62.

Conditioned reflex activity in adult white rats exposed to the action of ionizing radiation during the organogenetic stage, M. B. Gol'dberg, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:58-70 '62.

Disorder of the activity of the higher portions of the central nervous system in animals exposed to X-ray doses of 25 r during the fetal period of their antenatal development, I. A. Kolomeitseva, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:71-81 '62.

Higher nervous activity in middle-aged rats exposed once to ionizing radiation during the fetal period of their antenatal development, I. A. Pionkovskiy, I. A. Kolomeitseva, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:82-89 '62

Higher nervous activity of sexually mature rats of middle age exposed to repeated ionizing irradiation during the period of their antenatal development, I. A. Pionkovskiy, V. N. Semagin, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:90-101 '62

Histopathological changes in the brain of rats irradiated with X rays in the early postnatal period, N. I. Artukhina, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:145-157 '62

Mobility of nervous processes in dogs of different ages irradiated antenatally with ionizing radiation, M. G. Airapetants, Zhur. vys. nerv. deiat. 12 no. 6:1055-1064 N-D '62

Morphological changes in the brain of rabbits irradiated in the last stages of their antenatal development, I. A. Chernyshevskaya, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:138-144 '62

Some characteristics of the formation and development of the functions of the higher portions of the central nervous system in rabbits exposed to ionizing irradiation during the period of their intrauterine development, R. I. Kruglikov, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:58-57 '62

Two mechanisms of functional disorders of the brain in animals irradiated during the period of embryonic development, A. M. Ivanitskiy, Trudy inst. vys. nerv. deiat. Ser. patofiziol. 10:102-115 '62

## NERVOUS SYSTEM, SYMPATHETIC

Changes in the action potentials of the cervical sympathetic trunk and superior cervical sympathetic ganglion of guinea pigs on ontogeny, M. A. Elshina Biol. eksp. biol. i med. 63 no. 1:7-10 Ja '67.

Convergence in the superior sympathetic ganglion in cats, V. I. Skok, O. I. Ivanov, R. P. Bukolova Fiziol. zhur. [Ukr.] 12 no. 6:721-727 N '66.

Effect of the sympathetic nervous system and adrenaline on the potentials of the dorsal surface of the adrenal cord, M. A. Bagramova Fiziol. zhur. 52 no. 11:1304-1310 N '66

Myelination of preganglionic fibers of cervical sympathetic trunks in rabbits in postnatal ontogeny, A. G. Kadantseva, Biol. eksp. biol. i med. 63 no. 1:93-96 Ja '67.

## NESHCHADYMENKO, MARKO PETROVYCH, 1889-1942

M. P. Neshchadymenko and his significance in the development of medical microbiology, on the 20th anniversary of his death, S. S. Diachenko Mikrobiol. zhur. 24 no. 5:71-75 '62

## NESIN, AZIZ

Intellectuals must demonstrate courage, Aziz Nesin, Az. i Afr. seg. 10 no. 1:20-30 Ja '67.

## NETS (MATHEMATICS)

Binary matrices of formal neurons, A. S. Kuzichev Vest. Mosk. un. Ser. 1 Mat., mekh. 22 no. 1:51-55 Ja-F '67.

Col'tond, A. O. [Calculus of finite differences] Ischiennie konechnykh raznostei. Izd. 3, Ispr. Moskva, Nauka, 1967, 375 p.

Method of finite differences for Navier - Stokes equations, A. Krzhivitskiy, O. A. Ladyzhenskaya, Dokl. AN SSSR 167 no. 2:309-311 Mi '66.

Plane integration nets, I. V. Vitenkin, Zhur. vych. mat. i matemat. fiz. 7 no. 1:189-196 Ja-F '67

Solving the Tricomi problem with the general condition of joining by the method of nets, F. A. Tagiev, Izv. AN Azerb. SSR. Ser. fiz.-tekh. i mat. nauk no. 4:48-53 '66

## NEURASTHENIA

Clinical characteristics of functional disorders of the nervous system in relation to climatotherapy at Chukhuryud, A. I. Gashimova, Shor. tr. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech. no. 6:90-92 '62.

## NEURITIS, MULTIPLE

Study of early stages of experimental allergic polyneuritis. Pathomorphological and immunological characteristics, O. A. Karasik, V. F. Melnikova Biol. eksp. biol. i med. 63 no. 1:97-104 Ja '67.

## NEUROLOGY

Materials of neurological examination of workers of Aleshabad Meat Combine, L. M. Sultanova, R. P. Postavskiy, Trudy Turk. nauch.-issl. inst. klim., kur. i fiz. metod. lech. 8:134-139 '65.

Neurological syndromes in lesions of the aorta, N. K. Bogolepov, L. G. Erokhina, Zhur. nev. i psikh. 62 no. 11:1689-1673 '62

## NEUROPSYCHIATRY

(see also subdivision under Kemurovo Province, Siberia, Western; Tomsk Province, Ural Mountain region)

Basic trends of the therapeutically-diagnostic and social prophylactic work of psychoneurological dispensaries  
T. I. Gol'dovskaya Trudy Gos. nauch.-issl. inst. psikh. 26 143-153 '61.

Characteristics of the course of typhoid, paratyphoid and other diseases in neuropsychiatric patients.  
Trudy Gos. nauch.-issl. inst. psikh. 26 296-304 '61

Lutina, R., and L. S. Tselkova [Neuropsychological analysis of problem solving disorders of the process of problem solving in focal lesions of the brain]  
Neiropsikholicheskiy analiz resheniya zadach; naru-sheniye resheniya v osheniya zadach pri lokal'nykh porazheniyakh mozga. Moskva, Prosveshcheniye, 1966, 289 p.

Neuropsychic disorders of the disintoxic function of the liver in Botkin's disease. G. A. Shepelov Trudy Gos. nauch.-issl. inst. psikh. 26 280-293 '61

State norms for psychoneurological service in the light of the legislation on mental patients I. A. Berger Trudy Gos. nauch.-issl. inst. psikh. 26 405-421 '61.

## NEUROSECRETION

Rest potentials of the secretory cells of the submaxillary and sublingual glands in cats and their "spontaneous" changes following intracellular derivation S. D. Kovtun Fiziol. zhur [Ukr.] 12 no. 6 761-786 N-D '66

## NEUROSES

Alcoholism and the organization of the treatment of alcoholic diseases, based on data of psychoneurological institutions of the R. S. F. S. R. V. M. Banskhiyev, I. S. Tolovitch Trudy Gos. nauch.-issl. inst. psikh. 26 309-316 '61.

## NEUTRINOS

Rest mass of a muon neutrino and cosmology. S. S. Gershtein, I. A. B. Zeldovich Fiz. v ved. Zhur eksper. i teoret. fiz. 4 no. 5 174-177 S '66

## NEUTRINOS—SCATTERING

Neutrino scattering by protons and simulation of anomalous muon interaction V. S. Gurgendze Soob. AN Gruz. SSR 44 no. 2 285-288 N '66

## NEUTRON BOMBARDMENT

Structural changes in quartz at  $\alpha + \beta$  transitions and neutron irradiation L. V. Kolontsova, I. V. Telegina Fiz. tver. tela 8 no. 12 3412-3414 N '66.

## NEUTRONS

Beliaev, V. B., and R. A. Eramzhian. [Neutron asymmetry due to  $\mu$ -capture on nuclei] K voprosy ob asimetrii li neitronov pri  $\mu$ -zakhvate na iadrakh Dubna, 1967, 8 p.

Grigor'ev, I. S., and V. M. Novikov. [Neutron diffusion in heterogeneous media] Diffuziya neitronov v geitrogen-nnykh sredakh Moskva, Atomizdat, 1966, 174 p.  
Interaction between 14.4 Mev. neutrons and 14N, B. Antolkovic and others. Izv. AN SSSR Ser. fiz. 31 no. 1 110-112 Ja '67.

## NEUTRONS—SCATTERING

Cross section of slow polarized neutron scattering in uniaxial ferromagnetic materials. E. V. Zorochentsev, V. A. Popov Fiz. met. i metalloved. 22 no. 4 487-197 Q '66.

Elastic scattering of neutrons and protons on nuclei. O. H. Sytenko, V. F. Kharchenko, Ukr. fiz. zhur. 4 no. 5 560-576 S-Q '69.

Neutron scattering in ferromagnetic crystals containing impurities with negative exchange linkage. I. U. A. Izumov, M. V. Medvedev. Fiz. met. i metalloved. 22 no. 6 801-809 D '66

Scattering of kilovolt neutrons by lead and the electric polarizability of a neutron. I. U. A. Aleksandrov and others. Fiz. v ved. Zhur. eksper. i teoret. fiz. 4 no. 5 195-200 S '66.

## NEVRNOMYSK (STAVROPOL TERRITORY)—CHEMICAL PLANTS—EQUIPMENT AND SUPPLIES

Keep up strictly with the schedule of equipment repair. A. N. Liovala. Bezop. truda v prom. 11 no. 1 28-29 Ja '67

## NEVRAEV, GLEB ALEKSANDROVICH, 1902-

Gleb Aleksandrovich Nevraev; on his 60th birthday. Vop. kur. i iziot. i lek. fiz. kult. 27 no. 6 567-568 N-D '62

## NEW PRODUCTS

Determining the advantages of changing the assortment with the aid of nomogram. Ekon. i mat. metod. 3 no. 1 139-143 Ja-F '67.

## NEW STARS see Stars, New

## NEW YORK (CITY)—BRIDGES, SUSPENSION

Suspension bridge across the Verrazano Narrows. E. F. Kolliar. Transp. stroi. 16 no. 3 56 Mr '66.

## NEW YORK (CITY)—REINFORCED CONCRETE CONSTRUCTION

Large-panel reinforced concrete structural elements for production building of food industry. Prom. stroi. i inzh. soor. 8 no. 6 31-32 N-D '66.

## NEW ZEALAND—SHEEPSHEARING

Godfrey Bowen's skill. Rud. Bershadskii. Zakup. sel'khoz. prod. no. 12 19-51 D '66.

## NEWCASTLE DISEASE VIRUS

Study of antineoplastic effect of Newcastle virus K. D. Elstavi and others Soob. AN Gruz. SSR 14 no. 3 765-769 D '66

## NEWSPAPER PUBLISHING

The future of newspapers, experience and trends in the capitalist countries Franz Knipping Vest. Mosk. un. Ser. lit. zhur. 21 no. 6 51-69 N-D '66

## NEZHIN REGION—CUCUMBERS

Growing cucumbers in the area of the Nezhin Canning Combine L. A. Gorodeiskina Kons. i ov. prom. 22 no. 1 22-24 Ja '67

## NIACIN see Nicotinic acid

## NICKEL

Magnetooptical measurements as source of information about electron structure of ferromagnetic nickel. L. A. Afanas'eva, G. A. Zolotarev, M. M. Voskov. Fiz. met. i metalloved. 22 no. 6 828-832 D '66

## NICKEL—CORROSION

Nickel passivation in sulfuric acid solutions N. I. A. Bano. Zashch. met. 3 no. 1 50-54 Ja-F '67.

## NICKEL—MAGNETIC PROPERTIES

Change in shear modulus of deformed nickel in magnetic field. V. A. Trannuk, Dokl. AN BSSR 10 no. 11 856-858 N '66.

## NICKEL, EFFECT OF TEMPERATURE ON

Mechanism of high-temperature oxidation of nickel V. I. Aikharov, S. I. Ivanovskaya, A. S. Kivonovskaya. Fiz. met. i metalloved. 22 no. 6 801-809 D '66

## NICKEL-CARBON ALLOYS

T-P-C equilibrium diagram of the nickel-carbon system. E. G. Pomatovskii, I. L. Aptekari, T. P. Ershova. Dokl. AN SSSR 171 no. 4 910-912 D '66.

## NICKEL CATALYSTS

Effect of degassing conditions on passivation and magnetic properties of nickel catalyst bearers. I. U. G. Shikakov, I. P. Kirillov. Izv. v. s. ucheb. zav. fiz. i khim. tekhn. 9 no. 5 738-743 '66.

Effect of modification on the course of hydrogenation of pseudonone in the presence of nickel catalysts. I. Kh. Freidlin, L. I. Givner, M. V. Boronova. Dokl. AN SSSR 171 no. 1 893-896 D '66.

## NICKEL-CHROMIUM ALLOYS—METALLURGY

Deoxidizing capacity and activity of titanium in nickel-chromium alloys P. A. Cherkasov, V. V. Averin, A. M. Samarin. Izv. AN SSSR. Met. no. 1 40-55 Ja-F '67.

## NICKEL-CHROMIUM-IRON ALLOYS—MAGNETIC PROPERTIES

Susceptibility of elinvar alloys to spin paramagnetism. B. P. Khromov, B. A. Akurzanin. Fiz. met. i metalloved. 22 no. 4 551-555 Q '66.

## NICKEL-CHROMIUM-IRON ALLOYS—METALLOGRAPHY

Detecting concentration heterogeneities in K40KhM alloy. I. U. A. Skakov and others. Izv. v. s. ucheb. zav. i khim. met. 10 no. 1 120-130 '67.

## NICKEL COMPOUNDS

Compounds of Eu<sub>2</sub>Ni<sub>17</sub> and EuNi<sub>5</sub> and their crystal structure. V. F. Terchikova and others. Izv. AN SSSR. Met. no. 1 205-207 Ja-F '67.

Study of oxidized nickel dimethylglyoximate by means of ion exchange. M. K. Boreiko, E. I. Kazantsev, I. I. Kalinchenko. Zhur. neorg. khim. 12 no. 1 269-273 Ja '67.

## NICKEL-COPPER-COBALT ALLOYS see Copper-nickel-cobalt alloys

## NICKEL-COPPER-ZINC ALLOYS see Copper-nickel-zinc alloys

## NICKEL DIETHYLDITHIOPHOSPHATE

Photometric determination of copper in soils using nickel diethyldithiophosphate. A. I. Busev, A. A. Nemodruk. Pochvovedenie no. 1 110-111 Ja '67.

## NICKEL ELECTRODES see Electrodes, Nickel

## NICKEL FERRITES—MAGNETIC PROPERTIES

Dependence of saturation magnetization and electric resistance of nickel-zinc-cobalt ferrites with an induced rectangular hysteresis loop on phase constitution. A. D. Sokolov, M. N. Fedorova. Fiz. met. i metalloved. 22 no. 4 631-632 Q '66.

## NICKEL FILMS

Chemical nickel coating of fine alloys F. V. Stepanov, L. I. Ganago Zashch. met. 3 no. 1 101-105 Ja-F '66.

## NICKEL INDUSTRY—COSTS

Influence of ore losses and contamination on the cost of soluble nickel V. A. Komov, Izv. v. s. ucheb. zav. i khim. 8 no. 1 11-11 '65.

## NICKEL-IRON-ALUMINUM ALLOYS see Iron-nickel-aluminum alloys

## NICKEL-IRON-TITANIUM ALLOYS see Iron-nickel-titanium alloys

## NICKEL ORES see subdivision under Alta Valley

## NICKEL PLATING

Using a rotating disk electrode in the polarization studies of nickel plating electrolytes. S. S. Kuznetsov, I. V. Semina, N. F. Kudavtsev. Zashch. met. 3 no. 1 21-25 Ja-F '67

## NICKEL PLATING—EQUIPMENT AND SUPPLIES

Phosphosphate electrolyte for nickel plating of steel parts. V. I. Anisimov, B. I. Reizin, L. I. Derzhabin. Vopr. metalloved. 17 no. 1 52-53 Ja '67.

## NICKEL SILICATES

Pseudomorph of nickel hydrosilicate by millerite. B. M. Trilupa. Trudy TGU 16 16-20 '63.

## NICKEL STEEL—METALLOGRAPHY

Change of martensite structure in nickel steels during aging G. V. Kudumov, L. K. Mikulov. Fiz. met. i metalloved. 22 no. 6 841-843 D '66.

## NICOTINALDEHYDE

Structure and reactivity of nitrogen-containing derivatives of carbonyl compounds. Report No. 16 Polatskaya study of nicotinic hydrazide and some nicotinamide derivatives. I. U. P. Kitarov, G. K. Rudnikov. Izv. AN SSSR i khim. no. 1 17-22 Ja '67.

## NICOTINAMIDE—THERAPEUTIC USE

Effect of nicotinamide on the healing of closed fractures in irradiated animals F. Kh. Seifullin. Med. rad. i onkol. 55-59 Q '62.

## NICOTINIC ACID

Effect of nicotinic acid on blood coagulation, blood hepatic content and the clearing factor in patients with atherosclerosis. L. I. Gerasimova. Kardiol. i kardiologiya 3 no. 1 61-64 Jan.-F '63.

Effect of nicotinic acid on the fibrinolytic activity of the blood in atherosclerosis. M. G. Skornikovskii. Kardiologiya 3 no. 1 64-68 Jan.-F '63.

Structure and reactivity of nitrogen-containing derivatives of carbonyl compounds. Report No. 16 Polatskaya study of nicotinic hydrazide and some nicotinamide derivatives. I. U. P. Kitarov, G. K. Rudnikov. Izv. AN SSSR i khim. no. 1 17-22 Ja '67.

Thermal stability of rare earth nicotinates. B. A. Chel'kina, V. V. Serebrennikov. Trudy TGU 16 15-16 '65.

## NICOTINIC ACID, EFFECT OF RADIATION ON

Stability of water solutions of nicotinic and nicotinamide during irradiation with penetrating doses of gamma rays. I. U. M. Filippov, A. I. Chugunov, T. L. Filimova. Kons. i ov. prom. 22 no. 1 16-19 Ja '67.

## NIEBUHR, REINHOLD, 1892-

Reinhold Niebuhr's "Christian realism" as a manifestation of the political time-serving of present-day American Protestantism. I. U. F. Aashinov. Pyt. atelz. no. 1 123-128 '65.

## NIEMLER, MARTIN, 1892-

People and events: Milko Tarabanov; Martin Niemoller. Nov. vrem. 25 no. 7 18, 25 F '67.

## NIGERIA—COMMERCE—EUROPEAN ECONOMIC COMMUNITY COUNTRIES

Nigeria, associate member of the European Economic Community. N. Petrov. Mir. ekon. i mezhdunar. otn. no. 1 117-119 '67.

## NIGHT FIGHTING (MILITARY SCIENCE)

Company tactical exercise with field firing at night. S. Savchenko. Voen. vest. 41 no. 6 97-73 Je '61.  
Group exercise in night tactics. N. Bol'shakov. Voen. vest. 41 no. 6 73-76 Je '61

## NIGHT WORK

Wages for workers of state farms and other state enterprises for night work. A. Mangazeev. Ekon. sei. i uz. 42 no. 1 43-44 '67.

## NIKITIN, VASILII VASIL'EVICH, 1906-

V. V. Nikitin, Member Correspondent of the Academy of Sciences of Turkmen S. S. R. on his 60th birthday. R. A. Ovezmuradov, A. S. Mishchenko. Izv. AN Turk. SSR. Ser. biol. nauk. no. 6 80-84 '66.

## NIKOLAFVA-TENESHKOVA, VALENTINA

V. LADIMIROVNA, 1937-

Kolysh, M. T. [Daughter of the blue planet] Doshka  
[booklet] planety. Kyiv, Politydyav Ukrainy, 1965,  
133 p. (Istoriya i zoryanki knys)

## NIKOLAYEV—LONGSHOREMEN

Achievements of great deeds B. Nestorovskii. Mor. flot  
27 no. 10-11 Ja '67.

## NIKOPOL' REGION (UKRAINE)—GEOLOGY, STRUCTURE

Magnetic field and structure of the Nikopol'-Kryvyy Rog  
region N. P. Mikhailova. Geol. zhur. 19 no. 6 11-53  
'69

## NOBATES

Extraction-photometric determination of bismuth in no-  
bates by means of pyrazolinedithiocarbamates. A. I.  
Busev, V. M. Byi. ko. R. G. Zhukov, Vest. Mosk. un.  
Ser. 2: khim. 21 no. 6, 72-76 N-D '66

## NIOBium

Applying the dialysis method in the study of the state of  
niobium and tantalum in solution A. K. Rubko, H. I.  
Rykhlyna. Dop. AN URSS no. 7 921-924 '62.  
Genetic types of deposits and occurrences of niobium and  
tantalum. M. V. Kuz'menko. Trudy IMGIRI no. 4 142-  
171 '66.

## NIOBium—COLD WORKING

Changes in mechanical properties of niobium and  
niobium sheet depending on degree of prestraining.  
Trudy LPI no. 260 78-81 '65.

## NIOBium—METALLURGY

Reduction of niobium pentachloride by hydrogen B. N.  
Bitchik, G. V. Kuz'manov, H. D. Stroganov. Izv. AN SSSR  
Met. no. 1 226-232 Ja-F '67.

## NIOBium BROMIDE

Effect on diffraction examination of niobium and tantalum  
pentabromides V. P. Spitsidov, G. V. Romanov. Vest.  
Mosk. un. Ser. 2: Khim. 21 no. 6: 109-110 N-D '66.

## NISEN

Methodology of determining concentration of the anti-  
biotic nisen I. P. Baimanova, N. S. Egorov. Antibiotiki  
12 no. 1 88-90 Ja '67

## NITRATES—PHYSIOLOGICAL EFFECT

Effect of nitrates and nitrites on some digestive enzymes.  
V. I. Popov. Vop. pit. 25 no. 6-29-31 N-D '66

## NITRATION

Study of the nitration kinetics of metallic manganese.  
I. H. Baitashvili, V. M. Betezhiani. Soob. AN Gruz.  
SSR 27 no. 2: 109-112 Ap '61.

## NITRIC ACID

Production of nitroaliphatics at the Andizhan Hydrolysis  
Plant. B. M. Babovnikov and others. Akad. khim. i  
biokhim. prom. 15 no. 5 17-19 My '62

Thermodynamic of binary systems. Part 3: Systems  
nitric acid - extraction agent. H. A. Afanas'ev, A. V.  
Nikolaev, V. B. Danasov. Khimicheskii no. 6: 702-705  
'66.

## NITRIDES

Addition of nitrides to steel and slag. S. K. Chuchmar'ev,  
O. A. Eshin, V. M. Kamyshev. Izv. vuz. nauch. zav. i chetn.  
met. 10 no. 1 16-20 '67.

## NITRILES

Splitting of  $\beta$ -ethoxynitrile group in cyanoethoxy-substi-  
tuted vinyl ethers by organomagnesium compounds.  
M. F. Shustakovskii and others. Dokl. AN SSSR 171  
no. 4: 887-889 D '66.

## NITRILES—THERMAL PROPERTIES

Experimental investigation of the heat conductivity of  
nitrite chloride. F. M. Dvornikov. Inzh. i fiz. zhur.  
H no. 6: 761-764 D '66.

## NITRITES—PHYSIOLOGICAL EFFECT

Effect of nitrites and nitrate on some digestive enzymes.  
V. I. Popov. Vop. pit. 25 no. 6-29-31 N-D '66.

## NITRO COMPOUNDS

Condensation of  $\alpha$ -aminophenylmercaptan with nitro-  
ketones and nitroacetonitrile. Synthesis of azacyanines.  
A. I. Kiprianov, T. M. Verbov'ka. Dop. AN URSS  
no. 7: 924-928 '63.

## NITROBENZENE

Catalytic interaction of nitrobenzene with cyclohexane,  
cyclohexene, and  $n$ -hexanes. N. S. Kozlov, N. K.  
Matveeva. Uch. zap. Perm. ped. inst. 39: 11-20 '65.

Catalytic interaction of nitrobenzene with hydrocarbons.  
N. S. Kozlov, N. K. Matveeva. Dokl. AN SSSR 172  
no. 3: 600-602 Ja '67.

Catalytic interaction of nitrobenzene with methyl alcohol  
and dimethyl ether. N. S. Kozlov, V. Sh. Pasternak.  
Uch. zap. Perm. ped. inst. 32 3-9 '65

Electric conductivity of the systems of nitrobenzene with  
carboxylic acids. R. M. Kulikova, T. F. Knazkova.  
Trudy TGU 185 93-98 '65

Influence of temperature on the correlation of solvato-  
chromic effect and rate constants of hydrogenation of  
some nitrobenzene derivatives. A. V. Finkel'shteyn,  
Z. M. Kuz'mina. Dokl. AN SSSR 171 no. 4: 915-918 D '65.

Reduction of nitrobenzene by yellow phosphorus. N. S.  
Kozlov, V. A. Soshin. Uch. zap. Perm. ped. inst. 32: 77-  
81 '65.

Reduction of nitrobenzene substituted derivatives by  
yellow phosphorus. V. Soshin. Uch. zap. Perm. ped. inst.  
32: 81-86 '65

## NITROCELLULOSE

Investigation of internal stresses arising in the formation  
of nitro- and acetyl cellulose films on glass supports  
[with summary in English]. S. A. Shreiner, P. I. Zubov,  
A. S. Avram, Koli. zhur. 21 no. 3 331-337 My-Je  
'61

## NITROGEN

Nitrogen nutrition of the acid-producing fungus *Aspergil-  
lus niger* O. F. Tarant'eva. Trudy VNIi no. 17  
109-122 '66

NITROGEN—EFFECT ON PLANTS see Plants, Effect  
of nitrogen on

## NITROGEN—FIXATION

Determining the true nitrogen fixation ability of legumes.  
L. P. Trepachev, A. I. Kholova. Vest. sel'khoz. nauki  
11 no. 12: 105-108 D '66.

## NITROGEN—SPECTRA

Determining the strength of electron transition of the  
first positive band system of nitrogen Part 2. A. P.  
Dionov, N. N. Sobolev, F. S. Faizullov. Opt. i spekt.,  
21 no. 5: 538-545 N '66.

## NITROGEN COMPOUNDS

Characteristics of conversion of nitrogen-containing  
components of soil in relation to their initial level  
L. A. Mantashina. Biol. zhur. Arm. 19 no. 12: 39-45  
D '66

Distribution of nitrogen compounds in fractions of Buzov-  
no oil and in oils of the Neftyanaya Kamni field. G. G.  
Azhumov, R. Kh. Meflakhetdinova. Sborn. trud. Az. NII  
NP no. 3 45-50 '58

## NITROGEN FERTILIZERS

Effect of nitrogen nutrition sources on growth of green  
alga *Asterionomena gracilis* Aitai and its biochemical  
composition. E. V. Urtina, M. V. Pakhomova. Vest.  
Mosk. un. Ser. 6: Biol., pochv. 21 no. 5: 35-38 S-O  
'66.

## NITROGEN METABOLISM

Change in the nitrogen metabolism of carrots infected  
with *Phoma* Resti and its relation to immunity.  
I. M. Khondobina, V. M. Potapova. Dokl. Akad. sel'khoz.  
nauk no. 9: 220-23 S '66

Dynamics of nitrogen protein in cow rumen content in  
relation to various feed rations Sh. O. Simbinov  
Trudy Inst. fiziol. AN Kazakh. SSR 10 17-21 '66

Effect of Chukhuryud hydrogen sulfide water on the  
course of nitrogen metabolism in polyarthritides of var-  
ious etiology Report No. 1: Observation data of 1955-  
57 S. G. Ageeva. Sborn. trud. Azerb. nauch. iissl. inst.  
kur. i fiz. metod. tech. no. 6 122-133 '62.

Effect of Chukhuryud hydrogen sulfide water on the  
course of nitrogen metabolism in polyarthritides of  
varied etiology Report No. 2: Observation data of 1958  
S. G. Ageeva. Sborn. trud. Azerb. nauch. iissl. inst. kur.  
i fiz. metod. tech. no. 6 134-138 '62

Effect of the climatic factors of Chukhuryud on the ni-  
trogen metabolism of practically healthy people. Report  
No. 1. Observation data of 1955-57 S. G. Ageeva. Sborn.  
trud. Azerb. nauch. iissl. inst. kur. i fiz. metod. tech.  
no. 6: 41-47 '62.

Effect of the climatic factors of Chukhuryud on the ni-  
trogen metabolism of practically healthy people Report  
No. 2. Observation data of 1958 S. G. Ageeva. Sborn. trud.  
Azerb. nauch. iissl. inst. kur. i fiz. metod. tech. no. 6 48-  
50 '62

Intensity of nitrogen metabolism in some marine mollusks  
as related to their size. Z. A. Muravskaya. Gidrobiol.  
zhur. 2 no. 6: 35-42 '66.

NITROGEN ORGANIC COMPOUNDS see Organic nitrogen  
compounds

## NITROGEN OXIDES

Effect of nitrogen oxides on the decomposition of nitro-  
glycerin. K. K. Andreev, V. P. Sholeputina. Zhur. prikl.  
khim. 34 no. 8: 1371-1373 Je '61.

Hexafluoroisobutyl fluoride and nitrogen oxides. I. U. A.  
Chaburkov, N. Mukhamadiliev, I. L. Krumants. Izv.  
AN SSSR, Ser. khim. no. 12: 2119-2122 '66.

Perfluorodimethylketene and perfluoromethacrylic acid.  
Report No. 5: Hexafluoroisobutyl fluoride acid fluoride and  
sulfuric and sulfurous acid chlorides I. U. A. Chaburkov,  
N. Mukhamadiliev, I. L. Krumants. Izv. AN SSSR, Ser.  
khim. no. 12: 2117-2119 '66

## NITROGEN OXIDES—DIPOLE MOMENTS

Experimental determination of the dipole moment of the  
transition of  $\gamma$ - and  $\beta$ -systems of nitric oxide E. T.  
Antropov. Trudy Fiz. inst. 35 3-73 '66

## NITROGLYCERIN

Effect of nitrogen oxides on the decomposition of nitro-  
glycerin K. K. Andreev, V. P. Sholeputina. Zhur. prikl.  
khim. 31 no. 6: 1371-1373 Je '61

## NITRONE

Mechanism of 1, 3-dipolar cycloaddition of nitro-oxides  
V. A. Taratkovskii, A. A. Onishchenko, S. S. Novikov  
Izv. AN SSSR, Ser. khim. no. 1: 177-179 Ja '67.

## NITROPARAFFINS

Aliphatic fluoronitro compounds. Report No. 6: Some  
conversions of polyfluoronitro alkanes. I. L. Krumants,  
L. S. German, I. N. Rozhnov. Izv. AN SSSR, Ser. khim.  
no. 12: 2111-2115 '66.

Dissociation constants of some nitroalkanes in aqueous  
ethanol A. I. Ivanov and others. Izv. AN SSSR, Ser.  
khim. no. 1: 61-66 Ja '67

New reaction of tetranitromethane. K. V. Altukhov and  
others. Izv. AN SSSR Ser. khim. no. 1: 197-199 Ja '67.

Preparation of alkylated amines from nitroparaffins and  
alcohols. N. S. Kozlov, N. K. Matveeva. Uch. zap. Perm.  
ped. inst. 32: 10-13 '65.

## NITROPHENYL GROUP

Transition "nitro-cell" of DNA in dinitrophenyl compo-  
sition in condensed phase following physiological ion  
concentration of the medium, DNA conformation in  
nucleoprotein complex D. M. Spil'kovskii, L. A. Luch-  
kina. Biofizika 11 no. 5: 747-752 '66

## NIVKH

Taksami, Ch. M. [The Nivkhs; their present-day economy,  
culture, and way of life] Nivkhi, sovremennoe kho-  
zhaistvo kul'tura i byt. Leningrad, Nauka, 1967. 268 p.

## NIZHNIY TAGIL—EVENING AND CONTINUATION SCHOOLS

What troubles us? M. Sokol'enko. Vech. sred. shkola  
9 no. 3: 26-27 My-Je '66.

## NIZHNIY TAGIL—METALLURGICAL PLANTS

Full-scale examination of the ventilation of open-hearth  
plants and rolling mills of the Nizhniy Tagil Metallurgical  
Combine A. L. Alynova, V. N. Taifev. Sborn. trud.  
NIISF no. 13 3-19 '62.

## NIZHNIY TAGIL—METALLURGICAL PLANTS—DESIGN AND CONSTRUCTION

First in the country. D. Kuz'menko, I. Ben'iaminovich.  
Na stroi. Ros. 4 no. 7: 4-6 Ji '63

Mistakes and failures teach. N. Dobrov. Na stroi. Ros.  
4 no. 7 11-13 Ji '63.

Reinforced concrete garage for deforming ores.  
A. Timoshpolskii. Na stroi. Ros. 1 no. 7 17  
Ji '63

Where is the economy? Z. Pominova, B. Libova. Na  
stroi. Ros. 4 no. 7: 14 Ji '63.

## NIZHNIY TAGIL (NORTH OSSETIA)—HEALTH RESORTS, WATERING PLACES, ETC.

Dynamics of the changes in some indices following treat-  
ment at the "Tamisk" Sanatorium. A. Kh. Adyrkhaev  
and others. Sborn. nauch. trud. SOGMI no. 10 177-179  
'61

## NODES OF RANVIER

Study of accommodation mechanism to linearly increasing  
current on mathematical model of Ranvier's node  
membrane. M. L. Bykhovskii and others. Biofizika 11  
no. 5: 922-924 '66.

## NOGIN, VIKTOR PAVLOVICH, 1878-1924

Arkhangelskii, V. V. Nogin. [Moskva] Melodika gvar-  
dii, 1966 318 p. (Zhizn' zamechatel'nykh i udel' So-  
vetskogo biografi, no. 16: 384)

## NOISE

Controlling industrial noise in casting shops of plants  
producing reinforced concrete articles I. U. M. Elizarov  
Prom. stroi. 39 no. 12: 49-53 '61.

NOMADS see subdivision under Kazakhstan; Soviet  
Central Asia

## NOMOGRAPHY (MATHEMATICS)

Change in conformance factors for baylike pools in  
displacing oil by operating agents O. K. Onikhov  
Geol. nefit i gaza 10 no. 12 22-24 D '66

Determining capacity of productive parts of formation  
when number of drilled wells is low. A. L. Kozlov,  
O. N. Alieva. Geol. nefit i gaza 10 no. 12: 10-17 D '66.

## 786



# NOVYY LIPETSK (LIPETSK PROVINCE)—IRON AND STEEL PLANTS—EQUIPMENT AND SUPPLIES

Unique sinkable wells. *Z. Zhrebet'skiy, Inform. biul. VDNKH no. 12 19-21 D '66.*

# NOZDREV, VASILII FEDOROVICH

Lyric poetry by the poet G. Mantorov. *V mire knig 5 no 6 13 Ja '66.*

# NOZZLES

Possibilities for increasing work indices of the nozzles in oil fields of Dnieper-Donec Lowland using nozzles designed by Ufa Petroleum Research Institute. *A. I. Butskiy, V. P. Maloletskiy, V. I. Shalagin Nef't i gaz. prom no 4, 25-26 S-O '66.*

# NUCLEAR COUNTERS

*Pavlova, E. N.* [Gas-discharge photon counters] *Gazovaya iadnyaya schetchiknaya sistema*. [Leningrad] Izd-vo Leningr. univ., 1966. 109 p.

# NUCLEAR ENGINEERING

[Nuclear engineering abroad] *Atom. tekhn. zn. i ub. 10 no. 2 '66.*

# NUCLEAR FISSION

Annealing of tracks from fragments of spontaneous fission of uranium in mica crystals and glasses. *I. G. Buzina and others. Dokl. AN SSSR 171 no. 6:1313-1316 O '66.*

[Effective moments of nuclei of heavy nuclei at the saddle point] *Effektivnye momenty yadrel tiazhelykh iaden v reshenii tocheke*. [By] S. A. Karaman Idr. Dubna, 1967. 30 p.

[Mechanism of ternary fission of nuclei in heavy ion reactions] *O mekhanizme deleniya iaden na tri oskolka v reaktsiyakh s tiazhelyimi ionami*. [By] I. A. Muzychka Idr. Dubna, 1967. 13 p.

Spontaneously fissionable isomer with half-decay period of 10<sup>-7</sup> sec. *I. P. Ganguly and others. Prikl. yad. fiz. i eksp. i teoret. fiz. 4 no. 10:429-431 N '66.*

# NUCLEAR FUEL ELEMENTS

*Zakharovskiy, A. S., V. V. Kalashnikov, and I. S. Golovnin.* [Fuel elements for atomic reactors] *Teploydeladushchie elementy atomnykh reaktorov*. Izd. Z., perev. i dop. Moskva, Atomizdat, 1966. 519 p.

# NUCLEAR ISOBARS see ISOBARS, Nuclear

# NUCLEAR MAGNETIC RESONANCE

Configuration of 7-protons in [2, 2, 1] heptane derivatives as established by the nuclear magnetic resonance method. *N. S. Zefirov and others. Dokl. AN SSSR 172 no. 14:108-110 Ja '67.*

Kinetics of dimerization and rearrangement of ionol quibon units as studied by means of nuclear magnetic resonance. *A. I. Brodskiy and others. Dokl. AN SSSR 172 no. 14:122-125 Ja '67.*

Magnetic resonance of protons of water and n-hydrocarbons adsorbed by silicate sorbents of different porous structure. *B. I. Tul'bovich and others. Izv. vuz. uch. zav. khim. i khim. tekhn. 9 no. 5:735-737 '66.*

Nuclear magnetic resonance and electric properties of polycyclopentadiene. *V. I. Shepelev and others. Elektrokhimia 2 no. 12:1468-1470 D '66.*

Paramagnetic resonance in effective field. *I. N. Novikov, V. G. Pokazandev. Prikl. yad. fiz. i eksp. i teoret. fiz. 4 no. 10:979-986 N '66.*

Shape of nuclear magnetic resonance line of interacting methyl groups in crystals. *O. P. Revokolov. Vest. Mosk. univ. Ser. 3: Fiz., astron. 21 no. 6:81-90 N-D '66.*

Spin-spin interaction of fluorine nuclei in nuclear magnetic resonance spectra of some fluorocarbones. *N. M. Seleznev, N. N. Shapovalko, G. V. Timofeluk. Teoret. i eksper. khim. 2 no. 5:701-706 S-O '66.*

Study of the structure and dynamics of liquids by means of nuclear relaxation. *V. I. Chizhik. Probl. sov. khim. kord. ser. 1 no. 1:240-291 '66.*

# NUCLEAR MODELS

*Babikov, V. V.* [Modern models of nuclear forces. Paper delivered at the 17th Conference on Nuclear Spectroscopy and Nuclear Structure, Khar'kov, 1967] *Sovremennyye modeli iadernykh sil*. Doklad, predstavlenyy na XVII soveshehaniye po iadernoi spektroskopii i strukture atomnogo iadra (Khar'kov, 1967 g.). Dubna, 1967. 10 p.

*Babikov, V. V., and V. S. Kiselev.* [Description of elastic nucleon-nucleon scattering in a mesonic model of nuclear forces] *Opisanie uprugogo nukleon-nukleonogo rasselaniya v mezonnoi modeli iadernykh sil*. Dubna, 1967. 16 p.

# NUCLEAR PHYSICS

[High-energy physics and the theory of elementary particles] *Fizika vysokikh energii i teoriya elementarnykh chastits*. Kiev, Naukova dumka, 1967. 815 p. [In Russian and English]

*Levin, V. E.* [Nuclear physics and nuclear reactors] *Iadernaya fizika i iadernyye reaktory*. Moskva, Atomizdat, 1966. 280 p.

# NUCLEAR REACTIONS

Analysis of the (d,  $\alpha$ ) reaction on light nuclei within the diffraction model. *I. U. V. Malikov. Vest. Mosk. univ. Ser. 3: Fiz., astron. 21 no. 6:102-105 N-D '66.*

*Daz', A. I., I. A. Buzel'dovich, and A. M. Perelomov.*

[Scattering, reactions, and decays in nonrelativistic quantum mechanics] *Rasselaniye, reaktsii i raspady v neirelativistskoi kvantovoi mekhanike*. Moskva, Nauka, 1966. 339 p.

Diffraction interaction of fast deuterons with nonspherical nuclei. *O. H. Sytenko, I. U. A. Bereznoi. Ukr. fiz. zhur. 11 no. 5:561-568 S-O '59.*

Electron-electron scattering in approach to space simplification. *Guang-yun-Pai. Vest. Mosk. univ. Ser. 3: Fiz., astron. 21 no. 6:100-102 N-D '66.*

Interaction between 14.4 Mev. neutrons and <sup>14</sup>N. *B. Antolov and others. Izv. AN SSSR Ser. fiz. 31 no. 1:110-113 Ja '67.*

[Mechanism of ternary fission of nuclei in heavy ion reactions] *O mekhanizme deleniya iaden na tri oskolka v reaktsiyakh s tiazhelyimi ionami*. [By] I. A. Muzychka Idr. Dubna, 1967. 13 p.

(np-) and (nd-) reactions with calcium at E<sub>n</sub> = 11.4 Mev. *B. Antolov, D. Miljanic. Izv. AN SSSR Ser. fiz. 31 no. 1:105-109 Ja '67.*

Nuclear reactions in iron meteorites. *A. P. Venogradov, A. K. Lavruchina, L. D. Revina. Geokhimiya no. 11:955-966 '61.*

*Plakab, I. N., and L. P. Starchik.* [Nuclear physics methods for analyzing materials, nuclear reactions and activation analysis] *Iaderny-fizicheskie metody kontrolya veshchestvennogo sostavya; iadernyye reaktsii i aktivatsionnyy analiz*. Moskva, Nauka, 1966. 201 p.

Rate of nuclear reactions in dense media. *Z. F. Soldov, Trudy Shern. nat. otd. obsch. 3 25-39 '64.*

Structure of isobaric excited states in heavy nuclei. *D. F. Zaitsevik, M. G. Urin, P. S. V. red. Zhur. eksper. i teoret. fiz. 4 no. 9:370-381 '66.*

# NUCLEAR REACTORS

*Levin, V. E.* [Nuclear physics and nuclear reactors] *Iadernaya fizika i iadernyye reaktory*. Moskva, Atomizdat, 1966. 280 p.

# NUCLEAR REACTORS—PROBLEMS, EXERCISES, ETC.

Some problems in the mathematical theory of the critical state of a reactor. *S. B. Shikov. Zhur. vych. mat. i mat. fiz. 7 no. 1:113-127 Ja-F '67.*

# NUCLEAR SHELL THEORY

Calculations according to a new empirical formula for computing cation radii with inert gas shell. *G. A. Korablev. Teoret. i eksper. khim. 2 no. 5:707-709 S-O '66.*

# NUCLEAR SPIN

Bound spin, electromagnetic and plasma waves in ferrites. *M. A. Savchenko, K. N. Stapanov. Fiz. mol. i metallov 22 no. 4:408-503 O '66.*

Complexes of several spins in the linear Heisenberg chain. *A. A. Ovchinnikov. Prikl. yad. fiz. i eksp. i teoret. fiz. 5 no. 2:48-51 Ja '67.*

Localization of spins in superconductors. *O. S. Akhtiamov, E. I. Fedotov. Prikl. yad. fiz. i eksp. i teoret. fiz. 4 no. 10:416-418 N '66.*

Phase analysis of nucleon-nucleon scattering at energy of 400 Mev. *I. U. M. Kazaninov, F. Legar, Z. I. Anout. Prikl. yad. fiz. i eksp. i teoret. fiz. 4 no. 3:110-114 Ag '66.*

Temperature behavior of "antiferromagnetic" impurity spin in a ferromagnetic matrix. *I. U. A. Izumov, M. V. Medvedev. Fiz. mol. i metallov. 22 no. 4:506-513 O '66.*

# NUCLEI, ATOMIC

*Hogolubov, N. N., ed.* [Structure of complex nuclei] *Struktura slozhnykh iaden*. Moskva, Atomizdat, 1966. 360 p. (Letnaya shkola fizikov)

Deformed excited states of <sup>118</sup>A<sub>20</sub>, <sup>118</sup>A<sub>22</sub>, and <sup>122</sup>Se<sub>21</sub>

nuclei. *B. S. Dzhelepov, L. K. Peker. Izv. AN SSSR Ser. fiz. 31 no. 1:181-184 Ja '67.*

Levels of even-even nuclei with  $\pi^-$ . *B. S. Dzhelepov, L. K. Peker. Izv. AN SSSR, Ser. fiz. 31 no. 1:179-180 Ja '67.*

# NUCLEI, ATOMIC—ELECTROMAGNETIC PROPERTIES

Some electromagnetic processes on nuclei at high energies. *M. P. Rekaio. Ukr. fiz. zhur. 11 no. 12:1266-1295 D '66.*

# NUCLEI, ATOMIC—SPECTRA

Energy spectrum of atomic nuclei in nuclear quantum field theory. *A. N. Kuzminenko. Dop. AN URSS no. 12:1567-1572 '66.*

# NUCLEIC ACID METABOLISM

Change in nucleotide composition of RNA of rat brain in incubation. *L. A. Edilashvili. Soob. AN Gru. SSR 44 no. 2:325-329 N '66.*

Morphological variability in plants as related to nucleic acids and protein synthesis. *M. I. A. Shkol'nik. Bot. zhur. 51 no. 12:1765-1773 D '66.*

RNA content and localization in cytoplasm of neurons of intramural ganglia following cardiac hyperfunction. *F. Z. Macion, E. M. Kiohina. Dokl. AN SSSR 171 no. 6:1427-1430 D '66.*

# NUCLEIC ACIDS

Autoradiographic study of DNA synthesis in epithelial cells of frog crystalline lens. *N. I. Sukharova, K. G. Gazarian, V. V. Popov. Arkh. anat., gist. i embri. 51 no. 10:103-108 O '66.*

Cytophotometric and interferometric study of extraorbital gland in rats following inhibition of ribosomal RNA synthesis by aurantin. *N. V. Neehaeva, V. N. Iarygin. Arkh. anat., gist. i embri. 51 no. 10:87-91 O '66.*

Degree of hereditary fixation in transformed bacteria of agglutinable characteristics acquired by the assimilation of heterogeneous DNA. *V. I. A. Romantsova. Mikrobiol. zhur. 24 no. 5:20-25 '62.*

Dynamics of RNA synthesis by partially purified RNA polymerase from rat liver. *I. I. Volina, S. S. Dubov. Dokl. AN SSSR 167 no. 2:448-450 Mr '66.*

Effect of 5-bromouracil on genetic recombination of *Escherichia coli* in relation to the amount of thymine triphosphate in DNA of donor cells. *V. P. Shchepkov, L. I. Samoilova. Genetika no. 12:89-105 '66.*

Effect of ionizing radiation on high-polymer RNA of Ehrlich's ascitic cancer cells. *L. S. Mil'man, I. M. Shapira. Radiobiologiya 2 no. 1:530-532 '62.*

Effect of ribonucleic acid from bovine adenopharynx on adrenocorticotrophic factor synthesis in acellular system from *Escherichia coli*. *B. I. N. Todorov, L. N. Biot, V. N. Vasilenko. Dokl. AN SSSR 167 no. 2:461-463 Mr '66.*

Functional heterogeneity of chromosomal information of ribonucleic acid. *V. I. Arion, G. P. Georgiev. Dokl. AN SSSR 172 no. 3:716-719 Ja '67.*

Histochemical study of the effect of ionizing radiation on nucleic acid and glycogen dynamics in the liver of rats. *G. D. Gubin. Radiobiologiya 2 no. 4:553-557 '62.*

Method for determining primary structure of transport ribonucleic acids from their fragments. *K. S. Krivinkhida. Soob. AN Gru. SSR 44 no. 2:273-280 N '66.*

Radiation injury and protection of bacteriophages containing one-strand RNA and DNA. *I. U. P. Vneshki. Mikrobiologiya 35 no. 6:1033-1036 N-D '66.*

Relationship between acridines and DNA. *G. V. Guskil. Biofizika 11 no. 5:737-746 '66.*

Ribonucleic acid and glycogen content of the cells of hemopoietic tissues in healthy cattle and cattle with babesiosis. *I. M. Karaputs. Vest. AN SSSR, Ser. sel'sk. hosp. nav. no. 4:111-121 '66.*

Thermal effects and reliability of processes in protein and nucleic acid synthesis. *A. I. Bykhovskiy. Dokl. AN SSSR 171 no. 4:992-995 D '66.*

Transition "helix-coil" of DNA in dinitrophenyl composition in condensed phase following physiological ion concentration of the medium, DNA conformation in nucleoprotein complex. *D. M. Spitskovskiy, L. A. Luchkina. Biofizika 11 no. 5:747-752 '66.*

# NUCLEIC ACIDS—SPECTRA

Studying luminescence spectra and quantum yield of deoxyribonucleic acid in solution. *A. N. Pisarevskiy, S. N. Cheremvich, V. T. Andrianov. Zhur. prikl. spekt. 5 no. 5:621-624 N '66.*

# NUCLEIN METABOLISM

Changes in tissue nuclein metabolism in experimental ether ascorbic acid under the effect of hydrogen sulfide baths. *Z. A. Sokolova. Vop. kur., fizioter. i lech. fiz. kul't. 31 no. 6:504-509 '66.*

# NUCLEONS—SCATTERING

*Babikov, V. V., and V. S. Kiselev.* [Description of elastic nucleon-nucleon scattering in a mesonic model of nuclear forces] *Opisanie uprugogo nukleon-nukleonogo rasselaniya v mezonnoi modeli iadernykh sil*. Dubna, 1967. 16 p.

Phase analysis of nucleon-nucleon scattering at energy of 400 Mev. *I. U. M. Kazaninov, F. Legar, Z. I. Anout. Prikl. yad. fiz. i eksp. i teoret. fiz. 4 no. 3:110-114 Ag '66.*

# NUCLEOPROTEINS

Etiology of leukemia, evogenic virus or pathogenic endogenous nucleoproteins? *Probl. gemat. i perel. krovi 10 no. 12:25-32 D '65.*

Transition "helix-coil" of DNA in dinitrophenyl composition in condensed phase following physiological ion concentration of the medium, DNA conformation in nucleoprotein complex. *D. M. Spitskovskiy, L. A. Luchkina. Biofizika 11 no. 5:747-752 '66.*

# NUCLEOTIDES

Metabolic and free nucleotides of the bacterial cell. *M. F. Khanina. Biul. eksp. biol. i med. 63 no. 1:56-60 Ja '67.*

Nucleotide composition of RNA in fibroblast section of silk-worm gland. *P. Kuliyev, N. V. Birukova, O. N. Mamed-nifazov. Izv. AN Turk. SSR, Ser. biol. nauk no. 5:49-52 '66.*

NUCLEUS (CELLS) see Cell nuclei

## NUMBERS, THEORY OF

**Freiman, G.A.** [Elements of the structural theory of adding sets] Nachala struktural'noi teorii slozheniia mnozhestv. Pod red. A. M. Lustiga i L. P. Usol'seva. Kazan', Kazanskii gos. pedagog. inst., 1966. 137 p.  
Polynomials with minor simple divisors. Part 2. I. Khmurova. Izv. AN SSSR Ser. mat., 30 no. 6:1367-1372 '66.  
Some function-theoretical variants of the sieve method in the theory of numbers. P. Turan. Dokl. AN SSSR 171 no. 6:1289-1292 '66.

## NUMBERS, THEORY OF—PROBLEMS, EXERCISES, ETC.

**Uspenski, V.A.** [Pascal's triangle] Treugol'nik Paskalia. Moskva, Nauka, 1966. 34 p. (Populnaya leksika po matematike, no. 43)

## NUMERICAL WEATHER FORECASTING

Determination of mesoscale processes in atmosphere. Kh. N. Zamanian. Trudy MMTS no. 11:71-78 '66.  
Different scheme of short-range weather forecasting based on exact equations, spatial model. D. A. Pressman. Trudy MMTS no. 14:23-31 '66.  
Effect of the variability of the Coriolis force on changes in the geopotential field in the presence of mountains. Z. V. Khvadelidze. Soob. AN Gruz. SSR 27 no. 2:113-150 '66.  
Formulation of marginal conditions in numerical solution of stationary problems in flowing around. E. M. Pekelis. Trudy MMTS no. 11:70-91 '66.  
Hydrodynamic scheme for forecasting variations of tropopause. V. M. Kadyshnikov. Trudy MMTS no. 11:59-70 '66.  
Lufulin, I. Z. [New methods of forecasting the meteorological fields] Novye metody predvyshchleniya meteorologicheskikh polov. Leningrad, Gidrometizdat, 1966. 195 p.  
Nonstationary problem for simplest spatial model of atmosphere. I. A. Kibep. Trudy MMTS no. 11:3-9 '66.  
Numerical solution of equations of hydromechanics for atmospheric movements. N. I. Bulcev, V. V. Knysh. Trudy MMTS no. 14:48-58 '66.  
Numerical solution of spatial nonlinear problem of air flow passing around barriers. E. M. Pekelis. Trudy MMTS no. 14:36-47 '66.  
Practice in operative forecasting based on three-level hydrodynamic model. V. M. Kadyshnikov. Trudy MMTS no. 14:11-22 '66.  
Some results of operative short-range forecasting geopotential based on exact equations for two levels of atmosphere. S. A. Bortnikov. Trudy MMTS no. 14:10-13 '66.  
Three-level scheme of forecasting meteorological elements based on exact equations. L. V. Berkovich. Trudy MMTS no. 11:92-101 '66.

NUMMULITES see subdivision under Crimean Mountains

## NUREK HYDROELECTRIC POWER STATION

Advanced method for cutting a chamber with 26 m span. M. L. Borodin and others. Energ. stroit., no. 7:35-37 '66.  
Certain characteristics of boring and blasting operations during tunnel driving in building Nurek Hydroelectric Power Station. E. M. Pashkin, A. P. Semin. Vopr. delo no. 81/81:204-209 '66.

## NUREMBERG TRIAL OF MAJOR GERMAN WAR CRIMINALS, 1945-1946

**Medvedev, B. L.** [Witness for the prosecution] Svidetel' byvshii na Nurnberg. Moskva, Iskusstvo, 1966. 187 p.

## NURSERY STOCK

Treatment of nursery stock. A. Malkov, V. Zhuravov, Zashch. rast., 12 no. 1:30 '67.

## NUTRITION—CONGRESSES

At the 7th International Congress on Nutrition, E. Korzhina. Muk. -elev. prom., 33 no. 1:29-30 Ja '67.

## NYLON

Experience in the reconstruction of defects of the anterior abdominal wall by alloplasty. A. Ia. Fishchenko. Khirurgia 38 no. 11:81-92 N '62.

Using polyethylene and capron parts in oil field gas compressor stations. M. D. Sokov. Mash. i nef. obor., no. 11:32-33 '66.

## NYSTAGMUS

Photoelectric device for recording nystagmus. A. L. Lopotko, P. M. Singurov, A. A. Shurubura. Fiziol. zhur., 52 no. 11:1360-1361 N '66.

## NYURBA DISTRICT—SOILS

Soils of the "Nyurbinskii" State Farm and the prospects for their use. E. I. Cherniak. Nauch. soob. IAFAN SSSR no. 8:27-31 '62.

## OAK

(see also subdivision under Saratov Province; Znamensk District)  
Development of structure of shoots and annual seedlings of oak (Quercus robur L.). E. A. Kondrat'eva-Mel'nik. Dokl. AN SSSR 172 no. 1:211-217 Ja '67.

Effect of trace elements on the germination of acorns, viability, and growth of the one-year old plantations of oak and pine. P. N. Khoshin. Trudy Sar. sci. zhur. inst. 15 no. 3:47-49 '65.

Some characteristics of the seasonal development and growth of oak seedlings in the biogeocoenosis of southern taiga. P. P. Freshkin. Bul. zhur. si. no. 12:1740-1748 D '66.

## OAK—DISEASES AND PESTS

Role of insecticides in the natural destruction of oak. B. M. Mameev, D. R. Sokolov. Pochvovedenie no. 1:21-30 Ap '60.

## OAK—FERTILIZERS AND MANURES

Root feeding of oak and linden in pure and mixed stands. I. N. Rakhitsenkina, I. T. Min'ko. Vests. AN BSSR Ser. Lihl. nav. no. 1:17-21 '67.

## OATS

(see also subdivision under Minsk region)  
Growth and development of yellow fodder lupine and oat in pure and mixed cultures. R. M. Ikhorava. Vests. AN BSSR Ser. Lihl. nav. no. 4:48-51 '66.

## OATS—DISEASES AND PESTS

Use of hydroquinone and 2,4-D in controlling crown rust of oats. V. I. Tsinger. Trudy MSHKH 56:52-59 '66.

## OATS—WATER REQUIREMENTS

Accumulation of pigments by oat leaves as affected by different soil moisture. V. M. Tsitsien'son, L. R. Gimal'djanov. Vests. AN BSSR, Ser. Lihl. nav. no. 3:23-26 '66.

## OB' VALLEY—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Cherepanov, A. I., ed. [Biological principles of the control of bloodsucking diptera in the Ob' River basin] Biologicheskie osnovy bor'by s gnusom v basseine Obi. Novosibirsk, Nauka, 1966. 267 p.

## OBUCHEV, SERGEI VLADIMIROVICH, 1891-

Geographical works of Sergei Vladimirovich Obuchev, on the 75th anniversary of his birth. N. G. Sukhova. Izv. Vses. geog. ob-va 98 no. 6:528-530 N-D '66.

## OBSESSIONS

Physiological mechanisms of obsessive states. A. I. Sehnastnyl. (Trudy) GIDUDV no. 4:234-276 '62.

## OCEAN BOTTOM

Acoustical method of measurement of distances between unevennesses located on ocean bottom. IU. IU. Zhitkovskii. Okeanologiya 6 no. 6:1089-1090 '66.  
Determining some parameters of unevenness of ocean bottom by acoustical method. L. A. Volovova, IU. IU. Zhitkovskii. Okeanologiya 6 no. 6:1080-1085 '66.  
Measurement of coefficient of sound reflection from ocean bottom. V. I. Volovov, IU. IU. Zhitkovskii. Okeanologiya 6 no. 6:1086-1088 '66.

## OCEAN CURRENTS

Dynamic method for calculating vertical movements of waters in ocean. R. R. Belevich. Okeanologiya 6 no. 6:1089-1073 '66.  
Multidimensional statistical characteristics of sea currents and their use. B. N. Bolotov, V. D. Pozdnykh. Okeanologiya 6 no. 6:1058-1069 '66.

## OCEAN WAVES

Akademiya nauk URSS, Institut radiofiziki i elektroniki. [Radiographic studies of sea waves] Radiograficheskie issledovaniia morskogo volnenia. Pod red. S. Ia. Brudno. Kiev, Izd-vo Akad. nauk URSS, 1962. 114 p. (WuU)

## OCEANOGRAPHIC RESEARCH

Look for oil in ocean bottom. A. Chernov. Neftianik 11 no. 8:35-37 '67.  
Study of ocean using new submarine equipment. P. A. Bozovikov, V. P. Brovko, P. A. Kaplin. Okeanologiya 6 no. 6:1113-1120 '66.

## OCEANOGRAPHIC RESEARCH STATIONS see subdivision under Mediterranean Sea

## OCEANOGRAPHY

(see also subdivision under Atlantic Ocean)  
Development of regional physical oceanography. V. A. Burkov. Okeanologiya 6 no. 6:955-965 '66.  
Dynamics of ocean levels and the rotation of the earth's axis. G. G. Khizanishvili. Blui. MOIP, Old. geol., 36 no. 3:136 My-Je '61.  
Effect of solid and gaseous suspensions on hydrostatic pressure of seawater. V. L. Lebedev, G. A. Safianov. Okeanologiya 6 no. 6:1023-1029 '66.  
Principles of classification of shelf zone. D. E. Gershano. Trudy VNRO 60:79-87 '66.  
Regionalization of world ocean for mechanized processing of hydrometeorological information. A. Shekhtman. Trudy NIAG no. 38:64-68 '66.  
Sources and principles of periodization of the history of oceanography. A. P. Pikhonik. Trudy Inst. fiz. est. i tekhn. 42:103-129 '62.

To 25th anniversary of Institute of Oceanology of Academy of Sciences of USSR. A. S. Minin. V. B. Bogov. Okeanologiya 6 no. 6:1094-1099 '66.

## OCEANOGRAPHY—BIBLIOGRAPHY see Bibliography - Oceanography

## OCEANOGRAPHY—CONGRESSES

Problems of physical oceanography: based on the 15th of 2d International Oceanographic Congress. A. A. Litvinovskii. Okeanologiya 6 no. 6:911-913 '66.  
Second International Oceanographic Congress. I. M. Belousov. Okeanologiya 6 no. 6:924-911 '66.  
Works on sea chemistry at 2d International Oceanographic Congress. N. I. Chuglitsin. Okeanologiya 6 no. 6:911-913 '66.

## OCTANE

Raman spectra of some mono- and disubstituted pentane (Cis-bicyclo-(3,3,0)-octane), A. M. Kiselevskii, N. S. Vorob'eva, A. A. Petrov. Zhur. prikl. spekt., 5 no. 5:660-663 N '66.

## ODESSA—CLOTHING INDUSTRY—FINANCE

Experience prompts. P. Zhironkin. Sov. tekhn. 10 no. 5:1 F '67.

## ODESSA—MACHINERY INDUSTRY—EQUIPMENT AND SUPPLIES

Using multipurpose attachments with interchanging parts in machinery plants in Odessa. A. M. Gelfand, A. B. Gelfand. Tekhn. i org. prom. no. 6:24-25 N '67.

## ODESSA UNIVERSITY

Iurzhenko, O. I., Pershyna, Z., and H. Vlasovskii. [Odessa University is 100 years old] Odessa i 100 let vershiy sto letiv. Odessa, Vyd-vo Marka, 1966. 99 p. (CU)

## ODOROUS SUBSTANCES

Flash points of synthetic and natural odorous substances, perfumes, colognes, compounds, and aromatics. R. V. Ignatieva and others. Mash. i nef. obor. no. 1:20-32 Ja '67.

## OFFENSES AGAINST SOCIALIST PROPERTY

Against those who pilfer communist property. A. I. Rogulin. Sots. zakon., 38 no. 1:16-18 Ji '66.  
How the amount of pilfered property determines the amount of pilfering as a criminal offense. A. I. Rogulin. Vop. pred. prest. no. 1:124-130 '66.  
How the letters of workers helped to solve criminal offenses. K. Shimaizdanov. Sots. zakon., 38 no. 1:1-11 Ji '66.

In the supreme courts of the Union Republics. Sots. zakon., no. 2:91 F '67.

## OFFICE BUILDINGS—DESIGN AND CONSTRUCTION see subdivision under Siberia, Western

## OFFICE EQUIPMENT AND SUPPLIES—EXHIBITIONS

International exhibition "Interorgtekhnik-66." 10 Borysluk. Lih. hosp., 11b, pap. 1 d. 1:1-11 34 Ja-F '67.  
"Interorgtekhnik-66." A. Band, A. Samoilin. Vopr. toig. 46 no. 11:23-25 '66.  
"Interorgtekhnik-66." Sudostroenie 56 no. 1:1-11 D '66.  
Interorgtekhnik-66. V. Gushchin. Sov. toig. 46 no. 48-51 D '66.

The new equipment for the mechanization of office and control. Bukh. uch. no. 12:68-75 D '66.

## OFFSET PRINTING

Nikanchikova, E. A., and A. L. Popova. [Technology of offset printing] Tekhnologiya offsetnoi pechat. Moskva, Kniga, 1966. 476 p.

## OGANEZOV, GEORGI ARAPETOVICH

The skipper, A. Mergelova. Grazhd. sv. 12 no. 1:1-11 O '66.

## OIL BURNERS

Some results of the tests of burners designed by the No. 4 State Trust for Organization and Improvement of Regional Electric Power Plants. M. I. Kiselev. Energ. i elek. no. 6:17-19 N-D '66.

## OIL FIELD BRINES see subdivision under Azerbaijan Peninsula

## OIL FIELD BRINES—ANALYSIS see subdivision under Azerbaijan; Lenin Oil Field

## OIL FIELD BRINES—RADIOACTIVE PROPERTIES

Using data of natural radioactivity of formation waters for locating water-oil contact. E. V. Sokolovskii, Z. A. Saakov. Neft. khoz. 45 no. 1:49-52 Ja '67.

## OIL FIELD FLOODING

(see also subdivision under Arlan Oil Field; Romashkino Oil Field)  
Calculating the relationship between the amount of oil recovered and the amount of water injected in a two-layer system. D. A. Efros. Nauch. -tekhn. i org. i nef. no. 3:27-35 '66.



## OIL WELL DRILLING FLUIDS

Electrochemical separation of iodine in the high-speed flow of drilling fluids S. P. Teosov, M. Gasanov, Trudy Inst. khim. AN Azerb. SSR, 20:181-188 '64.

## OIL WELL DRILLING FLUIDS—ANALYSIS

Experiment of applying mud logging for the investigation of combustible gases and bitumens in the Khimbiy massive massif I. E. Piterais and others, Geokhimiya no. 10:855-868 '61

## OIL WELL DRILLING RIGS

(see also subdivision under Tatar A.S.S.R.)

Experience in using completely mechanized drilling rigs S. M. Danilants, V. I. Tumberg, N. S. Gadzhiev, Neft. khoz. 44 no. 12:58-61 D '66

New drilling rigs from "Barikady" plant G. B. Karapetian and others, Neft. khoz. 45 no. 1:18-27 Ja '67.

Problem of effectiveness in transition to efficient parameters of hoisting system of drilling rig K. N. Kulizadze, B. I. Moisekhin, Mash. i nef. obor. no. 12:20-24 '66

Problem of payment for fixed assets in drilling offices; as a topic for discussion M. M. Samikhov, Neft. khoz. 41 no. 12:1-3 D '66

## OIL WELL DRILLING RIGS—DYNAMICS

Role of dynamics coefficient in calculation of drilling equipment elements, K. L. Arkhipov, Neft. khoz. 44 no. 10:18-20 O '66

## OIL WELL DRILLING RIGS—TRANSPORTATION

Methods acting on bases of units in hauling of drilling rigs S. G. Shlyapnik, V. I. Mischevich, Mash. i nef. obor. no. 12:10-13 '66

Moving derricks on special transportation blocks, P. Denisov, Neft. khoz. 44 no. 8:28-28 Ag '66

## OIL WELL LOGGING see subdivision under Khimbiy Mountains

## OIL WELL LOGGING, ELECTRIC

(see also subdivision under Lelyak Oil Field)

Determining initial oil-water contact by radiometry and laterlog S. A. Sultanov, V. G. Safin, V. I. Azamatov, Neft. khoz. 44 no. 10:40-43 O '66

## OIL WELL LOGGING, RADIATION

Determining initial oil-water contact by radiometry and laterlog S. A. Sultanov, V. G. Safin, V. I. Azamatov, Neft. khoz. 44 no. 10:40-43 O '66

## OIL WELL PUMPS

Device for loosening cranks of U8-3 mud pumps, A. Galimov, N. Ponikarova, Neft. khoz. 44 no. 9:31 S '66

Indicator for controlling work of piston pump valves, R. Minets, Mash. i nef. obor. no. 11:29-30 '66

Laboratory method of testing for wear of collars and seats of mud pump valves, N. A. Prokhorov, G. M. Sokolov, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:87-89 '66

Locking and distribution device for mud pump manifold, A. Galimov, Neft. khoz. 44 no. 8:32 Ag '66

Study of wear of mud pump valves A. A. Kizimov, Azerb. nef. khoz. 45 no. 11:45-46 N '66

## OIL WELL PUMPS—ELECTRIC DRIVING

Calculating and testing shackle with ferropowder SHM-800 clutch for synchronous drive of mud pump, I. N. Sulkhanishvili, Mash. i nef. obor. no. 11:3-7 '66

Experimental determination of axial strength acting on shafts of electric centrifugal pump, N. F. Ivanovskii, Mash. i nef. obor. no. 11:15-16 '66

Experimental study of gear performance of electric centrifugal pump in pumping viscous gas-liquid mixtures, I. M. Muraviev, I. T. Mischevich, Neft. khoz. 44 no. 10:51-54 O '66

Testing 6MS-7x10 centrifugal pump in pumping paraffin-base high-viscosity petroleum, S. A. Abdurashidov and others, Mash. i nef. obor. no. 11:20-22 '66

## OIL WELL PUMPS—HYDRAULIC DRIVING

(see also subdivision under Tatar A.S.S.R.)

Effect of flow rate-ratio pressure of operating fluids on efficiency of hydraulic pumping units, I. I. Rosin, A. R. Kaplan, Neft. khoz. 44 no. 11:44-45 N '66

## OIL WELLS—ACIDIZATION

Estimating corrosion of underground equipment of wells, E. M. Tosunov, P. I. Kulakov, I. A. G. Spichakov, Neft. khoz. 44 no. 11:41-44 N '66

Results of experimental study of carbonate dissolving in acid foam, V. S. Ugolev, Neft. khoz. 44 no. 11:49-52 N '66

## OIL WELLS—AIR-GAS LIFT see subdivision under Komi A.S.S.R.

## OIL WELLS—COMMUNICATION SYSTEMS

Problems of engineering calculation and designing of electric communication channel in drill pipes, O. P. Shishkova, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:77-81 '66

## OIL WELLS—EQUIPMENT AND SUPPLIES

R-23 hydraulic packer, N. I. Sukhenko, V. I. Krylov, G. S. Abdurakmanov, Mash. i nef. obor. no. 11:22-24 '66

Estimating corrosion of underground equipment of wells, E. M. Tosunov, P. I. Kulakov, I. A. G. Spichakov, Neft. khoz. 44 no. 11:41-44 N '66

Filter A. V. Sapunov's school of innovator's work methods, I. Senchenko, Neft. khoz. 44 no. 9:11-13 S '66

Impact testing of glazed tubing, A. G. Kono, E. E. Bochev, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:80-84 '66

Some designs of circulation valves used in separate and simultaneous exploitation of layers, V. A. Safin, P. I. Iashchov, A. M. Giliyev, Mash. i nef. obor. no. 11:9-11 '66

Stand for running tubing together with cable for electric subsurface pump, I. I. Yemalov, A. Agadzhanova, Neft. khoz. 44 no. 9:30-31 S '66

Using the flow production method in concurrent separate exploitation of live petroleum layers in a single well, Nauch.-tekhn. sbor. po dob. nefi. no. 3:84-90 '66

PNM-UNIN packer, G. A. Silyukov, R. G. Valamov, V. N. Polakov, Mash. i nef. obor. no. 12:3-1 '66

Effect of flow speed on phase changes in well, I. M. Muraviev, G. Z. Yagimov, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:31-35 '66

## OIL WELLS—FLUID DYNAMICS

Effect of flow speed on phase changes in well, I. M. Muraviev, G. Z. Yagimov, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:31-35 '66

## OIL WELLS—HYDRAULIC FRACTURING

(see also subdivision under Krausudar Territory)

Fluid flow in a layer in the process of filling circular horizontal fractures with granular material, E. V. Tesluk, Nauch.-tekhn. sbor. po dob. nefi. no. 8:57-60 '66

## OIL WELLS—MEASUREMENT

Some features of thermal studies in wells, G. G. Polakov, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 10:8-10 '66

## OIL WELLS—SAFETY MEASURES see subdivision under Yarega region (Komi A.S.S.R.)

## OILS AND FATS

Determination of the selectivity index in fat hydrogenation, A. I. Markman, A. I. Glushenkova, G. A. Priborzhenskaya, Mash. i nef. obor. no. 33 no. 1:16-18 Ja '67

Extraction of oil from the flowers of Sparganium junceum, L. N. L. Gurvich, Z. L. Abisova, Mash. i nef. obor. no. 33 no. 1:27-29 Ja '67

Studying the fats market, B. Gogol', Sov. tovg. 40 no. 2:26-28 F '67

Use of acetone in simultaneous extraction of vegetable oils, V. V. Beiborodov, E. F. Bukhtinova, Mash. i nef. obor. no. 32 no. 10:20-23 O '66

Use of lubricating and machine oil for the refractometric determining of fat in concentrates, O. I. Babicheva, V. S. Gzhalov, N. F. Kizikina, Kons. i ov. prom. 17 no. 3:13-35 Mr '67

## OILS AND FATS—LABELING

New paints for making etched inscriptions, O. Khokolnova, Mash. i nef. obor. no. 33 no. 1:28 Ja '67

## OILS AND FATS, EDIBLE

Effect of high-fat diet on lipolytic tissue activity, A. A. Pokrovskii, R. A. Prikutayna, Vop. pit. 25 no. 6:38-44 N-D '66

## OILSEED INDUSTRY—EQUIPMENT AND SUPPLIES

Changes in the moisture of the pressed material in screw presses, A. M. Goldovskii, M. G. Zaitseva, Mash. i nef. obor. no. 32 no. 11:11-13 N '66

## OILSEED INDUSTRY—SAFETY MEASURES

Safety measures at the Gheorgiu-Dej Oil Extraction Plant, V. G. Pavlov, I. P. Lakovenko, Mash. i nef. obor. no. 32 no. 11:43-44 N '66

## OILSEED PLANTS see subdivision under Turkmenistan

## OKHOTSK, SEA OF—EARED SEALS

Steller's sea lion attacks a ship, A. S. Nikolaev, Vop. geog. Kamch. no. 4:138 '66

## OKHOTSK, SEA OF—HALIBUT

Some data on biology of Reinhardtius hippoglossoides matsurovi (J. elsn.) in Sea of Okhotsk, V. P. Shunlov, Trudy VNIRO 60:271-279 '66

## OKHOTSK, SEA OF—MARINE FAUNA

[Explorations of the Far Eastern seas of the U.S.S.R.] Issledovaniya dal'novostochnykh moryi SSSR, Leningrad, Izd-vo Akad. nauk SSSR, 1941-1962, 8 v. (OrCS)

## OKUM VALLEY—GEOLOGY, STRUCTURAL

Tectonics of contact zone of folding system of southern slope of Greater Caucasus and Georgian block (Okumi and Dushki interflow), I. P. Gamkrelidze, Soob. AN Gruz. SSR 44 no. 3:643-649 D '66

## OLD-AGE PENSIONS

Correspondence with readers, Agitator 34 no. 4:68 F '67

## OLD BELIEVERS see subdivision under Karelia

## OLEANDOMYCIN

Results of clinical use of oleandomycin (for intravenous administration) E. A. Govorovich and others, Antibiotiki 12 no. 1:73-76 Ja '67

## OLEFINS

Calculation of energy levels of some aminonitroolefins by Pople method, A. F. Terjigeva, Teor. i eksper. khim. 2 no. 5:604-608 S-O '66

Determination of antioxidants in polyolefins by acetone extraction, S. Juskevicius, IUL A. Shilapnikov, Khim. masy no. 1:54-55 '67

Diminution of olefin under the effect of catalytic systems based on alkyl aluminum halides and nickel salts, V. Sh. Peltobitum, N. V. Obeschkova, A. I. Leshchinskii, Dokl. AN SSSR 172 no. 1:111-113 Ja '67

Effect of composition on activity of bismuth-molybdenum catalysts in mild oxidation reactions of olefins, M. S. Belen'kii and others, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:18-20 '66

New reaction of tetranitromethane, K. V. Atukho, and others, Izv. AN SSSR, Ser. khim., no. 1:107-109 Ja '67

o-Phenylperfluorolefins and G-phenylperfluorolefins, I. L. Kuznetsov, V. V. Shukhin, Izv. AN SSSR, Ser. khim., no. 1:74-78 Ja '67

Obtaining higher mono-olefin hydrocarbons by thermal cracking of solid paraffins, E. V. Lebedev, L. I. Mar'kov, Neft. i gaz. prom. no. 5:43-45 S-O '66

Oxidation kinetics of lower olefins by palladium chloride in aqueous solutions, I. I. Molisev and others, Dokl. AN SSSR 171 no. 6:1365-1368 D '66

## OLEKMA VALLEY—ALGAE, FOSSIL

New species of Pre-Cambrian algae in Olekma valley, P. N. Kolosov, Dokl. AN SSSR 171 no. 1:178-180 D '66

## OLENOGORSK REGION (MURMANSK PROVINCE)—FERTILIZATION—EQUIPMENT AND SUPPLIES

Certain factors of flotation settling with hatch feeding of dispersed air, I. N. Plakina, S. S. Shukhin, Izv. vys. ucheb. zav. i nef. i gaz. 9 no. 8:169-171 '66

## OLEGHESES

Through the efforts of the collective, A. V. Mezentsev, Gidrol. i lezokh. prom. 16 no. 5:22 My '62

## OLIVE—PRESERVATION

Production of pickled olives and processing of frozen olives, V. V. Malolai, Kons. i ov. prom. 21 no. 1:1-10 D '66

## OL'KHON ISLAND—DESCRIPTION AND TRAVEL

Ol'khon Island, N. I. Litvinov, Priroda no. 1:101-105 Ja '67

## OMSK—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION

Industrial methods of assembly, V. Stronozhenko, Na stol. Ros. 4 no. 6:21-24 Ag '63

## OMSK—FLOUR MILLS

At the Omsk Milling Combine, S. Pantiukhin, Mash. i nef. obor. no. 33 no. 1:9 Ja '67

## OMSK—PETROCHEMICAL PLANTS—DESIGN AND CONSTRUCTION

To work more quickly and better, Victor Sandulenko, Na stol. Ros. 4 no. 6:9 Ag '63

## OMSK—SOCIAL SCIENCES—CONGRESSES

Omskii institut inzhenerov zhelezнодорожного транспорта [Materials of the scientific conference of the departments of social sciences of the institutes of Omsk] Materialy nauchnoi konferentsii kafedri obshchestvennykh nauk instituta g. Omska, [Omsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1965, 385 p

## OMSK—WHEAT—CLEANING

Removal of wild oats and small impurities from feed wheat at the Kirov-Omsk Milling Combine, V. Kuratov, Mash. i nef. obor. no. 26 no. 4:25 Ap '69

## OMSK PROVINCE—CORN (MAIZE)

Corn as a stubble crop in Siberia, B. I. Gerasenkov, V. P. Ragozina, Zemel'elie 8 no. 4:81-83 Ap '60

## OMSK PROVINCE—RURAL CONSTRUCTION—MANAGEMENT

Highly prefabricated elements, plus the assembly time method, L. P. Ponomarev, Na stol. Ros. 24 no. 12:1-64 D '66

## ONEGA, LAKE—TEMPERATURE

Some results of studying the temperature conditions of Lake Onega, A. I. Tikhomirov, Izv. Vses. geog. ob-va 98 no. 6:513-520 N-D '66

## ONIONS—DISEASES AND PESTS

Biology of onion fly in conditions of White Russia, Z. M. Kharchanka, Vestn. AN BSSR, Ser. sel'sk. nazn. no. 4:49-53 '66

## GRONKS-VARIETIES

Some problems in the biochemistry of the onion. Z. N. Bratitskaya, V. A. Valutina, F. K. Puzina. Uch. zap. GGU no. 50:119-125 '69.

## ONON VALLEY-STEPPE

Central Asian type of steppe in the south of Eastern Siberia. N. S. Latypov. Izv. Uzb. fil. Geog. ob-va 9:71-77 '66.

## ONTOGENY

Changes in the action potentials of the cervical sympathetic trunk and superior cervical sympathetic ganglion of guinea pigs in ontogeny. M. A. Elshin. Biol. eksp. biol. med. 63 no. 1:7-10 Ja '67.

The photobiological correlations of evoked potential of the sensorimotor cortex in rabbits during the process of postnatal ontogeny. V. A. Mikhaylova, I. Chernyshev. Zh. fiziol. zhur. 52 no. 12:1410-1419 D '66.

Regulation of preganglionic fibers of cervical sympathetic trunks in rabbits in postnatal ontogeny. A. G. K. Mikhaylova. Biol. eksp. biol. med. 63 no. 1:93-96 Ja '67.

## ONTOGENY (BOTANY)—CONGRESSES

All-Union symposium on ontogeny of higher plants. V. O. Kozlov. Dokl. zhur. Akad. 19 no. 12:104-106 D '66.

## OOGENESIS

Changes in the number of oocytes in a transplanted ovary. M. I. Seligman. Biol. eksp. biol. med. 63 no. 1:68-71 Ja '67.

Histological characteristics of oogenesis in Echinophaga erichsoni Wagn. (Palaemon, Amphipoda). V. S. Vashchenok. Zool. zhur. 45 no. 12:1816-1825 '66.

## OPEN-HEARTH FURNACES

Studying possibility of using sour mazut for open-hearth furnaces. E. A. Kagan. Nefteper. i neftekhim. no. 8:18-21 '66.

## OPEN-HEARTH FURNACES—COMBUSTION

Controlling the flame in open-hearth furnaces heated by high-pressure fuel. V. G. Antipin, K. A. Zaita, M. G. Kozhima. Stal' 22 no. 9:167-170 My '62.

## OPEN-HEARTH FURNACES—DESIGN AND CONSTRUCTION

Automatic control of the fuel feed in an open-hearth furnace. V. B. Modylovskii. Stal' 21 no. 11:1040-1041 N '61.

## OPEN-HEARTH FURNACES—HEATING AND VENTILATION

Full-scale examination of the ventilation of open-hearth plants and rolling mills of the Nizhny Tagil Metallurgical Combine. A. L. Aitynov, V. N. Taliev. Sborn. trid. NNTI no. 13:7-10 '62.

## OPEN-HEARTH FURNACES—MAINTENANCE AND REPAIR

Blowing and blanking operations for damplishing refractory linings in open-hearth furnaces. P. P. Dubrovskiy. Vysv. delo no. 61:01:203-212 '66.

Blanking a layer of loose magnetic powder on open-hearth furnace bottoms. A. S. Freidenberg. Ogneupor 51 no. 12:16-19 D '66.

## OPEN-HEARTH PROCESS

Formation and removal of oxide inclusions during the tapping, pouring and crystallization of low-carbon steel. V. I. Pokrovskiy and others. Izv. AN SSSR Met. no. 1:31-41 Ja '67.

Production of semikilled sheet steel. I. G. Karanisev and others. Stal' 21 no. 11:979-981 N '61.

Straight oxidation of impurities in the open-hearth furnace bath by oxygen during the melting period. V. F. Kozlovskiy and others. Stal' 22 no. 5:412-416 My '62.

## OPEN-HEARTH PROCESS—EQUIPMENT AND SUPPLIES

Michaev, P. M., and G. A. Dubrovskiy. [Welded steel-pouring ladles; design and construction] Svarnyye statorazlichnyye kovshy konstruktivnyy i raschet. Moskva, Mashinostroyeniye, 1966, 65 p.

## OPERA—DRAMATUNY

Chudnovskii, M. A. [A director produces an opera; the creative path of B. A. Pokrovskii, people's artist of the U.S.S.R.] Rozhissor stavyt operu; lyvorcheskii put' narodnogo arista SSSR B. A. Pokrovskogo. Moskva, Iskustvo, 1967, 214 p.

## OPERATIONAL CALCULUS see Calculus, Operational

Effect of hypothermia on some indices of the metabolism in operations with artificial blood circulation. A. V. Pogozova, I. E. Babakova, T. A. Dorosova. Grud. khir. 9 no. 1:59-62 Ja-F '67.

Effect of operative and postoperative shock on renal function in tuberculous following resection of lungs. O. G. Bunin. Grud. khir. 9 no. 1:91-96 Ja-F '67.

Evaluation and selection of methods of determining surgical hemorrhage. E. M. Levite, L. N. Bogdanova. Sov. med. 30 no. 1:64-68 Ja '67.

Fragmentary thalacpiasty. G. M. Kagalovskii, M. I. Medvedeva, A. G. Sidorov. Grud. khir. 9 no. 1:79-82 Ja-F '67.

Late results of partial resections in pulmonary cancer. I. A. Maksimov. Grud. khir. 9 no. 1:82-86 Ja-F '67.

Late results of surgical treatment of bronchiectasis in adolescents. S. A. Gadzhiev, N. A. Glantsberg, R. V. Sokolov. Grud. khir. 9 no. 1:72-76 Ja-F '67.

Surgical treatment of suppuration of the sternum in longitudinal sternotomy. B. V. Shabalkin, L. P. Cherepanov. Grud. khir. 9 no. 1:55-58 Ja-F '67.

Use of bronchopulmonary fascia for reinforcing the bronchial stump. V. I. Struchkov, L. M. Medvedskaya. Grud. khir. 9 no. 1:69-72 Ja-F '67.

## OPERATIONS RESEARCH

Trigubenko, V. V. [What is operations research?] Chito kakoe issledovanie operatsii. Moskva, Ekonomika, 1966, 60 p. (Biblioteka khozaystvennogo rukovoditel'ia).

Vasil'ev, V. V., A. N. Klepikova, and A. G. Timoshenko. [Solution of problems in optimal planning using analog computers] Reshenie zadach optimal'nogo planirovaniya na elektronnykh modelakh. Kiev, Naukova dumka, 1966, 163 p.

## OPERATIVE GYNECOLOGY see Gynecology, Operative

## OPERATIVE SURGERY see Surgery, Operative

## OPERATORS (MATHEMATICS)

Condition of absence of weak lacunae in a certain hyperbolic equation. A. B. Mitelman. Vest. Mosk. un. Ser. I, Mat., mekh. 21 no. 6:28-33 N-D '66.

Constructing linear operators in correlation scheme of geological interpretation of gravity and magnetic anomalies. G. I. Karataev, A. V. Chernyi, I. U. M. Gusev. Izv. AN SSSR Fiz. zem. no. 12:28-36 '66.

Criterion of the unicity of dissipative Volterra operators with nuclear imaginary components. M. S. Bredikhin, G. E. Kisilovskii. Izv. AN SSSR Ser. mat. 30 no. 6:1213-1228 '66.

Degenerate algebras of operators in Pontryagin's spaces. M. A. Naumov. Izv. AN SSSR Ser. mat. 30 no. 6:1229-1256 '66.

Elliptic (co-) boundary problems. B. I. Sternin. Dokl. AN SSSR 172 no. 1:44-47 Ja '67.

A generalization of projection methods. N. I. Pot'skii. Dokl. AN SSSR 167 no. 2:290-293 N '66.

A generalization of the power problem of moments. I. U. M. Naumov. Dokl. AN SSSR 172 no. 3:514-517 Ja '67.

The non-self-adjoint Schrödinger operator. B. S. Pavlov. Probl. mat. fiz. no. 1:102-132 '66.

One-parameter families of expansions of a symmetrical operator. A. V. Shtraus. Izv. AN SSSR Ser. mat. 30 no. 6:1325-1352 '66.

Pseudodifferential operators of the main type. I. U. V. Egorov. Dokl. AN SSSR 171 no. 4:778-780 D '66.

Some applications of the theory of normally solvable operators to differential equations of infinite order. I. U. F. Korobchik. Mat. sbor. 72 no. 1:3-37 Ja '67.

Some classes of perturbed operators for strongly continuous semigroups. V. V. Kuchenko. Vest. Mosk. un. Ser. I, Mat., mekh. 21 no. 6:3-11 N-D '66.

Trace formulas and some asymptotic estimates of the nucleus of the resolvent for Schrödinger's operator in three-dimensional space. V. S. Buslaev. Probl. mat. fiz. no. 1:82-101 '66.

Trace of the difference between two high-order ordinary differential operators. V. A. Sadovnichii. Dif. urav. 2 no. 12:1611-1624 D '66.

## OPERETTA—ANALYSIS, APPRECIATION

Zhukova, L. L. [Art of operetta] Iskustvo operetty. Moskva, Znaniye, 1967, 78 p. (Narodnyy universitet. Fakul'tet literatury i iskustva, no. 1).

## OPHTHALMOSCOPE

Adapting an ophthalmological illuminator for micro-operations of the ear. L. I. Kalashnikov. Zhur. ush., nos. i gorl. bol. 18 no. 4:78-79 D-Ag '69.

## OPHTHALMOSCOPY

Ophthalmoscopic and campimetric data in the evaluation of the activity of rheumatic process. B. N. Alekseev, G. B. Tupikin. Sov. med. 29 no. 10:31-36 Q '66.

## OPTIC LOBES—INNERVATION

Neuronal composition and interneuronal connections of posterior corpus bigeminum in bats. L. I. Sukhovskaya. Arkh. anat., gist. i embr. 51 no. 12:33-38 D '66.

## OPTIC NERVE

Neuronal composition and interneuronal connections of visual cortex in swine. A. S. Kozhanov. Arkh. anat., gist. i embr. 51 no. 12:38-45 D '66.

Role of cortical and thalamic levels in the formation of recovery cycles of evoked potentials in the visual zone of the cerebral cortex. A. A. Supina. Fiziol. zhur. 52 no. 11:1207-1204 N '66.

## OPTIC THALAMUS

Microform phological changes in optic thalamus nuclei following brain tumor. N. G. Gametseidze. Soob. AN Gruz. SSR 41 no. 2:169-176 N '66.

## OPTICAL GLASS see Glass, Optical

## OPTICAL INSTRUMENTS

Evaluation of the hardness of optical coatings. V. N. Rozhdavitskii. Opt. mekh. prom. 33 no. 12:54-56 D '66.

Manufacture of optical parts with aspherical surfaces using an elastic instrument. O. G. Karlin, V. G. Kuznetsov. Opt. mekh. prom. 33 no. 12:57-61 D '66.

Restoration of image from hologram in nonmonochromatic light. G. I. Kossov, L. N. Kalitkina, M. P. Golovoi. Pis'ma v Zhur. eksp. i teoret. fiz. 4 no. 3:84-86 Ag '66.

Space-time separation of light pulses by means of semi-transparent mirrors. I. U. Ostrovskii. Opt. i spekt. 21 no. 5:620-623 N '66.

## OPTICAL MEASUREMENTS

Calculating mirror-lens systems from third-order aberration formulas. D. A. Romanov. Izv. vuz. ucheb. zav. i geod. i aerof. no. 6:123-129 '62.

## OPTICS

Use of optical systems and the holography method in the restoration of directly diagrams of superhigh-frequency antennas from field measurements in the Fresnel zone. L. D. Bakhtakh, A. P. Kurochkin. Dokl. AN SSSR 171 no. 6:1309-1312 D '66.

## OPTICS, GEOMETRICAL

Analytical study of the scanning trajectory of the optical image and the classification of scanings. I. U. V. Likhachev. Opt. mekh. prom. 33 no. 12:1-6 D '66.

## OPTICS, PHYSICAL

Characteristics of difference frequency generation on basis of nonlinear optical effects. V. L. Strizhevskii. Zhur. prikl. spekt. 5 no. 5:685-687 N '66.

## ORBIT (EYE)

Changes in orbital floor caused by diabetes mellitus. V. P. Leikhtshteyn, L. A. Chikotila. Soob. AN Gruz. SSR 44 no. 3:803-810 D '66.

## ORDZHONIKIDZE—GLASSWORKERS—DISEASES AND HYGIENE

Goncharenko, V. P. [Industrial safety in work areas, control, comprehensive plans, public inspections] Otkrytiye truda na rabochikh mestakh, kontrol', kompleksnyye plany, obshchestvennyye smotry. [Moskva] Profdat, 1966, 45 p. (Biblioteka profsovnogo aktivista, no. 35(155)).

## ORDZHONIKIDZE REGION (AZERBAIJAN)—CORROSION AND ANTI-CORROSIVES

Corrosion of underground equipment of wells in fields of "Ordzhonikidze" Trust. O. K. Ovchinnikov. Azerb. neft khoz. 45 no. 11:43-44 N '66.

## ORDZHONIKIDZE REGION (AZERBAIJAN)—OIL FIELDS—EQUIPMENT AND SUPPLIES

Corrosion of underground equipment of wells in fields of "Ordzhonikidze" Trust. O. K. Ovchinnikov. Azerb. neft khoz. 45 no. 11:43-44 N '66.

## ORE DEPOSITS

(See also subdivision under Allat Mountains; Bug Valley; Dzhebelgarn District; Dzhangarian Alatau; Gissar Range; Karamazar Mountains; Kazakhstan; Kuznetsk Alatau; Orulgan Range; Sweden; Uzbekistan)

Characteristics of the petrography of ore deposit areas. A. A. Bulynnikov. Trudy TGU 164:86-95 '63.

Regional problems of volcanic plutonic formations and their ore potential. E. K. Ustiev. Izv. AN SSSR, Ser. geol. no. 1:130-134 Ja '67.

Selecting an economically advantageous variant of deposit stripping in open-pit mining. A. T. Shelest and others. Izv. vuz. ucheb. zav., gor. zhur. 8 no. 9:19-22 '65.

## ORE DRESSING

(See also subdivision under Kirov Rog Basin) Coking of coal and ore briquets as a method of pelletizing and chemical preparation of ores for blast furnace smelting. V. E. Matveev, D. M. Lisin. Trudy Khim. -met. inst. Sib. otd. AN SSSR no. 16:105-113 '61.

Methods of determining volume weight of iron concentrates at the DOF treatment plant storage area. P. P. Bogdanov, A. N. Ivchenko. Izv. vuz. ucheb. zav.; gor. zhur. 8 no. 10:47-51 '65.

Planning of ore dressing plants and stage treatment processes. M. M. Polakov. TSvet. met. 33 no. 3:4-9 Mr '60.

Practices for the preparation of high-purity molybdenite. V. A. Skovov, V. A. Kuleshov. TSvet. met. 33 no. 3:1-4 Mr '60.



## ORE DRESSING—EQUIPMENT AND SUPPLIES

Systems of automatic control of comminution processes, satisfying various requirements of ore dressing. I. V. Plakun, Z. V. Uteush, Izv. Vuzov, gor. zhur. 6 no. 10:133-137 '65.

Vertical vibrating conveyor-lifts. V. B. D'vachkov, TSvet. met. 33 no. 3:13-19 Mr '60.

ORE DRESSING PLANTS see subdivision under Kirovsk

ORE DRESSING PLANTS—EQUIPMENT AND SUPPLIES see subdivision under Kirovsk

ORE HANDLING—EQUIPMENT AND SUPPLIES

UP-3 loader. Shakti stroi. 5 no. 11:3 of cover N '61.

OREL—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

Galvanization at the building site. G. Gruzkov, Na strel. Ros. 1 no. 8:30 Ag '63.

OREL—HISTORY

[The city of Orel is 400 years old] Gorodu Orlu 400 let. Tula, Priorskoe Pribluzhnoe Izd-vo, 1966. 154 p.

OREL—INDUSTRIAL MANAGEMENT

A study group for organizations of party groups. Part. zhizn'. no. 4:61 P '67.

OREL—TUBERCULOSIS—DIAGNOSIS

Tracheobronchoscopic examination of patients in Orel. Antituberculoz Dispensarij. V. I. Moiseeva, Probl. tub. 14 no. 1:53-55 '66.

OREL REGION—ATMOSPHERIC TEMPERATURE

Studying thermal using gliders. P. A. Vorontsov, Trudy GGO no. 189:38-53 '66.

ORENBURG—FEED INDUSTRY

Enrichment of mixed feeds with trace elements and antibiotics at the Orenburg Mixed Feed Plant. G. Tarasina, Muz. zhizn. prom. 26 no. 1:15-16 Ap '60.

ORENBURG PROVINCE—AMPHIBIANS, FOSSIL

Cemetery of ancient amphibians in Orenburg Province. V. G. Ochev, M. A. Shishkin, Piroda no. 1:78-85 Ja '67.

ORENBURG PROVINCE—CADMIUM

Characteristics of cadmium manifestation in Tatarian sediments in Orenburg portion of Ural Mountain region. F. Z. Bur'lanova, G. G. Kochin, N. P. Tifonov, Dokl. AN SSSR 171 no. 4:974-977 D '66.

ORENBURG PROVINCE—CORN (MAIZE)

Corn as a good preceding crop for spring wheat in the southeast. V. F. Anikovich, Zemledelie 8 no. 1:83-89 Ap '60.

ORENBURG PROVINCE—PASTURES AND MEADOWS

Possibilities of feed production. M. Konstantinov, Zemledelie 29 no. 1:16-19 Ja '67.

ORENBURG PROVINCE—ROTATION OF CROPS

Corn as a good preceding crop for spring wheat in the southeast. V. F. Anikovich, Zemledelie 8 no. 4:83-89 Ap '60.

ORENBURG PROVINCE—WHEAT

Corn as a good preceding crop for spring wheat in the southeast. V. F. Anikovich, Zemledelie 8 no. 4:83-89 Ap '60.

ORES—SAMPLING AND ESTIMATION

Ivanov, N. V. [Sampling of mineral deposits; textbook for correspondence course groups for raising the qualification of engineers and technicians]. Oprobovanie mestorozhdenij poleznykh iskopayemykh; uchebnoe posobie dlia zaochnykh grupp povysheniya kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov. Leningrad, Leningradskii gornyi in-t, 1965. 117 p.

A method of automatic analysis of the composition of multicomponent media. E. I. A. Ivanchenko, B. S. Kobakov, Izv. vys. ucheb. zav. gor. zhur. 10 no. 1:157-162 '67.

Sampling methods based on the economic value of core ores and the natural conditions of mineral deposits. N. V. Ivanova, Zap. LGI 43 no. 2:58-77 '62.

Taking into account systematic errors made in the determination of actual compositions of ore components. G. S. Porotov, Zap. LGI 43 no. 2:88-92 '62.

Use of correction coefficients in calculating reserves. A. P. Prokof'ev, Razved. i okh. nedr. 26 no. 8:23-26 Ag '60.

ORES—TRANSPORTATION

Machine for loading ores from storage place to river ships. I. T. Matveev, Biol. tekhn. ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 12:57-58 D '66.

ORES, MAGNETIC SEPARATION OF see Magnetic separation of ores

ORESSA VALLEY—DRAINAGE

Drainage of bogs in the Oressa River basin. S. Kruglenia, Gid. i mel. 19 no. 1:87-90 Ja '67.

ORGANIC ACIDS see Acids, Organic

ORGANIC COMPOUNDS

Absorption of organic substances at the mercury-thallium nitrate solution interface. M. M. Andrushev, N. Kh. Anupova, B. B. Danil'shin, Fiziko-khimiya 2 no. 12:1480-1482 D '66.

Tennikova, T. I. [Modern theory of the structure of organic compounds]. Sovremennaya teoriya struktury organicheskikh soedinenii. [Leningrad] Izd-vo Leningr. univ., 1966. 23 p. (Khimika v vuzakh, no. 3)

ORGANIC COMPOUNDS—SPECTRA

Pulse photolysis of solid organic substances studied by means of electron paramagnetic resonance. A. I. Rivkind, L. I. Medvedev, Dokl. AN SSSR 172 no. 1:137-140 Ja '67.

ORGANIC MATTER

Hydrochemical characteristics of the formation of primary production in sea water. M. V. Fedonov, N. V. Azova, I. A. Ermachenko, Trudy VNIRO 60:69-77 '66.

ORGANIZATION OF AFRICAN UNITY

Decisions of the Liberation Committee of Africa. M. Kremenov, Nov. vrem. 25 no. 7:20 P '67.

ORGANIZATION OF AMERICAN STATES

"Gorilla" on the march. N. Egorova, Mezhdunar. zhizn'. 14 no. 2:133-131 '67.

Schlack for Yankee diplomacy. Juan Cobo, Nov. vrem. 25 no. 10:16 Mr '67.

An unholy alliance for the Western Hemisphere. Juan Cobo, Nov. vrem. 25 no. 6:16-18 P '67.

ORGANOALUMINUM COMPOUNDS

Addition of dialkyl aluminum hydrides to conjugated diene hydrocarbons. L. L. Zakharukin, L. A. Savina, Izv. AN SSSR, Ser. khim. no. 1:78-84 Ja '67.

ORGANOCHLORINE COMPOUNDS

Oxidative phosphorylation and glycolysis in the tissues of the sugar beet weevil Bothynoderes punctiventris is poisoned by insecticides. K. A. Gai and others. Khim. v sel. khoz. 5 no. 1:27-30 Ja '67.

ORGANOCHLORINE COMPOUNDS—TOXICOLOGY

Contact toxicity of organochlorine compounds for the sugar beet weevil Bothynoderes punctiventris and Tanytarsus pallidus. N. M. Peimlakova, I. G. Molchanova, Khim. v sel. khoz. 5 no. 1:31-32 Ja '67.

ORGANOFLUORINE COMPOUNDS

Aliphatic fluoronitro compounds. Report No. 6: Some conversions of polyfluoronitro alkanes. I. L. Krumants, L. S. Gorman, I. N. Rozhtov, Izv. AN SSSR, Ser. khim. no. 12:2111-2115 '66.

Hexafluoroisobutyl fluoride and nitrogen oxides. I. U. A. Chaburkov, N. Mukhamadaliyev, I. L. Krumants, Izv. AN SSSR, Ser. khim. no. 12:2119-2122 '66.

Perfluorodimethylketene and perfluoromethacrylic acid. Report No. 5: Hexafluoroisobutyl fluoride and sulfuric and sulfurous acid chlorides. I. U. A. Chaburkov, N. Mukhamadaliyev, I. L. Krumants, Izv. AN SSSR, Ser. khim. no. 12:2115-2119 '66.

ORGANOGERMANIUM COMPOUNDS

Preparation of trimethylchlorogermane, methylbromogermanes, and propyltrichlorogermane by direct synthesis. G. I. A. Zueva, N. V. Luk'iankina, V. A. Ponomarenko, Izv. AN SSSR, Ser. khim. no. 1:192-194 Ja '67.

ORGANOGERMANIUM COMPOUNDS—SPECTRA

Experimental and theoretical study of the line intensity of the vibrational spectra of organogermanium compounds and some hydrocarbons. S. V. Markova, Trudy Fiz. inst. 35:150-227 '66.

ORGANOLITHIUM COMPOUNDS

Effect of the character of substitution at  $\gamma$ -piperidone nitrogen on the stereochemistry of phenyllithium synthesis. F. A. Mistrlikov, N. I. Aronova, Izv. AN SSSR, Ser. khim. no. 1:139-143 Ja '67.

Kinetics of the reaction of n-butylmagnesium with n-butyl bromide in presence of electron-donor additions. A. I. Shafarenko, E. A. Kovriznykh, V. M. Basmanova, Khim. i tekhn. 7 no. 6:193-196 N-D '66.

ORGANOMAGNESIUM COMPOUNDS

Splitting of  $\beta$ -ethoxycarbonyl group in cyanoethoxy-substituted vinyl ethers by organomagnesium compounds. M. F. Shostakovskii and others, Dokl. AN SSSR 171 no. 4:887-889 D '66.

ORGANOMERCURY COMPOUNDS

Absorption of organomercury compounds in a multilayer adsorbent having fluidized beds of activated carbon. I. F. Zemsakov, A. S. Stepanov, V. I. Gnedov, Zhur. prikl. khim. 34 no. 6:1354-1356 Je '61.

ORGANOMETALLIC COMPOUNDS

Borilov, S. N., M. G. Voronkov, and E. A. Iakovleva [Organosilicon-organometallic compounds; monographs and derivatives]. Khimicheskoe soedineniia v tekhnologii i legkoj promyshlennosti. [Leningrad] Khimika, 1965. 541 p.

Comparative study of photochemical chlorination of ethylchlorosilane and ethylchlorosilane. M. A. Fedina, G. I. A. Zueva, A. G. Kuchina, Izv. AN SSSR, Ser. khim. no. 12:215-221b '66.

Mobility of hydrogen atoms in methyl groups of methyl ketones of the methylene series. N. V. Kholmukova, V. A. Ponomarenko, D. N. Kuznetsov, Izv. AN SSSR, Ser. khim. no. 1:31-38 Ja '67.

Organometallic synthesis and study of some properties of 6, 13-dihydrocyclopentadiene. N. N. Shklyadina, A. I. Gerasimov, I. I. Akhmetov, Soob. Akad. Nauk SSSR 41 no. 1:60-61 (3) D '66.

Reaction of diphenylchlorosilane with 1,4-dihydronaphthalene. K. A. Andrianov, A. L. Shklyadina, R. Shklyadina, Izv. AN SSSR, Ser. khim. no. 12:222b-222b '66.

Study of ternary complexes formed in the interaction of dihaloalkanes with aromatic hydrocarbons. V. I. Kholmukova, V. N. Sokolov, I. I. Utkin, Dokl. AN SSSR 171 no. 1:867-868 D '66.

ORGANONITROGEN COMPOUNDS

Catalytic reduction of nitrobenzene, nitrobenzene, benzene, phenylhydrazine by alcohols. N. K. Kuznetsov, M. N. Tsvetkov, Khim. v sel. khoz. 5 no. 1:11-12 Ja '67.

Ternary complexes of rare earth elements with the metal trifluoroacetate and some organic bases. I. V. Kholmukova, I. I. Kholmukova, N. S. Ponomareva, Khim. i tekhn. 7 no. 12:147-148 '66.

ORGANOPHOSPHORUS COMPOUNDS

Conjugation in systems with phosphorus tetrahedral structure. Substituted benzyltriphenylphosphonium salts. I. A. Muzikova and others, Dokl. AN SSSR 171 no. 1:611-614 Ja '67.

Effectiveness of organophosphorus compounds for controlling red-gall apple aphid Dysaphis devecta. I. A. Selivanova, Khim. v sel. khoz. 5 no. 1:11-12 Ja '67.

Kubachnik, M. I. [Organophosphorus substances]. Khimicheskoe veshchestvo. Moskva, Znanie, 1967. 31 p. (Novoe v zhizni, nauka, tekhnika. XI Seriya Khimika, 3)

Organophosphorus nitroalcohols. O. O. Iakovleva, I. I. Kholmukova, I. I. Kholmukova, Izv. AN SSSR, Ser. khim. no. 12:2134-2134 D '66.

Production of phosphorus compounds of alkylphosphites. A. M. Kuliev, G. K. Veliev, Soob. Akad. Nauk SSSR 41 no. 240-245 '66.

Reaction of chloral with some organophosphorus compounds. L. A. Antshin, P. I. Alimov, Izv. AN SSSR, Ser. khim. no. 12:2135-2139 '66.

Synthesis of derivatives of N-phosphorylmethylphosphonate and N-phosphorylmethylphosphonate. I. N. Iakovlev, P. I. Alimov, Izv. AN SSSR, Ser. khim. no. 12:2139-2140 '66.

ORGANOSILICON COMPOUNDS

Borilov, S. N., M. G. Voronkov, and E. A. Iakovleva [Organosilicon-organometallic compounds; monographs and derivatives]. Khimicheskoe soedineniia v tekhnologii i legkoj promyshlennosti. [Leningrad] Khimika, 1965. 541 p.

Effectiveness of heating the reaction apparatus with organosilicon heat carriers. S. L. Golovaty, Khim. i tekhn. 7 no. 6:56-58 '66.

Hydrolytic isomerization of  $\gamma$ -trifluoropropylchlorosilane with dimethyl-, methylphenyl-, and methyltrifluoropropylchlorosilanes. V. A. Ponomarenko, N. M. Kholmukova, I. T. Mamchur, Izv. AN SSSR, Ser. khim. no. 12:2120-2135 '66.

Oplov, N. F., M. V. Androsova, and N. V. Vvedenskii, [Silicon organic compounds in the textile and light industries]. Khimicheskoe soedineniia v tekhnologii i legkoj promyshlennosti. Pod red. M. G. Voronkova. Moskva, Legkaja Industriya, 1966. 238 p.

Radiation-chemical studies of liquid polyorganosiloxanes with variable content of aromatic groups in reaction with side ramification of molecules. T. I. Ponomarenko and others, Khim. i tekhn. 7 no. 8:983-989 N-D '66.

Steamed concrete with GKZh-81 organosilicon admixture. S. S. Rolak, V. V. Krylov, M. K. Perevedeeva, Tekhn. i stroi. 10 no. 3:40-42 Mr '66.

Synthesis and properties of some ethynylchlorosilanes. E. A. Chernyshev, G. P. Pavlov, Izv. AN SSSR, Ser. khim. no. 12:2205-2207 '66.

Synthesis of some 1,1-substituted 1-silylchlorohexane. N. S. Nemetkin and others, Dokl. AN SSSR 171 no. 6:1315-1347 D '66.

Telomerization of octamethylcyclotetrasiloxane with methyl- $\gamma$ -trifluoropropylchlorosilane and tri- $\gamma$ -trifluoropropylchlorosilane. V. A. Ponomarenko, N. M. Kholmukova, Izv. AN SSSR, Ser. khim. no. 12:2123-2128 '66.

ORIBATIDAE see subdivision under Polesya

ORIENTAL SORE see Delhi boil

## ORIENTAL STUDIES

(see also subdivision under Italy)

The Third All-Union Conference on the History, Culture, and Philology of the Ancient East. N B Sempai Vest, izv. lit. no. 4 225-230 '66.

## ORIENTAL STUDIES—CONGRESSES

Filmmographic topics at the 26th International Congress of Orientalists. Sov. etn. no. 2, 117-119. M.-A. '61.

## ORIENTATION (ARCHITECTURE)

Orientation of residential buildings under conditions typical of the fourth climatic district. CHU Baplshev. Izv. ASIA no. 3 114-116 '61.

Summer overheating of buildings and their orientation. B. I. Vasil'ev. Izv. ASIA no. 3 119-123 '61.

## ORION

Studying the process of combining nitrogen in the dump - flat zone. P. B. Levit. Nauch.-issled. trudy TSNIKHI za 1953 g. 76-85.

## ORNITHINE

Synthesis of poly-L-ornithine. V. G. Debnikov, V. D. Dvorydov, A. A. Muzozhuk. Izv. AN SSSR, Ser. khim., no. 12 2153-2156 '66.

## OSSETIA (WHITE RUSSIA)—SERVICE INDUSTRIES—FINANCE

Planning for profit in service industry enterprises. I. P. Chetnikov. Fin. v. SSSR 41 no. 156 Jan. '67.

## OSSETIA—EDUCATION, ELEMENTARY

Practice through the example of heroic subjects. I. P. Dolin. Nauch. shkola 35 no. 2 1-6 Feb. '67.

## ORTHODOX EASTERN CHURCH

Chirochman message from His Holiness Patriarch Alexei to parishes, parishes, and all the faithful of the Russian Orthodox Church. Zhur. Mosk. Patr. no. 12 1-2 '66.

News from the dioceses. Zhur. Mosk. Patr. no. 12 45 '66.

Services of His Holiness Patriarch Alexei. Zhur. Mosk. Patr. no. 12 42 '66.

Unifying position of the Orthodox Eastern Church in regard to the theory of ethics. V. F. Dolin. Pyt. at. 12 no. 1 60-73 '65.

The views of the present-day Orthodox Eastern Church on the problem of war and peace. M. M. Kopanytska. Pyt. at. 12 no. 1 61-67 '65.

## ORTHODOX EASTERN CHURCH—CEREMONIES AND PRACTICES

Unifying tendencies of the present-day Orthodox Eastern Church in the sphere of religious rites. A. M. Ponomarev. Pyt. at. 12 no. 1 60-63 '65.

## ORTHODOX EASTERN CHURCH—CLENIG

Archbishop Chirskiy, obituary. His monastic Agafangel. Zhur. Mosk. Patr. no. 12 30-42 '66.

Death of Ioann. Bishop of Khov and Slobodskoy. Zhur. Mosk. Patr. no. 12 11 '66.

## ORTHODOX EASTERN CHURCH—RELATIONS

Address of His Beatitude (His Holiness Patriarch Alexei) at a reception by His Holiness Patriarch Alexei. Zhur. Mosk. Patr. no. 12 15-16 '66.

Address of His Holiness Patriarch Alexei at a reception by His Beatitude (His Holiness Patriarch Alexei). Zhur. Mosk. Patr. no. 12 13-15 '66.

At a festive reception in the Kremlin. Zhur. Mosk. Patr. no. 12 5 '66.

At a reception by His Holiness Patriarch Alexei. Zhur. Mosk. Patr. no. 12 10 '66.

At diplomatic receptions. Zhur. Mosk. Patr. no. 12 10-11 '66.

Brief news. Zhur. Mosk. Patr. no. 12 11 '66.

Brotherly visit. V. I. Ioskov. Zhur. Mosk. Patr. no. 12 16-20 '66.

Decisions of the Holy Synod. Zhur. Mosk. Patr. no. 12 2 '66.

Delegation of the Ethiopian Church in the Soviet Union. Zhur. Mosk. Patr. no. 12 19-20 '66.

Delegation of the Russian Orthodox Church at the celebration of Saint Cyril and Methodius. Zhur. Mosk. Patr. no. 12 17 '66.

Discussion of the Anglican problem. Zhur. Mosk. Patr. no. 12 3-1 '66.

Exchange of telegrams between His Holiness Patriarch Alexei and Archbishop of Canterbury Michael Ramsey. Zhur. Mosk. Patr. no. 12 17 '66.

Exchange of telegrams between His Holiness Patriarch Alexei and His Grace Metropolitan Constantine, locum tenens of the Patriarch of Alexandria. Zhur. Mosk. Patr. no. 12 6 '66.

Letter from His Holiness Patriarch Alexei to His Holiness Athanasios, Patriarch of Constantinople. Zhur. Mosk. Patr. no. 12 5-6 '66.

Sojourn in the Soviet Union of a delegation of the World Lutheran Federation. Zhur. Mosk. Patr. no. 12 9 '66.

Sojourn of Filaret, Archbishop of Kiev and Galich. Exarch of the Ukraine in Greece. Zhur. Mosk. Patr. no. 12 7-9 '66.

## ORTHOGONAL FUNCTIONS see Functions, Orthogonal

## ORTHOGONAL SERIES see Series, Orthogonal

## ORTHOPEIDIA

[Orthopedics, pathology of the joints] Ortopediya, patologiya sustavov. Kiev, Zdarov'ia, 1956. 282 p. (DNLM)

Surgical treatment of the distal section of the shin and the malleolus. Kh. T. Tikhonov. Ortop., travm., i protez. 27 no. 12 35-41 D '66.

## ORTHOPEDIC APPARATUS

Chenometer table for the upper extremity. I. U. P. Kolesnikov. Ortop., travm., i protez. 27 no. 12 61-66 D '66.

## ORTHOPEDIC SOCIETIES see subdivision under Ukraine

## ORTHOPEDIC TRACTION

Split device for the treatment of transcondylar fractures of the humerus in children. V. K. Urmonas. Ortop., travm., i protez. 27 no. 12 66-68 D '66.

## ORTHOPTERA see subdivision under Indonesia

## ORULGAN' RANGE—ORE DEPOSITS

Manifestation of hydrothermal mineralization in the northern part of the Orulgan' Range. V. A. Faddeev. Inform. bul. NIIGA no. 15 62-67 '59.

## OSCILLATIONS

Approximate integration of equations describing oscillations of nonlinear systems with slowly varying parameters. Dop. AN URSR no. 7 870-883 '62.

Problem of rapidly oscillating forces in the statistical theory of the stability of shells. V. M. Moncharenko. Dop. AN URSR no. 7 887-890 '62.

Resonance phenomena for localized oscillations. M. A. Ivanov. Fiz. tverd. tela 8 no. 11 3299-3309 N '66.

Sommerfeld effect in systems with randomly varying natural frequency. M. T. Dimenbergh, K. V. Fioletov. Dokl. AN SSSR 171 no. 6 1293-1296 D '66.

## OSCILLATIONS—BOUNDARY VALUE PROBLEMS

Boundary value problem in the theory of oscillations with boundary conditions depending on the parameter. L. I. Balabukh, A. G. Molchanov. Prikl. mat. i mekh. 30 no. 6 1098-1102 N-D '66.

## OSCILLATIONS—ELECTROMECHANICAL ANALOGIES

Transient process in a three-mass torsion system with electro drive. G. I. Annan'ev. Izv. vys. ucheb. zav.; gor. zhur. 10 no. 12 137-141 '67.

## OSCILLATIONS—SPECTRA

Harmonic analyzers of the spectrum of nonperiodic electrical oscillations. R. G. Vinogradova, I. P. Rozhnova, L. N. Tikhomirova. Sbornik nauch. po vop. elektromekh. no. 4 276-281 '60.

## OSCILLATORS, CRYSTAL

Forces of oscillators for absorption spectra of solutions of chlorides and perchlorates of praseodymium, neodymium, samarium, and erbium in various solvents. R. I. Slavkina, V. I. Danilova, V. V. Serebrennikov. Trudy TGU 195 63-71 '65.

## OSCILLATORS, ELECTRIC

Calculation of the response time of a parametric generator. S. S. Sviridenko. Radiotekhnika 22 no. 1 15-22 Jan. '67.

Frequency-impulse converter using a silicon stabilotron. I. I. Bul'bul, M. L. Golitsch. Izv. vys. ucheb. zav.; elektromekh. 9 no. 12 1442-1347 '66.

## OSCILLATORS, TRANSISTOR

Frequency regulated tunnel diode oscillator. V. G. Krikunov, B. A. Bolchuk. Radiotekhnika 22 no. 1 41-46 Jan. '67.

Problems of dynamics of a multistable pulsed element. B. M. Fomel. Radiotekhnika 22 no. 1 52-57 Jan. '67.

Translator RC-master oscillator for thyristor frequency converters. E. E. Iudin, V. V. Trifonov. Energ. i elek. no. 8 29-31 N-D '66.

Tunnel-diode oscillator in a band line. G. F. Matukov. Prom. Bel. 10 no. 2 50-51 F '67.

## OSCILLOGRAPHY

Central control service of pipeline performance using electronic digital computers and oscillograph. Naft i gaz. prom. no. 5 54-55 S-O '66.

## OSCILLOGRAPHY

Diagnostic possibilities of the VKS-1 oscilloscope of Akhulishchev's system. V. D. Dzhorzhikija, V. D. Kulashov. Kardiologiya 3 no. 1 85-87 Jan. -F '63.

Effect of Chukharyud hydrogen sulfide baths on the cardiovascular system according to oscillographic data. Report No. 2. L. R. Guseinov. Sbornik Azurb. nauch.-issled. inst. kur. i fiz. metod. lech. no. 6 169-171 '62.

Use of an electron oscillograph for demonstration of the displacement and velocity law during oscillations. V. B. Bolotin. Izv. vys. ucheb. zav.; fiz. 9 no. 6 123-125 '66.

## OSH PROVINCE—CONSTRUCTION INDUSTRY—MANAGEMENT

Five sources of profit. T. Sagomaniants. Nauch. khoz. Kazakh 21 no. 12 62-63 D '66.

## OSHSKAYA PROVINCE—PLANTS, PROTECTION OF

In Oshskaya Province. Kh. Salimov. Zashch. rast. 12 no. 1 5-6 '67.

## OSSETIA—BIOGRAPHY

Kaloev, G. G. [They made Irston famous] Onl. proslavili Irston. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1965. 51 p. (CS-11)

## OSSETIA—STONE AGE

Geological and geomorphological conditions of South Ossetian Paleolithic sites. A. D. Kolobov. Trudy Kom. chetv. per. 10 119-119 '61.

## OSSETIA, NORTH—GEOLOGY, STRATIGRAPHIC

Lower Jurassic sediments in North Ossetia. I. U. G. Leonov. Biol. MOP. Old. geol. 36 no. 3 56-69 My-Je '61.

## OSSETIA, NORTH—HISTORY

History of Russian-Ossetian relations in 80% and 90% of the 18th century. V. G. Macharadze. Soob. AN Gruz. SSR 44 no. 2 517-524 N '66.

## OSSETIA, NORTH—INFLUENZA

Influenza of 1959 in North Ossetia. E. F. Chumakova. Sbornik nauch. trud. SOGMI no. 10 41-44 '61.

## OSSETIA, NORTH—MEDICAL SOCIETIES

From the history of the Terek Medical Society. E. D. Gribanov. Sbornik nauch. trud. SOGMI no. 10 180-185 '61.

## OSSETIA, NORTH—TEACHERS COLLEGES

A normal school in Northern Ossetia. U. Morgoev, A. Totoev. Nar. obr. no. 1 29-31 Ja '67.

## OSSETIC EPIC POETRY see Epic poetry, Ossetic

## OSSIFICATION

Ossification of the myocardium. M. A. Golosovskaya. Arkh. pat. 28 no. 12 67-69 '66.

## OSTASHKOV DISTRICT—FISHERIES

Whitefish and carp rearing in lakes. I. U. L. Nikanorov. Ryb. khoz. 43 no. 1 18-20 '67.

## OSTEOMYELITIS

Exercise therapy in osteomyelitis of the shinbones. V. P. Zubynin. Sbornik nauch. rab. Azovo-Cher. inst. mekh. sel.-kh. no. 14 106-123 '58.

Regeneration of osseous tissue under conditions of chronic infection. Z. P. Lubagina. Ortop., travm., i protez. 27 no. 12 17-22 D '66.

Role of disorders of intravascular blood circulation in the pathogenesis of experimental osteomyelitis. V. I. Stetsula, V. I. Shtin. Ortop., travm., i protez. 27 no. 12 22-27 D '66.

## OSTEOPOROSIS

Osteoporosis in infectious nonspecific polyarthritis. I. U. S. Khomakov. Vest. rent. i rad. 11 no. 6 29-34 '66.

## OSTER REGION (UKRAINE)—FINE

Struggle against the lodging of pine seedlings at the Oster Forestry and Logging Unit. P. A. Rykhtsk. Lis. hosp., liq. pap. i der. prom. no. 1 22-23 Jan.-F '67.

## OSTRACODA, FOSSIL see subdivision under Azerbaijan; Prut Valley

## OSTROVSKII, ALEXANDR NIKOLAEVICH, 1823-1885

A. N. Ostrovskii's concept of his "Snow maiden." Zh. V. Kullak. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1 159-170 '62.

World significance of Ostrovskii. A. Shteyn. Vop. lit. 5 no. 9 109-129 S '61.

## OTOLARYNGOLOGICAL SOCIETIES see subdivision under Ukraine

## OTOLARYNGOLOGICAL SOCIETIES—CONGRESSES see subdivision under Ukraine

## OTOLARYNGOLOGY see subdivision under Ukraine

## OTO LARYNGOLOGY—CONGRESSES

First All-Russian Congress of Otorhinolaryngologists. A. G. Nikhanson. Zhur. ush. nos i gorl. bol. 19 no. 6 83-85 N-D '59.

## OTOSCLEROSIS

- Comparative evaluation of various methods for treating barycoxia in otosclerosis. K. L. Khilov, Zhurush, nos 1 gorl bol 14 no 15-9 JI-Ag 159
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## Oxygen Industries

- Tikhonuk I. O., and G. N. Shlygin, [Mock-up method of designing, experience in planning enterprises for the oxygen industries] Model'no-maketnyy metod proyektirovaniya; opyt proektirovaniya p'edpr'iyatiy kislородnoi promyshlennosti. Moskva, Stroizdat, 1966, 147 p.

## Oxygen Therapy

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Effect of oystershell scale on the population of apple with apple cleaning moths G. B. Sapak, Trudy KIFKIU 55:332-333 '66.

## OZEK-SUAT OIL FIELD—PETROLEUM—THERMAL PROPERTIES

Temperature dependence of the heat conductivity of narrow-boiling range Ozek-Suat oils. I. U. L. Rastorguev, Z. I. Gel'man, B. A. Gigaev, Izv. Akad. Nauk SSSR 12 no. 1: 50-55 Jan '67.

## OZOKERITE—PHYSIOLOGICAL EFFECT

Changes in the state of the vegetative nervous system in healthy persons following a single application of ozokerite on the stomach. I. U. M. Volchukov, Trudy Turk. Nauch. Inst. Med. i Biol. 12 no. 1: 85-89 '65.

## OZOKERITE—THERAPEUTIC USE

Goldenberg, M. I. [Ozokerite and its therapeutic properties] Ozokerit i ego lechebnye svoystva. Kiev, Zdrorova, 1965. 47 p. (DNLN)

## OZOLINS, MARTINS

[Martin Ozolins; album of reproductions] Martins Ozolins; reprodukciju albuma. Riga, Liesma, 1966. 78 p. (chiefly illus.) [In Latvian and Russian]

## OZONE

Determination of density and refractive index of ozonized air. V. I. Sokol, V. V. Matveev, L. I. Vol'nov, Izv. AN SSSR, Ser. Khim., no. 12:2735-2737 '66.

Distribution of general content of ozone in jet streams. V. I. Vasin, V. I. Vorob'ev, Trudy GGO no. 161:31-34 '66.

International comparison of ozonometric devices of U.S.S.R. and German Democratic Republic in Tashkent G. P. Gushchin, Trudy GGO no. 184:35-40 '66.

## PACCHIONIAN BODIES

Differences in structure and topography of maculoid bodies in granulation in man. S. T. Arkhipova, Arkh. anat., gist. i embi. 51 no. 12:51-61 D '66.

## PACIFIC OCEAN—ANATOPTERUS

Anatopteris pharao in the northern part of the Pacific Ocean. I. A. Polutov, Vop. geog. Kurch. no. 1:136-139 '66.

## PACIFIC OCEAN—ATMOSPHERIC TEMPERATURE

Role of temperature field of ocean in formation of anomalies of atmospheric circulation and anomalies of severity of winters on seas, as revealed by study made in northwestern part of Pacific Ocean. A. N. Kryudin, Trudy NIIMK no. 16:21-48 '66.

## PACIFIC OCEAN—DESCRIPTION AND TRAVEL

"Villaz" in Pacific Ocean, the 38th voyage of a "science ship." V. G. Kori, Priroda no. 19:57-61 Jan '67.

## PACIFIC OCEAN—DIATOMS

Quantitative distribution of diatoms in surface layer of Pacific sediments. A. P. Zhurav, O. G. Korlova, V. V. Melnikova, Dokl. AN SSSR 171 no. 6:1435-1438 D '66.

## PACIFIC OCEAN—EARED SEALS

Recent data on the distribution and migrations of the North Pacific fur seal. I. B. Bliman, Vop. prog. Kurch. no. 4:112-111 '66.

## PACIFIC OCEAN—HYDROBIOLOGICAL RESEARCH

Brief news and information. Zool. zhurn 45 no. 12:1090-1091 '66.

## PACIFIC OCEAN—HYDROBIOLOGY

Formation of increased biological productivity zones in Pacific Ocean. V. V. Natarov, E. I. Chernyi, Trudy VNIRO 60:125-133 '66.

## PACIFIC OCEAN—MARINE SEDIMENTS

Quantitative distribution of diatoms in surface layer of Pacific sediments. A. P. Zhurav, O. G. Korlova, V. V. Melnikova, Dokl. AN SSSR 171 no. 6:1435-1438 D '66.

## PACIFIC OCEAN—OCEAN TEMPERATURE

Role of temperature field of ocean in formation of anomalies of atmospheric circulation and anomalies of severity of winters on seas, as revealed by study made in northwestern part of Pacific Ocean. A. N. Kryudin, Trudy NIIMK no. 30:21-40 '66.

## PACIFIC OCEAN—OCEANOGRAPHIC RESEARCH

Thirty-eighth voyage of research ship "Villaz" II; basic scientific results. V. G. Kori, Okeanologiya 6 no. 5: 1099-1107 '66.

## PACIFIC OCEAN—SAURY

Formation of commercial concentrations of Pacific saury. I. U. V. Novikov, Trudy VNIRO 60:143-149 '66.

## PACKED TOWERS

Study and development of automatic control systems of complex rectification towers. A. S. Brozko, V. A. Tunoshenko, Neft i gaz prom. no. 5:10-13 S-O '66.

## PACKING (MECHANICAL ENGINEERING)

Improving design of stuffing box packing of electric drills. E. M. Uchakov, P. M. Zetser, Mash i elekt. obrab. no. 11:16-20 '66.

Stand testing of small-size plate packings. V. A. Dainichenko, V. M. Lukhtantsev, Mash i elekt. obrab. i avtomatiz. trud. prots. i ugol' prom. no. 2:398-412 '63.

## PACKINGHOUSE WORKERS

Honored with the title of Hero of Socialist Labor. Miss Ind. SSSR 38 no. 1:5 Jan '67.

## PACKINGHOUSES see subdivision under Peim

## PACKINGHOUSES—ELECTRIC EQUIPMENT

Effectiveness of the electric pulse method for bone degreasing. M. Fedorov and others, Mias ind. SSSR 38 no. 1:12-14 Jan '67.

## PAIN

Effect of chronic pain stimulations on spinal reflexes. G. E. Danilov, Fiziol. zhurn 52 no. 1:1356-1359 N '66.

Effect of radon baths on the pain syndrome in spondylogonia. A. N. Vengerova, Vop. kur. i fizioter. i lech. fiz. 31 no. 6:517-520 '66.

## PAINT, LUMINOUS

Use of cationic dyes (astrazons) in the production of day-fluorescent paints. B. M. Krasovitskiy and others, Lakokr. mat. i kh. prim. no. 6:6-8 '66.

## PAINT INDUSTRY—CONGRESSES

8th congress of FATIPEC. B. R. Mirenskii and others, Lakokr. mat. i kh. prim. no. 6:87-89 '66.

## PAINT INDUSTRY—FINANCE

Calculation of group norms for deductions from profits for the incentive fund of the enterprises of the paint industry. Z. B. Vetukhovich, M. M. Ostromoukhov, Lakokr. mat. i kh. prim. no. 6:75-77 '66.

## PAINT MATERIALS

Answers to questions on the use of paint materials. A. S. Kresova, Lakokr. mat. i kh. prim. no. 6:71 '66. Goltzenia, I. U. G. [Using new paints in construction; a survey] Primenenie novykh krasok v st. otel'stve, obzor. Riga, Latvian SSR publ. inst. nauchno-tekhn. informatsii i propagandy, 1966. 45 p.

## PAINT MATERIALS—CONTAINERS

Urgent problems of the container supply. L. N. Leibzon, I. U. Pustynnik, Lakokr. mat. i kh. prim. no. 6:72-74 '66.

## PAINTING

Liaskovskaya, O. A. [Russian open air painting of the 19th century] Pioner v russkoi zhivopisi XIX veka. Moscow, Iskusstvo, 1966. 180 p. illus.

## PAINTING, INDUSTRIAL—EQUIPMENT AND SUPPLIES

Anticorrosive self-drying paints for complex cast-iron castings. A. P. Shkalin, N. V. Bashkireva, Fiz. tekhn. i kh. inform. Gos. nauch. inst. nauch. i tekhn. inform. 10 no. 12:18-19 D '66.

Flying caseling and acrylic coating paints with a solution of chrome tanned gelatin. F. I. Selimov, Prom. Bel. 10 no. 2:25 F '67.

Semiautomatic line for painting metallic containers. B. A. Melnik, Bul. tekhn. i kh. inform. Gos. nauch. inst. nauch. i tekhn. inform. 10 no. 11:27-28 N '66.

## PAINTING, SPANISH—EXHIBITIONS

Gosudarstvennyy Ermitazh. [Spanish painting of the 16th and 17th centuries] Ispanskaya zhivopis' XVI-XVII vekov. [Leningrad, Izd-vo Gos. Ermitazha, 1963] 4 p. 20 illus. (in portfolio) (InNo)

## PANTINGS

On a "gallery of paintings." A. Abramova, Sem'ia i shkola 21 no. 7:49 J1 '66.

Our gallery of paintings. Sem'ia i shkola 22 no. 1:40 Jan '67.

## PAIR PRODUCTION

[Study of (e<sup>+</sup>e<sup>-</sup>) pair production by electrons with E = 2.4 GeV] Issledovanie obrazovaniya (e<sup>+</sup>e<sup>-</sup>) par elektronami energiei E = 2.4 GeV. [By] I. A. Dem'ianov. Dubna, 1967. 25 p.

## PAKISTAN REGION (UZBEKISTAN)—COTTON MACHINERY

What the comprehensive mechanization of cotton growing offers. Sh. Nazarov, L. Danilova, E. Rakhimov, Nar. khoz. Uzb. 3 no. 2:28-33 F '61.

## PAKISTAN—NATIONALITIES

Gankovskii, I. U. V. [The nationalities problem and national movements in Pakistan] Nacional'nyi vopros i nacional'nye dvizheniya v Pakistane. Moskva, Nauka, 1967. 267 p.

## PALEOBOTANY see subdivision under Armenia

## PALEOBOTANY, STRATIGRAPHIC see subdivision under Donets Basin, Gumbila Valley, Issyk-Kul' region, Kamchatka, Kolchida Lowland

## PALEOGEOGRAPHY

[see also subdivision under Balkhan Range region; Crimea, Georgia, Pamirs, Pechora Valley, Sary-Kamysh Depression, Tajik Depression, Timan Range] International Geological Congress. 20th, Mexico, 1958. [Cambrian system, its paleogeography, and the problem of lower boundary, a symposium] Kembrijskaya sistema ee paleogeografiya i problema nizhnego granitsy, simpozium. Moskva.

Vol. 3. [Western Europe, Africa, U.S.S.R., Asia, America] Zap. Evropa, Afrika, SSSR, Azia, Amerika, 1961. 515 p. [In 5 languages]

## PALEOGEOGRAPHY—CONGRESSES

Problems of glacier morphology and paleogeography at the 19th International Geographical Congress in Stockholm. K. K. Maikov, Vest. Mosk un. Ser. 5 Geog. 16 no. 1:71-78 Jan '61.

## PALEOMAGNETISM

Laboratory evaluation of usefulness of sedimentary rocks of North Korea for paleomagnetic studies. G. Z. Gurani and others, Izv. AN SSSR Fiz. zem. no. 11:126-135 '66.

One case of secondary magnetization in modified lava. I. P. Skovorodina, Izv. AN SSSR Fiz. zem. no. 12:88-94 '66.

Origin of natural remanent magnetism of red-bed clays of Gzhel' stage of Moscow Basin. O. L. Bagina, Izv. AN SSSR, Fiz. zem. no. 12:82-87 '66.

## PALEONTOLOGY

[see also subdivision under Moldavia] Preservation of classical occurrences of fossil remains. A. A. Trilinger, Bul. MOIP Old geol. 36 no. 3:151-152 My-Je '61.

## PALEONTOLOGY, STRATIGRAPHIC

[see also subdivision under Black Sea region; Caucasus; Daghestan, Novaya Zemlya; Pay-khoy] Vyalov, O. S. [Traces of vital activity of organisms and their paleontological significance] Sledy zhiznedatel'nost' organizmov i ikh paleontologicheskoe znachenie. Kiev, Naukova dumka, 1966. 210 p.

## PALLADIUM

Possibility of reducing the tendency in steel toward flake formation by means of small additions of palladium. V. I. Arkharov and others, Izv. AN SSSR Met. no. 1:105-111 Jan '67.

## PALLADIUM CHLORIDES

Oxidation kinetics of lower olefins by palladium chloride in aqueous solutions. I. D. Molisev and others, Dokl. AN SSSR 171 no. 6:1355-1358 D '66.

## PALLADIUM PLATING

Mechanism of the anodic dissolution and electrodeposition of palladium in bromide electrolytes. V. I. Kravtsov, M. I. Zolenskii, Vest. LGU 21 no. 22:128-135 '66.

## PALLADIUM-SILVER-CADMIUM ALLOYS see Silver-palladium-cadmium alloys

## PALYGORSKITE

Effect of ion exchange on the physicochemical properties of palygorskite. A. A. Panasyevich, F. D. Ovcharenko, IE. H. Kukovskiy, Dop. AN URSR no. 7:931-935 '62.

## PALYNOLGY

[see also subdivision under Zhitomir Province]

Microfossil characteristics of deposits of the Upper Karabul' series and use of spore and pollen analysis in geological explorations of continental Quaternary deposits in the southeastern part of Turkmenistan. L. G. Anurskaya, Trudy Turk. geog. ob-va no. 2:86-105 '61.

## PAMIRS—DESCRIPTION AND TRAVEL

Stanukovich, K. V. [On the trail of an astonishing mystery, from the diary of an expedition] Po sledam udivitel'noi zagadki; iz dnevnika ekspeditsii. [Moskva] Molodaya gvardiya, 1965. 197 p. (CU)

## PAMIRS—FRESHWATER FAUNA

Some data on chemical composition of aquatic plants in lakes of eastern Pamirs. M. M. Ikramova, Izv. Old. biol. nauk AN Tadzh. SSR. no. 4:112-115 '66.

## PAMIRS—GEOLOGY, STRATIGRAPHIC

Pleistocene stratigraphy and paleogeography of southwestern Pamirs. A. A. Nikonov, M. M. Pakhomov, Dokl. AN SSSR 171 no. 4:940-943 D '66.





## PARAFFINS (Continued)

Reale acid preparation for its use in the process of oxidation of liquid paraffin hydrocarbons to alcohols. V. V. Veselov, V. M. Pedalov, I. I. Ilyubetskaya. Trudy NISZHMISA no. 2 40-41 '61.

Certain problems involved in modeling the process of liquid-phase oxidation of paraffin hydrocarbons. V. V. Veselov, A. I. Il'ina. Trudy NISZHMISA no. 2 13-19 '61.

Characteristics of paraffin oxidation by air with the addition of active manganese dioxide. V. A. Potchenko, Masl., zhuk. prom. 12 no. 10 26-27 '66.

Composition of nonsulfated compounds and their use in oxidizing paraffins to fatty acids. G. I. Moskvina and others. Masl., zhuk. prom. 11 no. 1 20-23 Ja '67.

Determining paraffin content in petroleum and petroleum products. N. I. Demianchik, V. I. Mikhailovich. Neft i gaz. prom. no. 6 38-39 N-D '66.

Developing new methods of paraffin control. S. T. Lushin, Nauch.-tekhn. sbor. po dokh. no. 3 96-97 '59.

Effect of free gas on the crystallization temperature of wax. V. M. Potchev, G. P. Trobin, A. A. Gromova, Nauch.-tekhn. sbor. po dokh. no. 8 70-71 '60.

Effect of the addition of unsaponifiable matter to paraffin on the output and composition of fatty acids. A. I. Il'ina, M. A. Marchenko. Masl.-zhuk. prom. 32 no. 11 20-22 N '66.

Linear speed of air as a basic criterion in modeling the process of liquid-phase oxidation of paraffin hydrocarbons. V. V. Veselov, A. I. Il'ina. Trudy NISZHMISA no. 2 19-25 '61.

Obtaining higher monoolefin hydrocarbons by thermal cracking of solid paraffins. I. V. Ilichev, I. L. Brown, Neft i gaz. prom. no. 5 43-45 S-O '66.

Oxidation of liquid paraffin hydrocarbons to alcohols in the presence of decreased amounts of boric acid. V. V. Veselov and others. Trudy NISZHMISA no. 2 30-35 '61.

Reaction of 2-methylcaptoyl imidines with some  $\alpha$ ,  $\omega$ -dihydroalkanes. N. G. Pashkov, V. S. Rozuk. Dokl. AN SSSR 171 no. 4 871-876 D '66.

Role of dispersity and preliminary dehydration of boric acid during its use in the process of oxidation of paraffin hydrocarbons. V. V. Veselov, V. M. Pedalov. Trudy NISZHMISA no. 2 25-29 '61.

Spectrophotometric determination of hydroxyl numbers of oxidation products of paraffin hydrocarbons. B. P. Kotelnikov, Z. A. Prokhorova, N. T. Gerashina. Trudy NISZHMISA no. 2 85-89 '61.

Thermal stability of borates of secondary high-molecular alcohols. V. V. Veselov, V. M. Pedalov, V. V. Alekseenko. Trudy NISZHMISA no. 2 11-18 '61.

## PARAFFINS—THERAPEUTIC USE

Treatment of chronic diseases of the liver and bile ducts by the use of Turkish mineral water and paraffin. V. A. Ilichev. Vop. kuz., fizioter., i lek. fiz. kul't. 27 no. 6 493-500 N-D '62.

## PARAFORMALDEHYDE

Use of paraffin in the production of aminoformaldehyde resin. N. A. Gushchik, I. V. Kul'pina. Lakokras. mat. i khim. prom. no. 6 58-70 '66.

## PARAGENESIS

Mineral paragenesis of genthelite and cassiterite. I. S. Galitskii. Min. sbor. 20 no. 1 46-52 '66.

PARAGONITE see subdivision under Ural Mountains

## PARAGUAY—POLITICS AND GOVERNMENT

The revolutionary movement in growing Miguel Rodriguez. Agitator no. 17 22-24 S '62.

## PARALLELEPIPED

First fundamental problem in the theory of elasticity for a rectangular parallelepiped. G. M. Valov, Fizik. mat. i tekhn. 30 no. 6 1057-1070 N-D '66.

## PARAMAGNETIC RESONANCE AND RELAXATION see Electron paramagnetic resonance

## PARAMAGNETISM

Paramagnetism of Tb-Y and Ho-Y alloys. G. A. Shafigullina, V. I. Ghecherikov, I. A. Makova. Vest. Mosk. un. Ser. 3: Fiz., astron. 21 no. 6 96-97 N-D '66.

Study of properties of Si-H bond in mononuclear silanes by paramagnetic resonance method. V. O. Helikshfeld, L. N. Gubanova. Teor. i eksper. khim. 2 no. 5 622-634 S-O '66.

Susceptibility of silver alloys to spin paramagnetism. B. F. Khromov, B. A. Almazanin. Fiz. met. i metalloved. 22 no. 4 551-555 O '66.

## PARASITES

Akademiia nauk URSR. [Parasites and parasitoses of man and animals] Parazit i parazitozy cheloveka i zhivotnykh. Kiev, Naukova dumka, 1965. 411 p. (Respublikanskii mezhdovedennyi sbornik. Seriya: Problemy parazitologii) (DNAL)

PARASITES—ANSEERIFORMES see subdivision under Chukchi Peninsula

PARASITES—BATS see subdivision under Moldavia

PARASITES—BIRDS see subdivision under Kara Kum Canal region, Moldavia, Turkmenistan; White Russia

## PARASITES—DEER

Blain elaphostrogylus in deer raised for antlers. E. I. Priadko. Vest. sel'khoz. nauki [Kazakh] 10 no. 1 105-108 Ja '67.

## PARASITES—EURYGASTERS

Life of Hymenoptera parasitizing on nymphs of Eurygaster integriceps Part. G. I. Viktorov. Zool. zhur. 45 no. 12 1797-1803 '56.

PARASITES—FELIDAE see subdivision under Moldavia

PARASITES—FIELD MICE see subdivision under Saratov Province

## PARASITES—FISHES

(see also subdivision under Atlantic Ocean; Moldavia)

Effect of chloramine-B on ectoparasites of fish in aquariums. G. D. Goncharov. Trudy Inst. biol. vnutr. vod. no. 10 336-340 '66.

Fish helminths in Lake Balkal. A. M. Parukhin, V. A. Mironov. Uch. zap. GGU no. 50 308-311 '59.

## PARASITES—GEESSE

A new anthelmintic for controlling goose nematodiasis. M. V. Katkov. Vest. sel'khoz. nauki 11 no. 12 84-86 D '66.

PARASITES—GROUND SQUIRRELS see subdivision under Turkmenistan; Yakutia

PARASITES—HAMSTERS see subdivision under Moldavia

PARASITES—HEDGEHOGS see subdivision under White Russia

PARASITES—HORSEFLIES see subdivision under Armenia

PARASITES—MARMOTS see subdivision under Tajikistan

PARASITES—MUSTELIDAE see subdivision under Moldavia

## PARASITES—RED SPIDER

Food and biology of some predatory insects feeding on fruit mites. L. V. Andreeva. Vest. sel'khoz. nauki [Kazakh] 10 no. 1 98-104 Ja '67.

PARASITES—REPTILES see subdivision under Armenia

PARASITES—RODENTS see subdivision under Polesye

PARASITES—SEALS (ANIMALS) see subdivision under Greenland Sea

## PARASITES—SHEEP

Controlling echinococcosis by a rapid method. V. T. Ramazanov, V. I. Kuznetsov, B. K. Zaplatkin. Vest. sel'khoz. nauki [Kazakh] 10 no. 1 80-84 Ja '67.

PARASITOLOGY see subdivision under Moldavia

## PARASYMPATHOLYTIC AGENTS

Anticholinesterase properties of O-n-alkyl-S-butylmethyl phosphonates. A. V. Abdurakhimov and others. Dokl. AN SSSR 171 no. 4 857-859 D '66.

## PARATUNKA VALLEY—THERMAL WATERS

Geomorphology of the Paratunka Valley and age of the Upper Paratunka Hot Springs. T. S. Kraeva. Vop. geog. Kanch. no. 4 101-103 '56.

## PARATYPHOID FEVER

Characteristics of the course of typhoid, paratyphoid and other diseases in neuropsychic patients. Trudy Gos. nauch.-issl. inst. psikh. 26-206-304 '61.

Clinical aspects of recidivations of typhoid and paratyphoid diseases. N. M. Patarkalishvili. Soob. AN Gruz. SSR 27 no. 2 241-245 Ag '61.

## PARATYPHOID FEVER—MICROBIOLOGY

Functional state of the liver in typhoid and paratyphoid bacterial carriage. T. N. Golubchikova. Sov. med. 29 no. 10 90-102 O '60.

## PARATYPHOID FEVER—PREVENTIVE VACCINATION

Effectiveness of specific vaccination of monkeys against paratyphoid fever. Repert. No. 2, V. D. Gekker and others. Zhur. mikrobiol., epid. i immun. 44 no. 1 38-42 Ja '67.

## PARCHMENT

Heavy-weight parchment paper. F. I. Korchemkin, E. I. Ermakov. Bum. prom. 37 no. 5 14 My '62.

## PARENT AND CHILD

Postupalskaya, M. I. [Discovery of the world] Otkrytie mira. Moskva, Znaniye, 1967. 70 p. (Narodnyi universitet. Pedagogicheskiy fakul'tet, no. 1)

To be a person. L. Ochakovskaya. Sem'ia i shkola 21 no. 7 43 Ji '66.

## PARENT AND CHILD (LAW)

Natasha's life. I. Chermenskiy. So's zakon. 38 no. 7 61-65 Ji '61.

## PARIS—COMMUNE, 1871

Immortality of the revolutionary heroic deeds, an article dedicated to the Day of the Paris Commune. Pierre Duand. Agitator 34 no. 4 29-31 F '67.

## PARIS—POLITICS AND GOVERNMENT

The policy of decentralization of Paris and its results. A. F. Sinka. Vest. Mosk. un. Ser. 5 Geog. 16 no. 1 31-36 Ja-F '61.

## PARKHOMENKO, ALEKSANDR IAKOVLEVICH, 1885-1921

Fearless division commander. V. Petukhov. Sov. voia 43 no. 24 12 D '61.

## PAROLE

Ekonstil, V. A. [Supervisory commissions] Nabludatel'snye komissii. Moskva, Iurid. lit-ra, 1966. 125 p.

## PAROTID GLANDS

Effect of chronic irritation of external seminal nerve on parotid gland secretions. K. T. Tashenov, Sh. D. Siminov. Trudy Inst. fiziol. AN Kazakh SSR 10 81-84 '66.

Effect of complex supplementary feeding with microelements on secretory activity of parotid gland in sheep. M. A. Rozybakiev. Trudy Inst. fiziol. AN Kazakh SSR 10 96-100 '66.

Effect of manganese on secretory activity of parotid gland in sheep. M. A. Rozybakiev. Trudy Inst. fiziol. AN Kazakh SSR 10 85-89 '66.

## PARQUET FLOORS

Solov'ev, B. F., and M. D. Sakharov. [New technology of woodworking in the production of parquet boards] Novaya tekhnika derevoobrabotki v proizvodstve parketnykh dosok. Moskva, Lesnaya promyshlennost', 1966. 70 p.

PARTIAL DIFFERENTIAL EQUATIONS see Differential equations, Partial

## PARTICLE BOARD

Change in wood under various temperature conditions in compressing particle boards. G. F. Potutkin, L. V. Shirayeva. Izv. vys. ucheb. zav. i les. zhur. 9 no. 6 110-121 '66.

Modernization of the hydraulic system of the DS-1 bench in the particle board shop of the Kiev Wood-Processing Combine. M. S. Strannykov. Les. hosp., lis., pap. i dr. prom. no. 12-15 Ja-F '67.

Preparing panel doors from particle board. N. F. Gushchenko, K. L. Kostushko. Transp. stroi. 16 no. 4 52-53 Ap '66.

## PARTICLE SIZE DETERMINATION

Calculation of the process of dissolution of solid particles in a bubble-type tower. V. I. Ermakov, A. N. Planovskii. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 9 no. 5 845-848 '66.

Tendency of variability of entropy of granulometric fractions of terrigenous rocks and its relations to dynamics of sedimentation medium. A. I. Aineime, E. I. Romanovskii. Dokl. AN SSSR 171 no. 4 960-962 D '66.

## PASSIVATION

Anodic behavior of indium in potassium hydroxide solutions. Part 2: Study of anodic passivation of indium in the presence of phase oxide film formation. F. F. Faizullin, N. A. Amirhanova. Elektrokhlmlia 2 no. 12 1383-1388 D '66.

Effect of degassing conditions on passivation and magnetic properties of nickel catalyst carrier. E. G. Shirokov, I. P. Kirillov. Izv. vys. ucheb. zav. i khim. i khim. tekhn. 9 no. 5 738-743 '66.

Mechanism of zinc passivation in strong zincate solutions of alkali. T. I. Popova, N. A. Simonova, B. N. Kabanov. Elektrokhlmlia 2 no. 12 1476-1479 D '66.

Nickel passivation in sulfuric acid solutions. N. A. Buno. Zashch. met. 3 no. 1 50-54 Ja-F '67.

Use of rotating disk electrode with a ring for studying passivation mechanism of metals. A. I. Oshe and others. Elektrokhlmlia 2 no. 12 1485-1487 D '66.

## PASSIVITY (CHEMISTRY)

Passivation and destroying the passive state of metals. T. P. Khoi. Zashch. met. 3 no. 1 20-33 Ja-F '67.

## PASTEURELLA

Determination of the resistance of Pasteurella pestis to antibiotics. A. F. Optikova, I. M. Vorona, G. B. Alimov, Zhur. mikrobiol., epid. i immun. 44 no. 1 98-103 Ja '67.

**PASTURES AND MEADOWS**  
(see also subdivision under Burulakh Valley, Orenburg Province, Smolensk Province, Ustyurt)  
Biological principles underlying cultivated meadow management, S. P. Smelov. Vest. sel'khoz. nauk 11 no. 12, 43-49 D '66.  
Methodology for studying the biological and economical productivity of hayfields and pastures, I. V. Larin. Vest. sel'khoz. nauk 11 no. 12, 101-104 D '66.  
Pommers, P. [Cultivated pastures] Kultivetas ganības Rīga, Līcisma, 1966 315 p. [In Latvian] (DNAL)

**PASTURES AND MEADOWS—CONGRESSES**  
Problems of Alpine meadows. Vest. sel'khoz. nauk 11 no. 11:157-158 '66.

**PASTURES AND MEADOWS—EXHIBITIONS**  
Agricultural exhibition goes to Poland. S. Spokoin. Inform. bliz. VDNKH no. 132 Ja '67

**PASTURES AND MEADOWS—IRRIGATION**  
(see also subdivision under Kazakhstan; Yakutia)  
Irrigation of cultivated pastures and the organization of their areas. A. V. Enukov. Gidrot. 19 no. 140-45 Ja '67

**PATENT LICENSES**  
Licenses as a commodity, V. Tomachinskii. Vneshtorg 46 no. 11:34-36 '66

**PATENTS**  
[Inventions, industrial samples, trademarks] Izobr., prom. obraz., tov. znak. 44 nos. 3-4 '67.

**PATENTS—TERMINOLOGY**  
Levin, V. A. [Terminology in the field of patents] Terminologiya patentovedeniia. Tallinn, TSCNtr biuro lekhn. informatsii SNKh ESSR No 1 1964 23 p.

**PATHOGENIC FUNGI** see Fungi, Pathogenic

**PATHOLOGICAL ANATOMY** see Anatomy, Pathological

**PATHOLOGICAL HISTOLOGY** see Histology, Pathological

**PATHOLOGICAL PHYSIOLOGY** see Physiology, Pathological

**PATHOLOGICAL PSYCHOLOGY** see Psychology, Pathological

## PATHOLOGY, CELLULAR

Characteristics of the pathology of nerve cells in the cerebral cortex in schizophrenia, V. S. Tsvitko. Zhur. nevro. psikh. 62 no. 11:1712-1722 '62  
Interpretation of changes in the number of "humalicks" in mature neutrophils in chronic myelosis in women, V. I. A. Shats. Probl. gemat. i perel. krovi 12 no. 1:51-52 Ja '67  
Similarity and difference in ultrastructure of embryonic, normal, and malignant cells of thyroid gland in rats. N. P. Dmitrieva. Arkh. anat., gist. i embriol. 51 no. 10:49-57 O '66

**PATON PLATEAU—GEOLOGY, STRUCTURAL**  
Some characteristics of geology of northern margin of Paton Plateau. S. A. Peimiskov. Izv. vys. ucheb. zav., geol. i razv. 10 no. 1:30-35 Ja '67

**PATRIOTISM**  
Acquaint the students with the revolutionary past of our people. O. I. Rosikhina. Nach. shkola 35 no. 1:18-22 Ja '67.  
Brief news. Vop. ist. KPSS II no. 2:156-158 F '67.

**PAVEMENTS**  
Repeated vibrating and the quality of cement concrete pavements, A. N. Zashchepin. Avt. dor. 24 no. 11:14, 15  
Laying of thin-layer pavements. Avt. dor. 24 no. 11:15-16

**PE—**  
Nar. khoz.  
Simonenko.  
34-1066  
Trudy  
Dmytro  
Pavlychka.

## PAY-KHOY—PALEONTOLOGY, STRATIGRAPHIC

Early Ordovician fauna in southern part of Novaya Zemlya and northern part of Pay-Khoy and its stratigraphic significance. V. I. Bondarev and others. Uch. zap. NIGA Ser. "Paleont. i biost." no. 10:15-63 '65.

**PAYMENT**  
Be more accurate in settling accounts with grain suppliers, B. Prokhorov. Zakup. sel'khoz. prod. no. 1:16-18 D '66  
Kaplan, L. M. [Economics of construction organizations under the conditions of paying for the construction project as a whole] Ekonomika stroitel'nykh organizatsii v usloviakh raschetov za ob'ekt v techenie. Moskva, Stroizdat, 1967 154 p.  
Participation in payments for direct delivery, A. Nikiforov, M. Ampol'skii, E. Geizboi. Mat. tekhn. snabzhen. 1 no. 1:64-67 O '66.

**PEACE**  
(see also subdivision under Europe)  
Address of Metropolitan Nikolai at the plenary session of the Consultative Committee of the Christian Peace Conference in Sofia. Zhur. Mosk. Patri. no. 12:50-51 '66  
Address of the head of the delegation of Russian Orthodox Church at a reception by His Holiness Patriarch Kirill and the Holy Synod of Bulgarian Church in honor of the members of the session of Consultative Committee of the Christian Peace Conference. October 22, 1966. Zhur. Mosk. Patri. no. 12:52-53 '66.  
Appeal of His Holiness Patriarch Alexii to the members of the Consultative Committee for the continuation of activities of the Christian Peace Conference in Sofia. Zhur. Mosk. Patri. no. 12:19 '66

Christian theses of peace, Brat. vest. no. 1:5 '66  
Communiqué of the conference of representatives of regional committees, ecumenical councils, and churches, members of the Christian Peace Conference. Brat. vest. no. 4:7-8 '66  
Communiqué of the International Secretariat of the Christian Peace Conference. Brat. vest. no. 1:6-7 '66  
Conference of the International Secretariat of the Christian Peace Conference with representatives of regional committees and churches, members of the Christian Peace Conference, M. V. Melnik. Brat. vest. no. 4:8-9 '66  
International peace and the independence of peoples: our responsibility for the future of mankind. P. Sokolovskii. Zhur. Mosk. Patri. no. 12:53-61 '66.  
Problems of peace in present-day sociology, P. N. Fedoseev. Vop. filos. 21 no. 1:3-16 '67.  
The views of the present-day Orthodox Eastern Church on the problem of war and peace, M. M. Kopanytsia. Pyt. atez. no. 1:61-67 '65

**PEARL FISHERIES** see subdivision under Kamchatka

**PEAS**  
(see also subdivision under Daghestan; Monastyr'skii District)  
Justification of an effective method for the final cleaning and sorting of pea and millet seeds, O. A. Ovshepa, Vest. sel'khoz. nauk [Kazakh], 10 no. 1:89-93 Ja '67.  
Mechanization of pea cultivation, V. Kavun, V. Chermus, Tekh. v sel'khoz. 21 no. 12:4-6 D '61

**PEAS—DISEASES AND PESTS**  
Use of systemic substances as a means for ridding peas of ascochyta blight. N. N. Khimel'. Trudy KISKhII 56 94-101 '66.

**PEASANT UPRISINGS** see subdivision under China; Siberia

**PEASANTRY**  
(see also subdivision under Algeria; Alind Mountain region; Azerbaijan, Georgia; Turkmenistan)  
The alliance of the working class and peasantry is a decisive factor in the struggle of the building of socialism and communism, Sh. O. Orakimbatov. Trudy TashGU no. 278:5-9 '66.  
Moiseeva, O. N. [The soviets of peasant deputies in 1917] Sovetskie kraevykh deputatov v 1917 godu. Moskva, Nauka, 1967. 204 p.

Strengthening and developing the alliance of the working class and the peasantry, K. Gusev. Ekon. sel'khoz. 42 no. 1:16-27 '67.

**PEASANTS IN LITERATURE**  
Description of Russian villages after the Reform of 1861 in I. A. Bunin's stories published in 1890's, R. F. Velikanova. Uch. zap. Kazakh gos. un. no. 27:83-106 '65

**PEAT**  
(see also subdivision under Estonia)  
Brief news. R. Putniece, V. P. Ogurtsov, M. A. Sukhanov. Torf. prom. 43 no. 8:27 '68.  
Effect of peat and green manure on nitrogen balance in turf-Podzolic soils, V. K. Mikhnovskii, P. N. Vysochik, L. V. Kotova. Agrokhimia no. 1:85-93 '67

Krytski, I. [Mineral fertilizers and peat bogs] Mineral'nye udobreniia i tsel'nykh, Minsk, Uradchal, 1965, 38 p. (Kompleksnii mekhanizatsiya na pall i for my) (DNAL)

**PEAT—DRYING**  
Methods of observing moisture transfer in drying peat. I. part of a low degree of decomposition, M. P. Volynskii, N. I. Gamaianov, A. P. Polonchev. Izv. vuzov. ucheb. zav., gos. zhur. 8 no. 19:27-31 '66.

**PEAT—MICROBIOLOGY** see subdivision under Georgia

**PEAT—TRANSPORTATION**  
Unit for contracting cut peat and similar materials in loading them into cars. L. N. Gromov, P. I. Zolotarev. Inform. - ekonom. inform. Gos. nauch. - issled. inst. mach. i tekhn. Inform. 19 no. 11:85-86 N '66

**PEAT DOGS**  
Tabaka, Laiba, and Korneilija Birkmane. [Notes on excursion to a peat bog] Bolniska ekskursija uz smilpuvu. Riga, Zinatne, 1966, 40 p. (Skolent biblioteka) [In Latvian]

**PEAT INDUSTRY**  
(see also subdivision under White Russia)  
Bogdanovich, F. A. [Fundamentals of the prevention in the peat industry] Osnovy protivopozharnoi tekhniki v torfianoi promyshlennosti. Minsk, Vyanika shkola, 1963. 108 p. [MICROFILM]

Decree of the Presidium of the Supreme Soviet of the U.S.S.R. on the awarding of U.S.S.R. orders and medals to the workers, engineers, and technicians of the peat industry and to the workers of party, soviet, trade union, and Communist Youth League organizations. Torf. prom. 43 no. 8:1-6 '66.

**PEAT INDUSTRY—FIRES AND FIRE PREVENTION**  
Small vacuum tank instead of a gas-jet apparatus, V. I. Chalkov. Torf. prom. 43 no. 8:26-27 '66.

**PEAT INDUSTRY—MANAGEMENT**  
Realizing an economic reform. Ch. A. Krupnik. Torf. prom. 43 no. 8:23-25 '66.

**PEAT INDUSTRY—QUALITY CONTROL**  
Quality of peat products. A. I. Chalkov, V. M. Kiselev. Torf. prom. 43 no. 8:10-22 '66.

**PEAT MACHINERY**  
Modernization of the equipment in the production of shredded peat, A. D. Volykhalov. Torf. prom. 43 no. 8:10-12 '66.  
Performance of the bog excavator-crane, G. P. Shibaev. Torf. prom. 43 no. 8:25 '66.

Resistance of bands during pneumatic transportation of shredded peat, V. M. Ponomarev. Torf. prom. 43 no. 8:17-10 '66.  
Study of the working part of a continuous peat loading machine, L. V. Vondikov. Torf. prom. 43 no. 8:17-14 '66.  
T-40 tractor in the drying of shredded peat, M. D. Kiselev. Torf. prom. 43 no. 8:25-26 '66.

**PEAT SOILS**  
The efficiency of vertical drains in peat soils, I. I. Evgen'ev. Osn., fund. i mekh. gran. 8 no. 5:10-11 '66.

**PECHORA BASIN—COAL MINES AND MINING—HAZARD MEASURES**  
Experience in building underground degasification installations in coal mines. I. A. Mukhin, Ugl. 42 no. 1:55-57 Ja '67.

**PECHORA VALLEY—PALEOGEOGRAPHY**  
Paleogeography of the Carboniferous in the Ural-Pechora region, V. A. Raznitayn. Bluz. MOIP, 66, geol. 36 no. 5:102-122 S-O '61.

**PECTIN**  
Studying the process of pectin hydrolysis and extraction from beet pulp, L. B. Sosnovskii, G. V. Iudin, G. I. Ivanova. Trudy VNIH no. 17:100-105 '66.  
Use of ion exchangers in the production of beet pectin, L. B. Sosnovskii, G. V. Buzina, O. F. Ivanova. Trudy VNIH no. 17:105-109 '66.  
Use of the mycelium as inoculum in submerged cultivation of mold fungi for the accumulation of pectinolytic enzymes, L. A. Khusanova, A. I. Malchenko. Prikl. i sp. prom. 33 no. 1:10-12 '67.

**PECTINASE**  
Investigation of pectinase activity in mycelial waste in the production of penicillin and streptomycin. O. A. Rashba, O. M. Zaitchenko. Mikrobiol. zhur. 24 no. 5:25-27 '62.

**PEDIATRIC SOCIETIES—CONGRESSES** see subdivision under Ukraine

## PEDIATRICS

Adrenaline and dexam test in young children. E. I. Chumakova. *Sbor nauch. trud. SOGMI* no 10 106-112 '61

Grom, G. I. [Diabetes mellitus in children] *Sakharnyi diabet u detei*. Moskva, Meditsina, 1965, 54 p. (Nauchno-populjarnaja meditsinskaja literatura) (DNI M)

## PERGAMUM

Study of the anatomical structure of the seeds of the common hawthorn. P. D. McPherson. *Farmatsiya zhur.* 17 no. 2, 57-61 '61

## PERMATITES

(see also subdivision under Karelia, Kazakhstani; Maimansk Province; Taymyr Peninsula; Transbaikalia; Yenisey Ridge)

Some characteristics of the formation process of crystalline pegmatites according to data on the gas composition of inclusions in minerals and rocks. M. M. Elina, V. S. Polykovskii. *Gekkhizma* no 10 881-890 '61

## PHIPUS, LAKE—FISHERIES

Efficient fish farming in Pekov-Chudskoye water body. A. P. Naumov. *Ryb. khoz.* 11 no 116 '61

PELICUS see subdivision under Rybinsk Reservoir

## PLIWS—CANCEH

Use of lymphography in the determination of radiation changes and metastatic lesions of the lymphatic system of the pelvis. I. I. Vishnevskaya, L. V. Prishchikova, Vop. onk. 13 no 1-12-18 '61

## PLNTHS, CONTRACTUAL

Isolation of contractual penicillin by count and inhibition gentian. A. Bykov. *Sov. iust.* 31 no 37-38 '61

## PENDULUM

Equilibrium stability of a physical pendulum filled with liquid. V. A. Samsonov. *Fizik. mat. i mekh.* 10 no 6 112-111 N-12 '66

## PENIANT INSPECTION

Studying a relation between resistance to the sinking of a mine and the angle of internal friction in sandy soils. G. P. Poterov. *Trudy MII* no 10 85-91 '66

Using static penetration for calculating bearing capacity of a pile. I. I. Kovalev. *Trudy MII* no 10 112-20 '66

PENGUINS see subdivision under Lazarev region, Antarctica

## PENICILLIN

Comparative experimental comparison of methicillin and penicillin. M. A. Petrova, S. M. Navashin. *Antibiotiki* 12 no 1 51-57 Ja '67

Inhalation of penicillin aerosols combined with the action of certain expectorants and diuretics in an experiment. P. S. Kozlov. *Zhur. mikrob. i gor. bol.* 19 no 6 11-16 N-D '59

Investigation of penicillinase activity in mycelial waste from the production of penicillin and streptomycin. O. A. Boshka, O. M. Zaitchenko. *Mikrobiol. zhur.* 24 no 5 25-27 '62

Results of clinical use of methicillin, the penicillinase-resistant penicillin. B. S. Prokhorov and others. *Antibiotiki* 12 no 1 76-79 Ja '67

Some problems of the mechanism of penicillin action on the bacterial cell. L. I. Tishchenko. *Antibiotiki* 12 no 1 91-95 Ja '67

Study of the functional state of the thyroid gland following prolonged introduction of streptomycin and penicillin. M. A. Khanchin, A. M. Khaitonova. *Antibiotiki* 12 no 1 99-111 Ja '67

Use of polyelectrolytes for removing admixtures from water solutions of penicillin. G. A. Zhukovskaya and others. *Antibiotiki* 12 no 1 3-8 Ja '67

## PENICILLINASE

Results of clinical use of methicillin, the penicillinase-resistant penicillin. B. S. Prokhorov and others. *Antibiotiki* 12 no 1 76-79 Ja '67

## PENICILLIUM

Characteristics of the antibiotic properties of *Penicillium vitale*, the producer of nitrooxide, in submerged fermentation. O. O. Nikol'skii. *Mikrobiol. zhur.* 24 no 5 39-46 '62

## PENICILLIUM—CULTURES AND CULTURE MEDIA

Inactivation of glucose oxidase and catalase biosynthesis by *Penicillium vitale* on media different carbohydrate. N. V. Pokrovskaya and others. *Mikrobiol. zhur.* 24 no 5 97-100 N-D '66

## PENSION

State concern for workers' pension coverage. V. Acharov. *Sov. trud.* 12 no 212-17 '61

## PENTACENE

Chemical synthesis and study of some properties of 6, 13-dihydro-pentacene. N. N. Shifiladze, A. I. Nogaidell, L. I. Abkhazova. *Sob. AN Gruz. SSR* 41 no 3 603-610 '66

## PENTADECENOIC ACID

Synthesis of cis-9-pentadecenoic and cis-9-heptadecenoic acids and study of their antiproliferative effect. V. A. Vasil, V. V. Dorogov, V. D. Bel'gerson. *Izv. AN SSSR, Ser. khim.* no 19 2241-2242 '66

## PENTAMIN—THERAPEUTIC USE

Pentamin treatment of some hypochondriac states in schizophrenia. M. S. Zaitova. *Trudy Gos. nauch. i issl. inst. psikh.* 26 128-135 '61

## PENTANONE

Reaction of dialkyl phosphites with diacetone alcohol. N. I. Rizolozhenskii, I. S. Mukhametov. *Izv. AN SSSR, Ser. khim.* no 1 210-212 Ja '67

## PENTANONE

Effect of conditions of isopropylbenzene hydroperoxide decomposition by sulfuric acid on formation of mesityl oxide. V. A. Levshina, Z. A. Pradytova, V. A. Sidorenko. *Neftekhim. i neftekhim.* no 12 33-35 '66

## PENZA PROVINCE—GRANARIES

Practice of receiving grain directly from the harvesters at the granaries of the Penza and Chelyabinsk Provinces. V. Blagov, *Muk. i elev. prom.* 26 no 3 7-8 Mr '60

## PENZHINSK RANGE—GEOLOGY, STRATIGRAPHIC

Carboniferous and Permian sediments of the Penzhinsk Range. A. F. Mikhailov. *Inform. biul. NNGA* no 15 20-32 '59

## PEPPERMINT

Quality of peppermint. I. A. Rogozhii, A. G. Dement'eva. *Mash. i khim. prom.* 32 no 10 30-31 O '66

## PEPPERMINT OIL

Study of the "vat residue" of oil of peppermint. Report No 1 General characteristics of the "vat residue" of oil of peppermint. N. M. Solodovnikchenko, I. U. Boylyuk. *Farmatsiya zhur.* 17 no 2 41-48 '62

## PEPSINOGEN

Determining structure of parameters of pepsinogen molecule. A. A. Vozina, B. K. Lemazhikhin. *Biofizika* 11 no 5 779-784 '66

## PEPTIC ULCER

Characteristics of the clinical course of gastric and duodenal peptic ulcer with lesions of the bile ducts. O. S. Aven'yanova. *Sov. med.* 30 no 1 93-95 Ja '67

Clinical and anatomical characteristics of repeated operations on the stomach. I. A. Demekha. *Khirurgia* 36 no 11 30-35 N '62

Closure of the duodenal stump in resection of the stomach. V. V. Ivanov. *Khirurgia* 36 no 11 121-123 N '62

Comparative results of the treatment of gastric and duodenal ulcers with sterilized serum "F". V. K. Anisimov, G. E. Il'enko. *Sov. med.* 29 no 10 97-99 O '66

Effectiveness of compound treatment of peptic ulcer, including hormone therapy. N. F. Bogurenko. *Sbor. nauch. trud. SOGMI* no 10 137-144 '61

Electrolyte composition of gastric juice in peptic ulcer. A. A. Fisher. *Sov. med.* 30 no 1 46-50 Ja '67

Late results of resection of the stomach in peptic ulcer. A. I. Gorshakov. *Sov. med.* 29 no 10 93-96 O '66

Resections of the stomach after suturing perforated gastroduodenal ulcers. P. V. Zabolotnikov. *Khirurgia* 36 no 11 35-10 N '62

Some characteristics of the clinical aspects, diagnosis and treatment of peptic ulcer in concomitant pancreatitis. Z. A. Bondar', M. E. Feklisova, G. A. Romanova. *Sov. med.* 30 no 1 40-45 Ja '67

Therapeutic tactics in the so-called cicatrized gastric and duodenal ulcers. P. N. Napsalov, A. P. Mirzaev. *Sov. med.* 30 no 1 100-102 Ja '67

Treatment of gastric and duodenal ulcer with deoxycorticosterone acetate. S. G. Vainshtein. *Sov. med.* 29 no 11 66-69 N '66

Treatment of peptic ulcer with intra-arterial introduction of novocaine. N. G. Drakhova. *Sbor. nauch. trud. SOGMI* no 10 146-150 '61

Use of hexonium and novocaine in the treatment of peptic ulcer. A. Kh. Adyrkhov, N. G. Drakhova. *Sbor. nauch. trud. SOGMI* no 10 145-147 '61

## PEPTIDES

Polypeptides in the blood serum in diseases of the thyroid gland. I. P. Bobov. *Probl. endok. i gorm.* 8 no 6 80-82 N-D '62

Preparation of N-(6-phenylthioacetyl) peptides. E. D. Kaverzova and others. *Izv. AN SSSR, Ser. khim.* no 12 2148-2152 '66

Study of synthetic polypeptide. Report No 2 Transitions  $\beta$ -structure coil into poly- $\alpha$ -carboxymethyl-L-cysteine following changes in pH medium and temperature. H. G. Ilarionova and others. *Biofizika* 11 no 5 762-765 '66

## PERCEPTION, DISORDERS OF

Nature of Chaperier's illusions. A. G. Baidarashvili. *Sob. AN Gruz. SSR* 27 no 2 217-234 Ag '61

## PERCHLORATES

Perchlorates of zirconium and hafnium. M. M. Bel'kova and others. *Trudy TGU* 185 161-167 '65

Preparation of perchlorates of some rare earths and study of their thermal decomposition. Report No 2 Perchlorates of dysprosium, holmium, cerium, ytterbium, and lutetium. M. M. Bel'kova, L. A. Alekseenko. *Trudy TGU* 185 38-41 '65

Preparation of some rare earth perchlorates and study of their thermal decomposition. Report No 1 Lanthanum, cerium, praseodymium, neodymium, samarium, gadolinium perchlorates. M. M. Bel'kova, L. A. Alekseenko. *Trudy TGU* 185 32-37 '65

Thermalolysis of anhydrous perchlorates of aluminum, scandium, yttrium, and lanthanum. M. M. Bel'kova, L. A. Alekseenko, V. V. Serebrennikov. *Trudy TGU* 185 146-150 '65

## PERCHLORIC ACID

Thermodynamic characteristics of the systems  $\text{HClO}_4 - \text{H}_2\text{O}$ ,  $\text{Ca}(\text{ClO}_4)_2 - \text{HClO}_4 - \text{H}_2\text{O}$  and saturated solutions of the system  $\text{Ca}(\text{ClO}_4)_2 - \text{HClO}_4 - \text{H}_2\text{O}$  at 25°C. L. S. Lulich, V. M. Shalagin. *Vest. LGU* 21 no 23 101-110 '66

## PERCOLATION

Economic efficiency of new percolation methods. A. I. Kozlov and others. *Sbor. trud. NIGS* 11 42-47 '65

Hydrolysis of cornstarch by means of percolation with alternating flow. R. I. Ulanovskaya, I. I. Korol'kov. *Sbor. trud. NIGS* 11 36-41 '65

## PERFORMANCE AWARDS

Honorary titles and honors, certificates to petroleum workers. B. Zhaleiko. *Neftekhim. i neftekhim.* 11 no 8 10, 30 Ag '66

PERFUMES see subdivision under Moscow

## PERICARDITE

Treatment of diffusion pericarditis. M. O. Makhachev. *Sov. med.* 29 no 10 76-81 O '66

Treatment of encapsulated pleurisy and chronic adhesive compressive pericarditis simultaneously with pneumectomy and subtotal pericardiectomy. A. N. Kabanov, I. I. Blau, G. L. Gofilov. *Grud. khir.* 9 no 1 87-91 Ja '67

## PERIMETRY

Ophthalmoscopic and campimetric data in the evaluation of the activity of rheumatic process. B. N. Alekseev, G. B. Tupilin. *Sov. med.* 29 no 10 31-36 O '66

PERIODIC FUNCTIONS see Functions, Periodic

## PERIODIC LAW

Interaction of elements of the periodic system. V. N. Gurin, A. P. Obukhov. *Porosh. met.* 6 no 12 72-83 D '66

Kornilov, I. I., and others. [Metallochemical properties of the elements of the periodic system, monograph and reference book] *Metallokhimicheskie svoystva elementov periodicheskoi sistema, monografiya i spravochnik*. Moskva, Nauka, 1966. 350 p. chart (insert)

Study of coordination in the light of concepts of the role of d-electrons in chemistry of elements of main subgroups of D. I. Mendeleev system. S. A. Shchukarev. *Probl. sov. khim. koord. soed.* no 1 5-27 '66

PERIODICALS—BIBLIOGRAPHY see Bibliography—Periodicals

PERIPHERAL NERVES see Nerves, Peripheral

## PERITONEUM—DISEASES

Multiplication of toxoplasma in peritoneal mesothelium. M. A. Lidiya, D. N. Zasukhin. *Biul. eksp. biol. i med.* 63 no 1 61-63 Ja '67

## PERITONEUM—TRANSPLANTATION

Operative treatment of recurrent inguinal hernias using preserved heterogenous peritoneum. A. I. Shusterov, T. A. Kolesnitskaya, N. T. Eliseev. *Khirurgia* 42 no 12 90-91 D '66

## PERITONITIS

Diffuse suppurative biliary peritonitis. A. A. Khachatryan. *Azerb. med. zhur.* 43 no 12 3-8 D '65

Postoperative biliary peritonitis. T. A. Malugina. *Khirurgia* 42 no 12 46-52 D '66

## PERITONITIS—PREVENTION

Some new ways of prevention and treatment of peritonitis in acute intestinal obstruction. K. L. Flai, I. I. Nelmark, I. U. M. Dederer. *Khirurgia* 42 no 12 82-86 D '66

- PERLITE**  
Use of perlite for the filtration of refinery's syrups. N. M. Fildorov. *Sikh priro* 41 no. 127-29 Ja '67.
- PERM—COLD STORAGE WAREHOUSES**  
Expansion of the cold storage warehouse in Perm. A. I. Tish. *Khol. tekhn* 43 no. 11-44 N '66.
- PERM—PACKINGHOUSES**  
Work five days a week. N. K. Kuchnikova. *Mirs* and *SSSR* 38 no. 115-16 Ja '67.
- PERM—PETROLEUM REFINERIES—MANAGEMENT**  
Zherebtsov, L. A., and M. P. Mikhrukov. [The plant and the people] *Zayod i ljudi*. [Perm'] *Permiskoe knizhnoe izd-vo*, 1965. 42 p.
- PERM—RAILROADS—REPAIR SHOPS**  
Remarkable changes in the Perm railroad repair shop. G. I. Brusnitsin, G. S. Kramai, E. L. Smirnov. *Elektr. i tepl. tsiaga* 10 no. 11-4 N '66.
- PERM PROVINCE—BOOKSTORES**  
Big tasks are ahead. A. Mikova. *Knizh. torg* 17 no. 11-15-16 N '66.
- PERM PROVINCE—CAVES**  
History of the study of karst and caves in Perm Province after the October Revolution (1917-1955). K. A. Gorbunova. *Peshchery* no. 2 79-101 '62.
- PERM PROVINCE—CRIME AND CRIMINALS**  
New struggle against loafers. A. Sizhin. *Sots. zakon* 38 no. 7-72 Ji '61.
- PERM PROVINCE—KARST**  
History of the study of karst and caves in Perm Province after the October Revolution (1917-1955). K. A. Gorbunova. *Peshchery* no. 2 79-101 '62.
- PERM PROVINCE—LIMING OF SOILS**  
Large reserves. S. Popova. *Inform. biul. VDNKh* no. 12-27-29 D '66.
- PERM PROVINCE—PETROLEUM PRODUCTION—ACCOUNTING**  
Practice of daily cost calculation in fields of Oil Field Administration of "Yasnokonskoye". I. Khudzhinskii, L. Byandin. *Neftianik* 11 no. 10 18-19 O '66.
- PERM PROVINCE—PETROLEUM PRODUCTS—ANALYSIS**  
Physicochemical characteristics of naphthenic acids from Perm oils. N. S. Kozlov, L. I. Pimegna, L. M. Starkova. *Uch. zap. Perm. ped. inst.* 32 62-68 '65.
- PERM PROVINCE—PETROLEUM REFINING**  
Using opoka from Kur'ya in final purification of lubricants. T. M. Nikolaeva and others. *Nefteprom i neftekhim.* no. 12-15-17 '66.
- PERM PROVINCE—ROCKS, SILICEOUS**  
Using opoka from Kur'ya in final purification of lubricants. T. M. Nikolaeva and others. *Nefteprom i neftekhim.* no. 12-15-17 '66.
- PERM PROVINCE—WAGES—RETAIL TRADE**  
Material incentives and the quality of service. M. Lerner. *Sov. torg* 10 no. 2-13-15 F '67.
- PERMALLOYS, EFFECT OF RADIATION ON**  
Large magnetization discontinuities in irradiated molybdenum permalloy films. B. V. Vasil'ev, A. P. Gorelov. *Pis'ma v red. Zhur. eksper. i teoret. fiz.* 4 no. 10-413-416 N '66.
- PERMANENT ORGANIZATION FOR AFRO-ASIAN SOLIDARITY**  
Vanguard of the "third world". D. Vol'skii. *Nov. vrem.* 25 no. 9-4-5 F '67.
- (see also subdivision under Murmansk Province)
- Chemical formulas of perovskites. V. A. Frank-Kamenetskii, I. Veseleskii. *Geokhimiia* no. 11-1035-1036 '61.
- PEROXIDASES**  
Effect of Chukchuryud hydrogen sulfide baths on the catalase and peroxidase activity of the blood in polyarthritis. A. Z. Babaev and others. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 6-150-182 '62.
- Effect of climate in the Chukchuryud and Dzhangli Health Resorts on the catalase and peroxidase activity of the blood. Sh. M. Gasanov, A. Z. Babaev, I. L. Kravets. *Sbor. trud. Azerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 6 32-40 '62.
- PEROXIDES**  
Chemism of interaction of peroxide radical with manganesecarboxylate. V. M. Gol'dberg, L. K. Obukhova. *Izv. AN SSSR, Ser. khim.* no. 12-2217-2218 '66.
- Determination of rate constants of reactions of ferrocene and its derivatives with peroxide radicals. L. M. Postnikov, E. M. Tochina, V. I. Shchapinokh. *Dokl. AN SSSR* 172 no. 3-651-654 Ja '67.
- PEROXIDES—SPECTRA**  
Photolytic decomposition of diacyl peroxides studied by means of electron paramagnetic resonance. S. S. Ivanchev and others. *Dokl. AN SSSR* 171 no. 4-894-897 D '66.
- PERSIA** see Iran
- PERSIAN COINS** see Coins, Persian
- PERSIMMON**  
Nizharadze, A. I. [Atlas of varieties of the subtropical persimmon] *Atlas sov. iuzn. subtropicheskoi khurmy*. [Tbilisi, Sabchota sakartvelo, 1965] 80 p. [In Georgian and Russian] (CU)
- PERSONALITY**  
The concept of "social environment" and its role in the development of personality. G. I. Diacheva. *Uch. zap. Sver. gos. ped. inst.* no. 35-3-17 '66.
- A concerted aesthetic and physical development is an indispensable factor in the formation of personality. V. V. Kuchanov, A. P. Trifolov. *Uch. zap. Sver. gos. ped. inst.* no. 35-90-105 '66.
- Some psychological characteristics of the development of convicts. A. K. Petrov. *Uch. zap. Sver. gos. ped. inst.* no. 35-38-62 '66.
- PERSONALITY AND CULTURE**  
Sokhan, L. V. [Spiritual development of personality and communism] *Dukhovnyi progress lichnosti i kommunizm*. Kiev, Naukova dumka, 1968. 260 p.
- PERSONNEL MANAGEMENT**  
This annoys the employees of the personnel section. A. Rodin. *Parl. zhurn.* no. 4-69-70 F '67.
- PETHITE CRYSTALS** see subdivision under Tainyr Peninsula
- PESCHANYI ISLAND OIL FIELD—OIL WELL DRILLING**  
Regularity of spontaneous well deviation with small dip angles of layers in water area of Peschany Island. A. S. Sadikov. *Izv. vys. ucheb. zav. neft' i gaz* 9 no. 8: 23-26 '66.
- PESTICIDES**  
(see also subdivision under Germany, West)
- Applying pesticides to granulated superphosphates. I. Kolokol'tsev. *Zashch. rast.* 12 no. 1-29 '67.
- List of pesticides and their synonyms. P. Korolev. *Zashch. rast.* 12 no. 1-37-39 '67.
- Poisonous chemicals in mixture with fertilizers. S. Ravkin, L. Trifolova. *Zashch. rast.* 12 no. 1 50 '67.
- PESTICIDES—CONGRESSES**  
International symposium on pesticides. N. N. Mel'nikov. *Khim. v sel. khoz.* 5 no. 1-78-80 Ja '67.
- PESTICIDES—ECONOMIC ASPECTS** see subdivision under United States
- PETRASHNEVSKII GROUP**  
[Petrashnevskii poeta]. Poety-petrashnevskiy. *Vstup. stat'ia* V. V. Zhdanova. Moskva, Sov. pisatel', 1968. 380 p. (Biblioteka poeta, Malaya seriya, izd. 3.)
- PETROCHEMICAL INDUSTRY** see subdivision under Grozny
- PETROCHEMICAL INDUSTRY—FINANCE** see subdivision under Moscow
- PETROCHEMICAL PLANTS—DESIGN AND CONSTRUCTION**  
(see also subdivision under Omsk)
- Accelerated construction of outdoor petrochemical installations. L. Taran. *Na stroi. Ros.* 5 no. 3-6-7 Mr '64.
- Indisputable advantages. B. Sorylnikov, A. Uvarov. *Na stroi. Ros.* 5 no. 3-22-23 Mr '65.
- PETROCHEMICAL PLANTS—SAFETY MEASURES**  
Operation of tanks in winter. B. T. Gulak. *Bezop. truda v prom.* 11 no. 1-29-30 Ja '67.
- PETROCHEMISTRY**  
Rauskhin, I. A. M. [Petrochemical synthesis in industry] *Neftekhimicheski sintez v promyshlennosti*. Moskva, Nauka, 1969. 389 p.
- Plato, A. F. [Petrochemistry] *Neftekhimia*. Moskva, Znaniye, 1967. 79 p. (Narodnyi universitet; Estestvennonauchnyi fakul'tet, 3)
- PETROGRAPHIC MICROSCOPE**  
Method of X-rayed balls for determining crystallographic orientation of individuals in aggregate. B. V. Chesnokov. *Min. sbor.* 20 no. 4-588-571 '66.
- PETROLEUM**  
(see also subdivision under Azerbaijan; Buryatia; Oil Field; Kamenny Log Oil Field)
- Lenin's documents on petroleum. *Neftianik* 11 no. 9-21-25 S '66.
- Treatment of oils prior to refining (2nd article). V. I. Masumian, A. A. Nadzhatova, M. K. Danilina. *Sbor. trud. Az. NII NP* no. 3 5-17 '68.
- PETROLEUM—ANALYSIS**  
(see also subdivision under Azerbaijan; Dnepropetrovsk; Donetsk; Lowland; Kobaylan, Mukhan, Armenia)
- Determining paraffin content in petroleum and petroleum products. N. I. Demichev, V. I. Mikhalevich. *Neft' i gaz. prom.* no. 6-38-39 N-D '66.
- Distribution of nitrogen compounds in fractions of Buzovna oil and in oils of the Neftyanoye Kamni field. G. A. Ashumov, R. Kh. Meftaheldinova. *Sbor. trud. Az. NII NP* no. 3 45-50 '68.
- Solubility of sulfur in various petroleum fractions. A. Kh. Amirkhanov. *Izv. vys. ucheb. zav. Khim. i khim. tekhn.* 9 no. 5-843-844 '66.
- PETROLEUM—STORAGE**  
(see also subdivision under Mukhanovo Oil Field)
- Economic-mathematical model of optimum concentration and opening of oil shuttling tank farms. G. V. Shchegolev. *Neft. khoz.* 41 no. 10-58-61 O '66.
- Preparations of economic reform in transportation and storage system of petroleum and petroleum products. V. B. Savitskii. *Transp. i khran. nefti i nefteprod.* no. 11 35-38 '66.
- Research Institute of Petroleum Transportation is represented at the Exhibition of Achievements of Soviet National Economy. M. M. Tunkova. *Transp. i khran. nefti i nefteprod.* no. 11-41 '66.
- Using network schedule graph methods of planning and controlling construction of installations of petroleum supply industry. V. B. Savitskii, L. V. Pavlova. *Izv. vys. ucheb. zav.; neft' i gaz* 9 no. 8-105-109 '66.
- PETROLEUM—THERMAL PROPERTIES** see subdivision under Ozek-Shut Oil Field
- PETROLEUM—TRANSPORTATION**  
Estimating economic indices in transportation of petroleum. G. Sh. Kudolayev, F. G. Mamurina. *Transp. i khran. nefti i nefteprod.* no. 11 30-32 '66.
- Kutyrlin, V. A., V. I. Gorolkin, and V. S. Tsvetkov. [Loading and unloading pump units of river oil ports and tankers, textbook for students in courses for raising the qualifications of the engineering and technical workers of the Ministry of the River Fleet] *Gruzovye nasosnye ustanovki i uchebnykh molodshchikov i tankerov, uchebnoe posobie dlia shkol'nikov kuznitsy povysheniia kvalifikatsii inzhenerno-tekhnicheskikh rabotnikov MRF*. [Gor'ki] Volgo-Volzhskoe knizhnoe izd-vo, 1968. 58 p.
- Preparations of economic reform in transportation and storage system of petroleum and petroleum products. V. B. Savitskii. *Transp. i khran. nefti i nefteprod.* no. 11 35-38 '66.
- Research Institute of Petroleum Transportation is represented at the Exhibition of Achievements of Soviet National Economy. M. M. Tunkova. *Transp. i khran. nefti i nefteprod.* no. 11-41 '66.
- Using network schedule graph methods of planning and controlling construction of installations of petroleum supply industry. V. B. Savitskii, L. V. Pavlova. *Izv. vys. ucheb. zav.; neft' i gaz* 9 no. 8-105-109 '66.
- PETROLEUM, HEATING OF**  
Thermal treatment of petroleum as a factor in increasing efficiency of petroleum pipelines. P. V. Mikhailov and others. *Neft. khoz.* 45 no. 1-62-66 Ja '67.
- PETROLEUM, SYNTHETIC**  
Rapid method of controlling the process of oxidation of synthetic to alcohols. B. P. Kotelnikov, Z. A. Abramova, N. T. Gerasimova. *Trudy NII SZHIM* no. 2, 83-85 '61.
- Spectrophotometric determination of relative content of primary and secondary higher aliphatic alcohols in their mixture obtained by oxidation of synthene. B. P. Kotelnikov and others. *Trudy NII SZHIM* no. 2 80-92 '61.
- PETROLEUM AS FUEL**  
(see also subdivision under Neftyanoye Kamni)
- Effective burning of gaseous and liquid fuels in tubular heaters equipped with carbonium chambers. I. S. Shevtsov, D. K. Safaraliev, E. M. Shetshelmadze. *Sbor. trud. Az. NII NP* no. 3 455-461 '68.
- PETROLEUM COKE**  
Increasing coke yield by oxidation of hydraulic tar. F. I. Gurevich and others. *Nefteprom i neftekhim.* no. 3 23-28 '66.
- Studying petroleum coke obtained by retarded coking of asphalt. A. M. Pavlovskii and others. *Nefteprom i neftekhim.* no. 12-20-28 '66.

## PETROLEUM ENGINEERING

Approximate solution of the equation describing the motion of a homogeneous compressible liquid in an inhomogeneous elastic medium (I. S. Khabibov, Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk, no. 5:107-117, 1962).

## PETROLEUM GEOLOGY

(See also subdivision under Apsheron Peninsula; Archangel Oil Field, Arzamasovo region, Tatar A.S.S.R.; Borislav Oil Field; Carpathian Mountain region; Caucasus, Northern; Dnieper-Donets Lowland; Izmaylov Oil Field; Kumdat region, Turkmenistan; Kura Lowland; Kuybyshev Province; Latvia; Mangyshlak Peninsula, Soviet Central Asia; Tuymazy region, Bashkiria; Udmurt A.S.S.R.; Ukraine; Zaimukal Oil Field)

Additional ways of expanding oil and gas prospecting. G. A. Mogilevskii. Ruzved. i tekhn. nedr. 26 no. 8:46-47, Ag '60.

Evaluating informativeness of geophysical parameters in detecting oil-bearing layers with help of self-teaching programs. Sh. A. Guberman, M. L. Irvokova, V. Turek. Izv. AN SSSR fiz. i khim. no. 12:37-44, 1960. From record to record. A. Smirnov. Neftianik II no. 8:4-5, Ag '60.

Methods of determining categories of oil reserves in pools with clay underlain by water. Z. G. Borisenko, M. N. Sezen, A. G. Il'kov. Geol. neft i gaz 10 no. 12:28-30 D '60.

Methods of prospecting for gas pools with oil rings. V. P. Savchenko, M. A. Zykina. Geol. neft i gaz 10 no. 12:7-8 D '60.

Issues between development level of petroleum production industry and raw material resources. M. M. Brenner. Geol. neft i gaz 10 no. 12:45-51 D '60.

Veber, V. V. [Factors of deposits favorable for formation of petroleum] Fatsil olozhenii, blagopriyatnye dlia obrazovaniia nefti. Moskva, Nedra, 1966. 272 p. (Moscow, Vsesoyuznyi nauchno-issledovatel'skii geologorazvedochnyi neftianii institut, Trudy, no. 56)

## PETROLEUM GEOLOGY—MODELS

Experimental unit for studying petroleum migration in gas phase at pressure up to 1200 kg/cm<sup>2</sup> and temperature up to 130°C. T. P. Safonova, T. P. Zhurav, R. A. Il'gov. Mash i neft. obrab. no. 12:5-9, 1960.

## PETROLEUM IN SUBMERGED LANDS

Look for oil in ocean bottom. A. Chernov. Neftianik II no. 8:35-37, Ag '60.

## PETROLEUM INDUSTRY

(See also subdivision under Azerbaijan; Iraq; Siberia, Western; Turkmenistan)

All-Union day of workers employed in petroleum and gas industry. B. B. Gal'perin. Neftianik II no. 8:1-3, 5, 1960.

Centennial of scientific and technical societies. N. V. Jakubova, I. L. Cherniak. Neft khoz. 44 no. 11:60-63 N '60.

Lessons of the ill-fated embargo. B. Rachkov. Vresh. toz. 40 no. 12:50-51, 1960.

Let us mark our holiday with new work successes. Neftianik II no. 8:1, Ag '60.

Vacations and length of service. V. Kivrotov. Neftianik II no. 8:14, Ag '60.

## PETROLEUM INDUSTRY—FINANCE

(See also subdivision under Turkmenistan)

Elchehenko, V. L. [Working capital of geological prospecting enterprises and ways to accelerate its turnover] Obshchestvenno sredstva geologoproslovnykh predpriiati i puti uскорeniia ikh oborachivaniia. Ufa, Bashkirskoe knizhnoe izd-vo, 1961. 80 p.

## PETROLEUM INDUSTRY—FIRES AND FIRE PREVENTION

[Collection of fire-prevention specifications for designing industrial enterprises and populated places] Sbornik protivopozharnykh norm stroitelnogo proektirovaniia promyshlennyykh predpriiati i naselennykh mest. Moskva, Stroizdat. Pt. 3. 1965. 392 p.

## PETROLEUM INDUSTRY—HYGIENIC ASPECTS

Skills hygiene when working with petroleum and its products. M. Bugnova, V. Luk'innov. Neftianik II no. 8:38-39 S '60.

## PETROLEUM INDUSTRY—SAFETY MEASURES

Protecting workers' labor is a vital concern of trade unions. V. Alekseev. Neftianik II no. 8:16-19, Ag '60.

## PETROLEUM PIPELINES

(See also subdivision under Siberia; Ural Mountain region)

Autonomous pneumatic system of pressure stabilization in petroleum pipelines operating "from pump to pump." P. A. Moroz. Transp. i khran. nefti i nefteprod. no. 11:8-11, 1960.

Economic efficiency of consecutive pipelining of automobile gasoline and diesel fuel in order to increase small pipeline loads. M. M. Mel'nik. Neft. khoz. 44 no. 12:53-56 D '60.

Patriotic initiative of Ural-Siberian petroleum pipelines approved. Neftianik II no. 8:1-4 S '60.

Study of paraffin and resin deposits in "Druzhba" petroleum pipeline. O. I. A. Kaganov. Neft. khoz. 44 no. 11:57-59 N '60.

Thermal treatment of petroleum as a factor in increasing efficiency of petroleum pipelines. P. V. Mikhail'ov and others. Neft. khoz. 45 no. 1:62-66, Ja '67.

Using polyethylene sealing collars of rods in petroleum pipeline control valves. M. D. Sokol. Neft. khoz. 44 no. 12:56-57 D '60.

## PETROLEUM PIPELINES—COSTS

Use metal economically in pipeline construction and maintenance in U.S.S.R., as a topic for discussion. P. I. A. Baidar. Neft. khoz. 44 no. 11:55-57 N '60.

## PETROLEUM PIPELINES—ELECTRONIC EQUIPMENT

FKP-13-type electronic apparatus for controlling consecutive piping of petroleum products. A. M. Aleksandrov and others. Transp. i khran. nefti i nefteprod. no. 11:7-7 '60.

## PETROLEUM PIPELINES—MAINTENANCE AND REPAIR

Expenditure norms for materials used in maintenance and exploitation of pipeline transportation. A. P. Martynov, I. U. Kh. Mukaeov. Transp. i khran. nefti i nefteprod. no. 11:11-13 '60.

## PETROLEUM PRODUCTION

(See also subdivision under Ararat Island Oil Field; Averbajlan; Bashkiria; Bavy Oil Field; Borislav Oil Field; Carpathian Mountain region, Chechen-Ingush A.S.S.R.; Duvanny-Moro Oil Field; Gryazevaya Sopka Oil Field; Komi A.S.S.R.; Mangyshlak Peninsula; Sangachaly-Moro Oil Field; Ukraine; Voznesenska Oil Field)

Advanced collectives; results of socialist competition for the second quarter of the year. A. Smirnov. Neftianik II no. 10:1-5 O '60.

Depletion of inclined oil beds with dissolved gas drive. S. A. Kundin and others. Azerb. neft. khoz. 45 no. 11:35-36 N '60.

Economic efficiency of cutting and drilling second shafts in fields of Oil Field production named after "26 Baku commissars." M. A. Salimov, A. G. Pavlov, T. M. Guseinov. Azerb. neft. khoz. 45 no. 11:47-48 N '60.

Effect of flow speed on phase changes in well. L. M. Murav'ov, G. Z. Ibragimov. Izv. vyz. ucheb. zav.; neft' i gaz 10 no. 8:31-35 '60.

Expenses in plotting maps of reduced reservoirs and determining reduced weighted average reservoir pressure. R. V. Mis'ovich. Neft. i gaz. prom. no. 5:32-35 S-O '60.

From record to record. A. Smirnov. Neftianik II no. 8:4-5, Ag '60.

Industrial instruction is an effective means for learning, consolidating and introducing progressive experience. E. Bondareva. Neftianik II no. 8:17-18, Ag '60.

Methods of distributing yields in separate exploitation of two layers in one well. G. S. Orudzhova, I. U. Prok. V. F. Troitskii. Neft. khoz. 45 no. 1:52-55, Ja '67.

Performance of gas in flowing and pumping wells. G. Z. Ibragimov. Neft. khoz. 44 no. 11:52-54 N '60.

Period between repairs of sand producers. D. I. Samail-zade and others. Azerb. neft. khoz. 45 no. 11:33-35 N '60.

Petroleum production industry on the eve of the 49th anniversary of the Great October Socialist Revolution. Neft. khoz. 44 no. 11:1-5 N '60.

Issues between development level of petroleum production industry and raw material resources. M. M. Brenner. Geol. neft i gaz 10 no. 12:46-51 D '60.

Results of petroleum production industry for 1966 and its objectives for 1967. V. D. Shaikhin. Neft. khoz. 45 no. 1:1-6, Ja '67.

Selection of information parameters of measuring devices. V. P. Fadenov. Mash. i tekhn. obrab. no. 12:23-25 '60.

Using radiotelemetric systems in central control of oil field industrial installations. R. M. Razu. Neft. khoz. 44 no. 10:37-39 O '60.

World production of oil in 1965. V. Ivanov. Neftianik II no. 10:39-38 O '60.

## PETROLEUM PRODUCTION—ACCOUNTING

(See also subdivision under Perm Province)

Problems of management and internal business accounting, as a topic for discussion. G. E. Khann. Neft. khoz. 44 no. 11:6-9 N '60.

## PETROLEUM PRODUCTION—COSTS

(See also subdivision under Bashkiria, Caucasus, Northern)

An addition to methodology of planning oil field equipment. S. G. Markarov. Neft. khoz. 44 no. 11:9-11 N '60.

Economic method for estimating effectiveness of development of oil fields. I. V. Korshunov, T. V. Komarova. Neft. khoz. 44 no. 12:3-6 D '60.

## PETROLEUM PRODUCTION, THERMAL

(See also subdivision under Uzbekistan)

Conference on "Thermal methods of increasing petroleum production, and geothermology of oil fields." L. Tolstov. Neft. khoz. 44 no. 10:70 O '60.

Measuring temperatures during injection of steam into formation. V. A. Bragin, A. R. Garushev, Kh. G. Kurt-saurov. Neft. khoz. 44 no. 10:34-36 O '60.

## PETROLEUM PRODUCTS

Catalytic cracking of heavy distillates as a source of petrochemical gaseous feed. V. S. Aliev, V. S. Gulyaia, Sh. K. Kazimov. Sborn. trud. Az. NII NP, no. 3:282-295, 1958.

Loskov, B. V., ed. [Petroleum products, properties, quality, use, Manual] Nefteprodukty, svoystva, kachestvo, primeneniye. Spravochnik. Moskva, Khimika, 1966. 776 p.

Thermocontact pyrolysis of petroleum stock in combined system consisting of reactors of rising flow and fluidized bed. B. V. Erofeev, I. U. G. Egarov. Neft. i neftekhim. no. 8:29-31 '60.

## PETROLEUM PRODUCTS—ANALYSIS

(See also subdivision under Perm Province)

Determining paraffin content in petroleum and petroleum products. N. I. Demianchik, V. I. Mikhalevich. Neft. i gaz. prom. no. 6:38-39 N-D '60.

## PETROLEUM PRODUCTS—STORAGE

Activity of inventors and efficiency promoters on tank farms of Main Administration for the Supply and Marketing of Oil and Oil Products of Ukrainian S.S.R. during the seven-year plan. V. I. A. Maevskii, M. I. Marder. Neft. i gaz. prom. no. 6:49 N-D '60.

Economic efficiency of flow diagrams of underground petroleum products reservoirs in salt formations. F. M. Sirazetdinov, G. Sh. Kudolarov. Transp. i khran. nefti i nefteprod. no. 11:32-35 '60.

Exploitation of underground reservoirs of petroleum products, built in salt deposits. I. U. G. Isupov, N. N. Khozev, V. A. Abukumov. Neft. khoz. 44 no. 10:61-64 O '60.

Intensification of process of scouring salt deposits for petroleum products and liquefied gas reservoirs. N. K. Sidorova. Neft. i gaz. prom. no. 6:42-44 N-D '60.

Mobile MP-1 electric oil pump. L. S. Ustinov, E. D. Morchadze. Transp. i khran. nefti i nefteprod. no. 11:39-40 '60.

## PETROLEUM REFINERIES

First rectification columns in refineries. K. V. Kostin. Izv. vyz. ucheb. zav.; neft' i gaz 9 no. 8:115-118 '60.

## PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

(See also subdivision under Moscow, Ryzan; Yaroslavl)

Protect efficiently outdoor installations. V. Rygalov, V. Sobolov. Na stroi Ros. 5 no. 3:14-15, Mi '64.

Selecting optimal means of mechanizing assembly of high-rise structures for petroleum refineries. V. D. Taran, K. K. Kotov. Prom. stroi. 44 no. 12:2-5 '60.

We are investigating new possibilities. B. Karpov. Na stroi Ros. 5 no. 3:21-22, Mr '64.

## PETROLEUM REFINERIES—EQUIPMENT AND SUPPLIES

Ivanets, K. I. A., and A. N. Leibo. [Equipment of petroleum refineries and its exploitation] Oboznaneniye neftepererabatyvalushchikh zavodov i ego ekspluatatsiia. Moskva, Khimika, 1966. 341 p.

## PETROLEUM REFINERIES—FINANCE

(See also subdivision under Moscow)

## PETROLEUM REFINERIES—MANAGEMENT

(See also subdivision under Perm)

## PETROLEUM REFINERIES—SAFETY MEASURES

Ginzburg, M. B. [Safety engineering in petroleum refineries] Tekhnika bezopasnosti na neftepererabatyvalushchikh zavodakh. Baku, Azerbaidzhanskoe gos. izd-vo, 1962. 110 p.

[MICROFILM]

## PETROLEUM REFINING

(See also subdivision under Bashkiria; Caucasus; Gruzia; Moldavia; Mukharovo Oil Field; Perm Province; Romashkino Oil Field, White Russia)

Compounding of petroleum products as a method for increasing economic efficiency of performance of petroleum refineries. G. Z. Ibragimov and others. Neft. i neftekhim. no. 8:3-6 '60.

Losses of petroleum products in gas fractionating units. R. M. Mavlitov, D. N. Bolchuk. Neft. i neftekhim. no. 12:4-7 '60.

Noncloth filters for purifying white petroleum products. K. V. Rybakov. Transp. i khran. nefti i nefteprod. no. 11:25-28 '60.

Reducing gas losses in petroleum refining. S. G. Marshalkovich. Neft. i neftekhim. no. 12:43-45 '60.

Study of thermal decomposition process of various light oil fractions. M. M. Ramazanov, D. A. Aliev. Azerb. neft. khoz. 45 no. 11:40-42 N '65.



## PETROLEUM REFINING—DEASPHALTING

Adsorption refining of deasphalted products of Kamennyi Log petroleum. I. M. Nikol'skaya, A. D. Mikolov, Neftyanik 11 no. 10 5-7 '66

## PETROLEUM REFINING—DESALTING

Redesigning of existing electric desalting units for desalting sour petroleum. N. A. Bolvin, I. K. Maksimets, Neftyanik 11 no. 12 3-1 '66

## PETROLEUM REFINING—EQUIPMENT AND SUPPLIES

Metal content in petroleum preparation plants. I. I. Rybachok, Naft khoz 14 no. 12 49-52 D '66

## PETROLEUM REFINING—LABOR PRODUCTIVITY

Effect of specialists' qualifications on labor productivity in petroleum refining industry, as exemplified by two large enterprises. R. C. Matushchanko, Izv. vuz. ucheb. zav., naft. i gaz 9 no. 8 101-101 '66

## PETROLEUM REFINING—TECHNOLOGICAL INNOVATIONS

Andrianov, V. M., and V. A. Bugrov. [Economics of petroleum refining and technological progress] Ekonomika neftepererabotki i tekhnicheskii progress, Ufa, Bashkirskoe knizhnoe izd-vo, 1962, 173 p.

## PETROLEUM RESEARCH see subdivision under

Bashkiriya

## PETROLEUM WORKERS

(see also subdivision under Azerbaijan; Dnieper region; Bashkiria; Chechen-Ingush A.S.S.R.)

Honorary titles and honorary certificates to petroleum workers. B. Zhaleko, Neftyanik 11 no. 8 10, 30 Ag '66

Regulations concerning interrupted "workers' service" L. Ruznits, Neftyanik 11 no. 9 32-33 S '66

## PETROLEUM WORKERS—EDUCATION AND TRAINING

Industrial instruction is an effective means for learning, consolidating and introducing progressive experience. E. Bondarova, Neftyanik 11 no. 8 17-18 Ag '66

## PETROLOGY

(see also subdivision under Aldan Plateau, Dnieper-Dnests Lowland; Sayan Mountains, Transbaikalia; Vestfold Hills, Antarctica, West Siberian Plain)

Akademika nauk SSSR, Dal'nevostochnyi filial, Dal'nevostochnyi geologicheskii institut [Problems of the petrology of metamorphic and igneous rocks] Voprosy petrologii metamorficheskikh i magmaticheskikh porod. Vladivostok, 1965, 64 p.

Characteristics of the petrography of ore deposit areas. A. I. A. Bulynnikov, Trudy TGU 154, 86-95 '63

Effect of postmineral processes on the content of accessory minerals in granulites. V. V. Iakharovich, V. I. Nemesnikova, Trudy INGRES 4 no. 110-130 '60

[Grenyakh-Vyrmes Massif in the Kola Peninsula] Masivy Grenyakh-Vyrmes na Kolskom polostrove, [By] A. A. Polkanov i dr., Moskva, Nauka, 1967, 235 p.

Magnetic properties and composition of sedimentary deposits in equatorial Atlantic. I. S. Lebedev and others, Geofiz. sbor., no. 17 3-31 '66

Study of microstructural and microtextural characteristics of clay and loess rocks using electron microscope. G. G. Ushakov, Vest Mosk. un. Ser. I Geol. 21 no. 6 87-92 N-D '66

## PETROLOGY—CONGRESSES

Fourth All-Union Conference on Lithology. N. M. Bolanov, Geol. zhur., 19 no. 6 120-121 '69

Role of accessory minerals in solution of problems of petrology and metallogeny of igneous rock complexes. O. I. Matkovskii, Mun. sbor. 20 no. 1 135-139 '66

## PETROV, FEDOR NIKOLAEVICH, 1876-

Beginning of the road. L. P. Pichuk, Sem'ia i shkola 21 no. 7 2-5 Ji '65

With weapons and boots. Z. Dvornik, Knizh. toig. 10 no. 1 9-10 Ja '67

## PETROV, NIKOLAI NIKOLAEVICH, 1870-

Nikolai Nikolaevich Petrov; on the 90th anniversary of his birth. A. I. Serebrov, Vop. onk., no. 3 112-111 '67

## PHACIDIUM

Chemical control of snow blights in cuifers and nurseries. V. G. Iakovlev, Sbor. nauch. issl. rab. po les. khoz., no. 6 345-353 '63

## PHAGOCYTOSE

Phagocytosis in carp following bacterial infection. G. D. Goncharov, Trudy Inst. biol. vnutr. vod., no. 10 331-337 '68

## PHARMACEUTICAL RESEARCH

Basic trends in the search for antitumor therapeutic agents. V. A. Chernov, T. S. Safonova, Probl. gemat. i perel. krov. 10 no. 12 3-13 D '65

## PHARMACEUTICAL SOCIETIES see subdivision under

Khmel'ntskiy; Vinnitsa

## PHARMACISTS

(see also subdivision under Cherkassy Province, Ukraine)

Living and working according to the legacies. K. S. Alekseeva, Farmatsy zhur. 18 no. 3 77 '63

## PHARMACOLOGY

Combined drug therapy in hypertension. I. Kh. Adyrbayev, Sbor. nauch. trud SOGM 10 no. 172-176 '61

New medicinal preparations. Farmatsy zhur. 18 no. 3 85-87 '63

Sul. Virve. [What we must know about medicines] Mida posib tondma ravimistest, Tallinn, Valgus, 1966, 41 p. (Tendus ja tervis) [In Estonian] (DNLM)

## PHARMACY

(see also subdivision under Rovno Province; Ukraine)

Brief news and information. Farmatsy zhur., 17 no. 2 90-92 '62

Lipid acid sugars and their use in pharmaceutical practice. F. A. Zhishko, V. P. Musiatov, Farmatsy zhur. 18 no. 3 22-27 '63

Lectures for physicians. F. S. Alekseeva, Farmatsy zhur., 17 no. 2 80-81 '62

One-day inventory in a pharmacy. V. T. Karast, Farmatsy zhur., 17 no. 2 79-80 '62

Organization of work in hospital pharmacies. P. H. Fokin, Farmatsy zhur., 17 no. 2 73-76 '62

Some improvements. M. O. Domykh, Farmatsy zhur., 17 no. 2 76-77 '62

Tasks in the fourth year of the seven-year plan. Farmatsy zhur., 17 no. 2 3-6 '62

Use of plastics in pharmacy. H. A. Vaisman and others, Farmatsy zhur., 17 no. 2 13-10 '62

Work of the pharmacy collective. IT. M. Profetova, Farmatsy zhur., 17 no. 2 77-78 '62

## PHARMACY—CONGRESSES see subdivision under

Ukraine

## PHARMACY—DICTIONARIES

"Encyclopedic dictionary for the pharmacist" II. A. Vaisman, TS I Shakh and T. V. Zinchenko, Farmatsy zhur., 17 no. 2 93-95 '62

## PHARMACY—EQUIPMENT AND SUPPLIES

(see also subdivision under Poltava Province)

Floating valve for automatic regulation of the level of distilled water in a tube. M. M. Lempol'skaya, Farmatsy zhur., 18 no. 3 71 '63

## PHARYNX

Cytomorphological characteristics of pharyngeal mucous membrane in practically healthy persons and in gastroenteritis patients. I. I. Kal'sheina, A. I. Shechenikova, Izv. Otd. biol. nauk AN Tadzh. SSR, no. 4 100-107 '66

## PHARYNX—SURGERY

Total intestinal esophagoplasty in electrical stenosis of the esophagus and pharynx. B. A. Petrov, A. P. Sytnik, Khirurgiya 38 no. 11 14-10 N '62

## PHASE DIAGRAMS

Metallic phase of carbon. M. N. Pavlovskii, V. P. Diakin, Fiz. vied. Zhur. eksp. i teoret. fiz., 4 no. 6 169-172 S '66

## PHASE RULE AND EQUILIBRIUM

Applying the law of mass action to metallurgical reactions with participation of solid and gaseous phases. P. S. Vorontsov, Izv. AN SSSR Met. no. 1 92-96 Ja-F '67

Change of multicomponent structure in nickel steels during aging. G. V. Kudumov, L. K. Makinikov, Fiz. met. i metalloved. 22 no. 6 941-943 D '66

Chemical phase analysis of alloys in the system  $ZrO_2 - ZrC$  and  $ZrO_2 - TiC$ . F. F. Kotliar, T. I. A. Korolova, T. N. Nazarchuk, Izv. AN SSSR Met. no. 1 201-204 Ja-F '67

[Constitutional diagrams of metal systems, published in 1964] Diagrammy sostoiianii metallicheskh sistem, opublikovannye v 1964 godu. [By] S. P. Alisova, P. D. Budberg, Moskva, Proizvodstvenno-Izdatelskii kombinat VINITI.

No. 10, Pod red. N. V. Ageeva, 1966, 239 p. Constitutional diagrams of systems Th - Pr and Th - Nd. T. A. Badaya, R. I. Kuznetsova, Izv. AN SSSR Met. no. 1 175-181 Ja-F '67

Dependence of saturation magnetization and electric resistance of nickel-zinc-cobalt ferrites with an induced rectangular hysteresis loop on phase constitution. A. D. Sokolov, M. N. Fedorova, Fiz. met. i metalloved. 22 no. 4 631-632 O '66

Effect of nickel additions on the phase constitution of iron-beryllium alloys. I. A. S. Uman'skii, I. G. Shevkun, Izv. AN SSSR, Met. no. 1 115-146 Ja-F '67

Effect of polymorphic transformations on structure of titanium. L. N. Larikov, V. M. Palchenko, Dop. AN URSSR, no. 12 1502-1503 '66

Effect of thermocyclic treatment on properties and structure of alloys containing phases with various coefficients of linear expansion. M. L. Khoshin and others, Fiz. met. i metalloved. 22 no. 6 896-903 D '66

Equilibrium liquid-vapor in the system water - acetone at 200 mm Hg pressure. R. P. Kusanova, S. Sh. Ryk, Zhur. prikl. khim. 31 no. 6 1373-1376 Ja '61

Martensite transformation of medium and high alloy tool steel. G. A. Odintsov, Izv. vuz. ucheb. zav., khim. met. 10 no. 1 111-137 '67

Phase equilibria of system N-methylpyrrolidone - carbon dioxide at elevated pressures. I. U. A. Demchikova, I. P. Usiukhin, V. M. Shemilov, Neftyanik 11 no. 10 123-123 '66

Phase equilibrium and mechanism of reduction of solid solutions of the spinel type in the system Mg - Al - Cr - Fe - O. I. U. A. Kuznetsov, V. I. Babinov, G. I. Chufarov, Izv. AN SSSR, Met. no. 1 87-91 Ja '67

Phase transition of the localization-delocalization type in the adsorption layer. I. P. Kung, S. Z. Mamonov, V. V. Serebrenik, Dokl. AN SSSR 172 no. 3 625-626 Ja '67

Studying formation of Widmanstätten structure in iron. M. A. Gusevskaya, I. P. Gulluyev, Izv. AN SSSR, Met. no. 1 119-115 Ja-F '67

Studying the microrelief of steel with a Widmanstätten structure. R. A. Leontiev and others, Izv. AN SSSR, Met. no. 1 116-121 Ja-F '67

T-P-C equilibrium diagram of the nickel - carbon system. F. G. Ponomarevskii, I. L. Aptekar', I. P. Lebedev, Dokl. AN SSSR 171 no. 1 919-922 D '66

## PHENACITE see subdivision under Soviet Central Asia

## PHENANTHRENE

Protective action of phenanthrene and mercaptan on the development of the nodular papillae of the eye in a child embryo following X-ray irradiation. V. I. Pukhov, Radiobiologiya 2 no. 1 611-615 '62

## PHENAZINE

Cyanine dyes from imidazophenazines and their absorption spectra. I. U. S. Rozum, V. A. Glushko, Ukr. khim. zhur., 32 no. 11 1200-1205 '66

## PHENOL CONDENSATION PRODUCTS

Polymers based on allyl-substituted phenol-formaldehyde oligomers. M. A. Tashkhozhaeva and others, Priroda massy no. 1 15-21 '67

Rapid method for controlling the synthesis of phenolic resins. M. L. Arkhipov, Iakokran. mat. i khim. prikl. no. 6 65 '66

Reactions of phenol polymers with chloroform. I. V. Gvazditskii, B. Sh. Ugrozhdelidze, N. A. Jikhin, Dokl. Soob. AN Gruz. SSR 41 no. 1 689-705 D '66

Saponification and drying of products of condensation of alkylphenol with formaldehyde in unit of continuous operation. A. M. Kuliev and others, Naftyanik 11 no. 12 30-33 '66

Vulcanization of acrylic rubber with phenol-formaldehyde resins. M. M. Pankhova, N. F. Gordinenko, Kaucuk i rez. 25 no. 12 8-11 '66

## PHENOL CONDENSATION PRODUCTS, EFFECT OF TEMPERATURE ON

Effect of thermal treatment of the melt of phenol-formaldehyde resin on its softening temperature. J. B. Babinov, L. A. Ignatov, Plast. massy no. 1 12-14 '67

## PHENOLOGY see subdivision under Kiyuchl region (Kamchatka)

## PHENOLS

Acylation of 2,6-di-tert-butylphenol. N. V. Pechenkin, A. A. Volodkin, V. V. Frunov, Izv. AN SSSR, Khim. no. 12 2213-2241 '66

Comparison of the reactivity of methylated derivatives of oxalic acid diamides with aldehydes. H. V. Tronov, A. P. Lukanov, V. D. Gulluyev, Trudy TGU 17-22 '66

Complex compounds of group IV metals with dialkylaminomethylphenols, their sulfides and dithiophenol disulfides. A. D. Gairovskii and others, Zhurnal khim. 12 no. 1 150-162 Ja '67

Complex formation of malonic acid diamide with aminophenols. B. V. Tronov, A. P. Lukanov, V. D. Gulluyev, Trudy TGU 18 11-16 '65

Condensation of acetylene with phenol in the presence of the KU-2 cation exchange resin. V. I. Vainov, V. I. Riabov, B. M. Pritskunskii, Zhur. prikl. khim. 31 no. 1 1380-1391 Je '61

Effect of sulfo group in azo coupling reactions of phenols. A. A. Sprynkov, L. N. Goluhkin, Izv. vuz. ucheb. zav., khim. i khim. tekhn. 9 no. 5 755-760 '66

Electric conductivity of the systems of phenols with aldehydes and ketones. Report No. 1. R. M. Kulikova, V. D. Ryzhov, Trudy TGU 18 83-87 '65

Electric conductivity of the systems of phenols with aldehydes and ketones. Report No. 2. R. M. Kulikova, V. D. Ryzhov, B. V. Lianov, Trudy TGU 18 115-124 '65

Evaluation of chlorine and its dioxide for treatment of phenol-contaminated natural water. M. A. Shchegoleva, E. M. Kalinichuk, I. P. Vlasova, Ukr. khim. zhur., 32 no. 11 1235-1238 '66



## PHOSPHOROTHIOIC ACID

Ethylenimides of arylphosphorous and thiophosphoric acids. N. A. Buma, I. A. Nurtdinov, N. P. Grechkin. Izv. AN SSSR Ser. khim. no. 1 217-220 Ja '67.

## PHOSPHOROUS ACID

Reaction of dialkyl phosphites with diacetone alcohol. N. I. Ryzhikovskii, F. S. Mukhametov. Izv. AN SSSR, Ser. khim. no. 1 210-212 Ja '67.

Synthesis of phosphorous acid azetides. N. P. Grechkin, R. N. Khamitov. Izv. AN SSSR Ser. khim. no. 1 182-185 Ja '67.

## PHOSPHORS—SPECTRA

Structure of fundamental absorption bands of mixed KCl:KBr single crystals. V. N. Vyshnevskiy, L. M. Kulyk, M. O. Romanuk. Ukr. fiz. zhur. 11 no. 12 1345-1349 D '66.

## PHOSPHORUS

Reduction of nitrobenzene by yellow phosphorus. N. S. Kozlov, V. A. Soshin. Uch. zap. Perm. ped. inst. 32 77-83 '65.

Reduction of nitrobenzene substituted derivatives by yellow phosphorus. V. Soshin. Uch. zap. Perm. ped. inst. 32 84-86 '65.

## PHOSPHORUS—EFFECT ON PLANTS see Plants, Effect of phosphorus on

## PHOSPHORUS ISOTOPES—THERAPEUTIC USE

Electrophoresis of blood proteins in erythremia following treatment with radioactive phosphorus. N. V. Nikolayeva, B. P. Shvedskii, N. D. Potush. Probl. gemat. i pcel. krovi. 12 no. 1 32-34 Ja '67.

## PHOSPHORUS ISOTOPES IN THE BODY

Metabolism of  $P^{32}$  in tissues and organs in single and multiple administration by inhalation. V. P. Pugachevskii. Med. rad. 11 no. 12 60-62 D '66.

## PHOSPHORUS METABOLISM

Effect of potassium nutrition conditions on the phosphorus metabolism and protein synthesis of plants. M. N. Blazhtun. Vestn. AN BSSR, Ser. sel'sk. hosp. nav. no. 4: 24-29 '66.

Studying the metabolism of phosphorus and calcium in growing poultry. G. V. Filatov. Dokl. TSKHA no. 15: 181-185 '59.

Transformations of phosphorus compounds in germinating and ripening seeds of cotton. M. Kh. Ibrahimov. Nauch. trudy TashGU no. 210 75-81 '62.

## PHOSPHORUS ORGANIC COMPOUNDS see Organo-phosphorus compounds

## PHOSPHORYL CHLORIDE

Mixed esters of tertiary (chloro-substituted) alkylphosphorous acids. V. K. Kharulin, V. N. Eliseenkov. Izv. AN SSSR, Ser. khim. no. 1 94-99 Ja '67.

Radiometric analysis of P (active) Ctg preparations for (active) OCl<sub>3</sub> impurity. V. M. Gorbachev, E. I. Teigova. Radiokhimiya no. 6 710-711 '66.

## PHOSPHORYLATION

Effect of ionizing radiation on oxidative phosphorylation processes in tissue mitochondria. S. I. Mokharava. Vestn. AN BSSR, Ser. biol. nav. no. 1 27-33 '67.

Effect of photophosphorylation inhibitors on the photosynthesis and metabolism of the assimilating cells of Chlorella pyrenoidosa Chick. O. V. Zelenkii, T. A. Glagoleva, M. V. Chulanovskaya. Bot. zhur. 51 no. 12: 1718-1727 D '66.

## PHOTOCHEMISTRY

Changes in electric conductivity in the course of photochemical reactions in solutions of safranin T. I. U. M. Stolyovskii, V. B. Evstignejev. Teoret. i eksper. khim. 2 no. 5 841-843 S-O '66.

Comparative study of photochemical chlorination of ethylchloroform and ethylchloroethane. M. A. Kadina, G. I. A. Zueva, A. G. Kechina. Izv. AN SSSR, Ser. khim. no. 12 2215-2216 '66.

Comparison of photooxidation of bacterioviridin and bacteriochlorophyll in the reaction of photoproducts with reducing agents. A. A. Krasnovskii, E. V. Pakshina, I. M. Sapozhnikova. Dokl. AN SSSR 172 no. 3 727-730 Ja '67.

Formation of free radical states following visible light effect on systems containing chlorophyll. G. T. Rikhlerev and others. Biofizika 11 no. 5 796-804 '66.

Photochemical cross-linking of polyethylene in the presence of some sensitizers. O. O. Kachan, H. V. Chernavskiy, V. O. Shrubovych. Dop. AN URSR no. 10 1312-1314 '66.

Photochemical reactions of cyclopentadienylchloride tetracarboxyl. A. N. Nesmelov and others. Izv. AN SSSR, Ser. khim. no. 12 2231-2233 '66.

Photolytic decomposition of diacyl peroxides studied by means of electron paramagnetic resonance. S. S. Ivanchev and others. Dokl. AN SSSR 171 no. 4 894-897 D '66.

Pulse photolysis of solid organic substances studied by means of electron paramagnetic resonance. A. I. Rivkind, L. I. Medvedev. Dokl. AN SSSR 172 no. 1 137-140 Ja '67.

Role of ionic states in photosensitized two-quantum reactions of aromatic compounds at 77° K. B. N. Shelimov and others. Dokl. AN SSSR 172 no. 3 635-638 Ja '67.

Sensitization of photobleaching and photocoloration of spiropyran by means of triplet-triplet energy transfer. G. I. Lashkov, V. L. Ermolov, A. V. Shakhin. Opt. i spekt. 21 no. 3 546-549 N '66.

Studying the role of singlet and triplet excitation phases of triphenyl in tyrosine photoactivation. S. V. Konev, I. D. Volotovskii. Biofizika 11 no. 5 791-795 '66.

## PHOTOCONDUCTIVITY

Effect of radiation by fast electrons on photoconductivity spectra of GaAs crystals grown in hydrogen atmosphere. A. F. Plotnikov, M. A. Selezneva. Fiz. tver. tela 8 no. 11: 3392-3393 N '66.

Extrinsic photoconductivity of germanium doped with antimony, arsenic, boron, and indium. T. M. Lifshits, I. A. Nad', V. I. Sidorov. Fiz. tver. tela 8 no. 11 3208-3212 N '66.

Photoconductivity of silicon with Au and Zn admixtures. K. D. Hlynchuk, A. D. Dnysova, N. M. Lytovenko. Ukr. fiz. zhur. 11 no. 12 1324-1331 D '66.

Studying impurity photoconductivity of gold-doped silicon surface. O. V. Smirko, I. U. A. Pashchayk. Ukr. fiz. zhur. 11 no. 12 1316-1321 D '66.

## PHOTOELASTICITY

Studying plastic forming processes using the "molar effect" method. P. I. Polukhin and others. Izv. vys. ucheb. zav., Chern. met. 10 no. 1 74-77 '67.

Studying stresses around mine workings as a three-dimensional problem. S. G. Borisenko, G. V. Vaidel'stan, Izv. vys. ucheb. zav., gor. zhur. 8 no. 9 23-26 '65.

Studying the breaking of hard rocks by hydraulic wedge method. I. U. A. Dankov, A. I. Krasikov. Izv. vys. ucheb. zav. i gor. zhur. 10 no. 1 101-104 '67.

## PHOTOELECTRIC CELLS

Antireflection coating on silicon photocells. M. M. Koltun, T. M. Golovner, Opt. i spekt. 21 no. 5: 630-637 N '66.

Oleg, A. O. [Photoresistors] Fotorezistory. Moskva, Energiya, 1960, 128 p. (Biblioteka po avtomatike, no. 215).

## PHOTOELECTRIC MEASUREMENTS

Photoelectric device for recording nystagmus. A. I. Lopokko, P. M. Singurav, A. I. Shchubina. Fiziol. zhur. 52 no. 11 1389-1391 N '66.

## PHOTOELECTRICITY

Study of the spectral dependence of the photoionization of sensibilizing centers in cadmium sulfide. V. F. Lashkarev, A. A. Pashchenko. Dokl. AN SSSR 172 no. 1 77-79 Ja '67.

## PHOTOGRAMMETRY

Graph showing deformations with stereocomparator. G. P. Kudriavtsev, V. M. Levin. Transp. stroi. 16 no. 4 53-55 Ap '66.

## PHOTOGRAPHIC INTERPRETATION

Interpretation of aerial soil photographs of soil cover of the subzone of turf-Podzolic soils. M. S. Simkova. Pochvovedenie no. 1 10-26 Ja '67.

Large-scale mapping based on aerial photographs of soils in the areas with moraine and tectonic-glacial deposits of the taiga zone. I. U. S. Tolchevnikov. Pochvovedenie no. 1 26-40 Ja '67.

Significance of aerial photographic surveying in agriculture. O. V. Katoshina, N. I. Sokolova. Dokl. TSKHA no. 44 130-143 '59.

Use of aerial photographic surveying in searching for and designing of roads. S. V. Belov. Sbor. nauch.-issl. rab. po les. khoz. no. 6 121-178 '63.

## PHOTOGRAPHIC SURVEYING

Brief historical outline of the development of terrestrial stereophotogrammetry in the Soviet Union. A. A. Smirnov. Trudy Inst. ist. i tekhn. 42 182-194 '62.

## PHOTOGRAPHS—COLLECTORS AND COLLECTING

Let us increase the archival collections of photographs. V. F. Runge. Sov. arkh. no. 5 75-78 '66.

## PHOTOGRAPHY

Lepik, August. [Photography for beginners] Fotograafia algajale. Tallinn, Eesti Raamat, 1905, 341 p. [In Estonian]

## PHOTOGRAPHY, AERIAL

Vinogradov, B. V. [Aerial methods of studying vegetation in arid zones] Aerometody izucheniya rastitel'nosti aridnykh zon. Moskva, Nauka, 1966, 300 p.

## PHOTOGRAPHY IN NUCLEAR PHYSICS

Chelch, Ian. [Semiconductor control scheme of a scanning device for spark chamber films] Poluprovodnikova shema upravleniya pribora dlya prosmotra plerki s iskrovymi kamer. Dubna, 1967, 4 p.

[Highly localized light tracks in a helium-filled spark chamber] Poluchenie khorosho lokalizovannykh svetovysokoi intenziteta svetovoi kamere s gelliem. [In Russian] M. M. Kulikova. Dubna, 1967, 20 p.

## PHOTOMAGNETIC EFFECT

Quantum theory of the photomagnetic effect in semiconductors. V. N. Sobkin. Dokl. AN SSSR 167 no. 2 314-321 M '66.

## PHOTOMETERS

Biological photometer. D. N. Lazarev, B. P. Stenakova, E. S. Petrova. Trudy GGO no. 164 85-86 '66.

Illuminance in Pavlovsk by sky according to corrected readings by Kallin-Rylov photometer. T. G. Tokmakova, I. U. D. Amalshvili. Trudy GGO no. 164 126-128 '66.

Improving methodology of studying natural illuminance. L. V. Lutska, I. U. D. Amalshvili. Trudy GGO no. 164 97-102 '66.

Nonlinear functional transformations as means of improvement of automatic photometers. R. A. Kinglov. Trudy GGO no. 164 13-19 '66.

## PHOTOMETRY

Calculating the image illuminance. Part 1: general techniques. V. F. Medvedev, G. G. Pashchuk, Opt. i spekt. 21 no. 5 638-642 N '66.

Extraction of photometric determination of brightness in substances by means of pyrolyzed dithiocarbamate. A. I. Burev, V. M. Bykov, R. G. Zhurav. Vestn. Mosk. univ. Ser. 2 Khim. 21 no. 6 77-78 N-D '66.

Photometric determination of copper in soil using diethyldithiophosphate. A. I. Burev, A. A. Nomsink. Pochvovedenie no. 1 110-111 Ja '67.

Photometric determination of selenium (IV) as yellow selenium molybdenum complex. Z. P. Shakhova, A. A. Gavrilya, V. F. Zakharenko. Vestn. Mosk. univ. Ser. 2 Khim. 21 no. 6 4-67 N-D '66.

Photometric method for the quantitative determination of tin in food products, for example, in canned food. V. P. Sagakova, A. I. Malyukina. Sbor. nauch. i issl. rab. po les. khoz. no. 6 148-151.

## PHOTOMETRY, ASTRONOMICAL

Colorimetric study of galaxy NGC 6016. Part 1. P. Bingen and others. Astrofizika 2 no. 1 33-44 D '66.

## PHOTOPERIODISM

Growth and development of sorgo plant under the effect of a short day. P. S. Lashchov, V. S. Tshetivko, V. S. Setkhov. Munk. ti no. 11 40-41 '66.

Nymphal diapause in the tick Ixodes ricinus L. Report No. 1: Behavior of hungry nymphs and development of rosette nymphs in relation to photoperiodic conditions. V. N. Bulkovskiy. Med. parazit. i par. bol. 35 no. 6 113-129 N-D '66.

Role of gibberellins in photoperiodism processes in plant vernalization. M. Kh. Chaitkhan. Biol. zhur. Arm. 10 no. 12 13-14 D '66.

## PHOTOPERIODISM—MATHEMATICAL MODELING

Construction of mathematical model of "biological clock". B. S. Moskvov, I. A. Finkhanski, G. L. Uflovskiy. Dokl. AN SSSR 167 no. 2 410-443 M '66.

## PHOTOSYNTHESIS

Bioenergetics of the assimilating cells of Chlorella pyrenoidosa Chick. T. A. Glagoleva, O. V. Zelenkii. Bot. zhur. 51 no. 12 1883-1893 D '66.

Characteristics of assimilation activity and cell composition in Scenedesmus quadricauda of various ages. S. S. Baslavskaya, L. S. Babukova. Vestn. Mosk. univ. Ser. 6 Biol. i pochl. 21 no. 5 27-34 S-O '66.

Distribution of absorbed  $CO_2$  in fractions of carbohydrate organic acids and amino acids of grape leaves in photo-synthesis. O. T. Khachidze, P. A. Tkhetidze, N. V. Pkhakadze. Sbor. AN Gruz. SSR 44 no. 2 317-344 M '65.

Effect of gibberellin on the photosynthesis and carbohydrate metabolism in tree species. D. A. Komletova, L. P. Sitel'nikov. Sbor. nauch.-issl. rab. po les. khoz. no. 6 203-209 '63.

Effect of growth promoting substances of petroleum origin on photosynthesis intensity and side shoot growth in some woody plants. I. U. Krachanka. Vestn. AN BSSR, Ser. biol. nav. no. 3 34-39 '66.

Effect of photophosphorylation inhibitors on the photosynthesis and metabolism of the assimilating cells of Chlorella pyrenoidosa Chick. O. V. Zelenkii, T. A. Glagoleva, M. V. Chulanovskaya. Bot. zhur. 51 no. 12: 1718-1727 D '66.

Influence of nutrition on the net productivity of photosynthesis and the crop of potatoes. P. M. Litvova. Nauch. soob. LAFAN SSSR no. 8 67-62 '62.

## PHOTOSYNTHESIS (Continued)

Photosynthesis and respiration of wild strawberries  
T. V. Tokalishvili. *Sob. AN Gruz. SSR* 44 no. 2:441-444 N '66.

Use of solar energy by plants in process of photosynthesis.  
S. I. Sivkin. *Trudy GGO* no. 184 109-122 '66

## PETHALIC ANHYDRIDE

Study of factors affecting oxidation of industrial varieties of naphthalene to pthalic anhydride. N. D. Ruslanova and others. *Neftepr. i neftekhim* no. 10:31-33 '66.

PHYLLITE see subdivision under Carpathian Mountain region

## PHYLOGENY

Centennial of the publication of first phylogenetic life system by C. Haeckel. I. V. Chesnova. *Zool zhur.* 45 no. 12:753-1758 '66.

Phylogenetic analysis of centodes of collective genus *Lathyrus* (Cyrtophyllides). A. A. Spasskii, Paraz. zhiv. i razv. no. 2:50-63 '66.

PHYSICAL AND THEORETICAL CHEMISTRY see Chemistry, Physical and theoretical

## PHYSICAL EDUCATION AND TRAINING

(see also subdivision under Latvia)

A city of health and sports. L. Zenchenko. *Agitator* 14 no. 2:51-56 Ja '67.

A concerted aesthetic and physical development is an indispensable factor in the formation of personality. V. V. Kuleshnikov, A. P. Priadoin. *Uch. zap. Svor. gos. ped. inst.* no. 35:90-105 '66

Everyone should participate in sports events. B. I. Rodlgin. *Nach. shkola* 35 no. 2:41-42 F '67.

Physical education helps in the process of study and teaching. V. G. Pekkel'. *Nach. shkola* 35 no. 2:42-44 F '67.

Physical education is an important subject. M. Stankin. *Nar. obr.* no. 1:61-67 Ja '67.

Preparation for and passing of the Marsh-Brosok standard test of the "Ready for work and defense of the U.S.S.R." program by students in the preparatory group. V. P. Zubynin. *Sbor. nauch. rab. Azovo-Cher. inst. mekh. sel'khoz.* no. 14:51-58 '68.

Preparation for and passing of the standard tests in the first stage of the program. "Ready for work and defense of the U.S.S.R." by students in the preparatory group. V. P. Zubynin. *Sbor. nauch. rab. Azovo-Cher. inst. mekh. sel'khoz.* no. 14:9-10 '68.

There in the winter in Mexico. M. Tarikovskii. *Mol. komm.* no. 10:122-126 '66.

Topical "physical culture minutes". V. Tikhomirov. *Nach. shkola* 35 no. 1:31 Ja '67.

Uzbek S.S.R. Ministerstvo prosvetsheniia. [Secondary school programs for 1966/67. Physical education for 8th and 10th grades.] *Programmy srednei shkoly na 1966/67 uchebnyi god. Fizicheskoe vospitaniie dlia IX-X klassov.* Tashkent, Uchitel', 1966. 34 p.

We must develop physical culture and sports. Part. *zhiten'* no. 2:61 Ja '67.

## PHYSICAL EDUCATION AND TRAINING—RESEARCH

Work of a complex scientific research brigade in the field of skating. M. P. Sukolov. *Teor. i prakt. fiz. kul't.* 29 no. 12:19-11 D '66.

PHYSICAL GEOGRAPHY see subdivision under Adzharia, Azerbaijan; Azerbaijan; Kazakhstan; Kara Kum; Lenkoran; Lowland; Queen Maud Land; Scandinavia

## PHYSICAL GEOGRAPHY—MAPS

Methodology of landform mapping. Ch. V. Gal'kov. *Izv. Tsh. fil. Geog. ob-shch.* 9:84-101 '66.

## PHYSICAL INSTRUMENTS

Apparatus for determining the swelling of granulated materials at various temperatures [with summary in English]. V. I. Giorshkov, V. I. Slovetkii, G. M. Tanchenkova. *Koll. zhur.* 23 no. 3:345-340 My-Je '61.

Apparatus for the measurement of swelling at elevated temperatures [with summary in English]. B. A. Dogadkin, A. A. Donatov. *Koll. zhur.* 23 no. 3:346-347 My-Je '61.

Silver-silver chloride electrode. F. G. Rutberg, A. A. Kiselev, V. A. Doluk. *Teplotl. vya. temp.* 4 no. 6: 886-887 N-D '66.

## PHYSICAL METALLURGY

Savitskii, L. M., and G. S. Burkanov. [Physical metallurgy of high-melting metals and alloys] *Metallovedenie tupoalvokh metally i splavov.* Moskva, Nauka, 1967. 322 p.

## PHYSICAL METALLURGY—PROGRAMMED INSTRUCTION

Mozzberg, R. K. [Programmed manual for self-testing in the course "Metallography and heat treatment of metals"] *Programmirovannoe posobie dlia samokon-trolia po kursu "Metallovedenie i termicheskaia obrabotka."* Tallinn, Tallinskii politekh. in-t, 1966. 147 p.

## PHYSICAL METALLURGY—STUDY AND TEACHING

Kuzhev, B. A. [Heat treatment of steel, programmed manual] *Termicheskaia obrabotka stali, programmirovannoe uchebnoe posobie.* [Krasnoarsk] Krasnoarskoe knizhnoe izd-vo, 1966. 77 p. [MICROFILM]

PHYSICAL OPTICS see Optics, Physical

## PHYSICAL THERAPY

Once more concerning the physiological characteristics of dosage in physical therapy. V. M. Matoshin. *Vop. kur., fizioter. i lech. fiz. kul't.* 27 no. 6:560-562 N-D '62

Organization of physical therapy in hospitals and polyclinics by A. A. Tamarov. A review. *Vop. kur., fizioter. i lech. fiz. kul't.* 27 no. 6:563-561 N-D '62

Physical therapy in the compound treatment of bronchial asthma patients. E. I. Rishukha. *Vop. kur., fizioter. i lech. fiz. kul't.* 27 no. 6:534-538 N-D '62

Tasks of scientific research institutes of health resort treatment and physiotherapy in the organization of physical therapy service for the population. A. A. Tamarov. *Vop. kur., fizioter. i lech. fiz. kul't.* 27 no. 6:550-552 N-D '62.

## PHYSICAL THERAPY—CONGRESSES

Inter-Health Resort Scientific and Practical Conference on Physical Therapy in Pyatigorsk. V. M. Andreeva, I. I. Khitkii. *Vop. kur., fizioter. i lech. fiz. kul't.* 27 no. 6:569-570 N-D '62

## PHYSICIANS—EDUCATION

Advanced training and specialization of zemstvo physicians, on the 80th anniversary of Leningrad Institute for Advanced Training of Physicians. V. Ch. Bizheskii. *Sov. med.* 29 no. 11:138-140 N '66.

## PHYSICS

Physics in the great half-century. I. A. G. Dorfman. *Priroda* no. 1:24-35 Ja '67.

## PHYSICS—ABSTRACTS

[Physics] *Ref. zhur. Fiz.* no. 2 F '67.

## PHYSICS—CONGRESSES

"Lomonosov lectures" at Physics faculty of Moscow State University. *Vest. Mosk. un. Ser. 3: Fiz., astron.* 21 no. 6:108-111 N-D '66.

## PHYSICS—PHILOSOPHY

Developing the concept of the material object in the physics of microcosm. L. G. Antipenko. *Vop. filoz.* 21 no. 1:104-113 '67.

Philosophical problems connected with A. Einstein's theory. V. S. Lukhmetov. *Dop. AN URSS* no. 10:1364-1366 '66.

Qualitative changes and the structure. S. F. Zak. *Vop. filoz.* 21 no. 1:50-58 '67.

## PHYSICS—STUDY AND TEACHING

Connection between mathematics and physics instruction. V. M. Kokarev, N. N. Tul'kibeva. *Vech. sred. shkola* 9 no. 5:40-51 S-O '66.

Electronics in classwork. A. S. Melnikov. *Vech. sred. shkola* 9 no. 3:67-71 My-Je '66.

Elementary physics of permanent magnets. M. A. Grabovskii. *Vech. sred. shkola* 9 no. 3:53-58 My-Je '66.

Elimination of guessing in the solution of problems with a selective line of responses. I. M. Nizamov. *Vech. sred. shkola* 9 no. 3:66-87 My-Je '66.

Interrelation of chemistry and physics with the fundamentals of metallurgy. E. I. Lortinov. *Vech. sred. shkola* 9 no. 5:95-99 S-O '66.

Need for the interpretation of subjects. A. I. Radlov. *Vech. sred. shkola* 9 no. 5:46-48 S-O '66.

On a level with present day problem. G. I. Koztman. *Vech. sred. shkola* 9 no. 3:46-52 My-Je '66.

Through the pages of unpublished articles. *Vech. sred. shkola* 9 no. 3:28-37 My-Je '66.

The use of television in physics classes. G. Red'ko. *Nar. obr.* no. 2:64-65 F '67.

Vocational training and physiobiological experiments. F. Balkov. *Nar. obr.* no. 2:53-67 F '67.

We are studying semiconductors. A. O. Gukalio. *Vech. sred. shkola* 9 no. 3:37-41 My-Je '66.

## PHYSIOLOGICAL APPARATUS

Methodology for graphic recording of musculoarticular sensitivity. I. A. Dmitriev. *Fiziol. zhur.* 52 no. 12: 1466-1467 D '66.

Semiautomatic installation for the study of higher nervous activity in rats. M. B. Goldberg and others. *Trudy inst. vya. nerv. deiat. Ser. patofiziol.* 10:187-188 '62.

Universal head-holder in a stereotaxis apparatus for the examination of structures of the bottom of the fourth ventricle in cats. N. K. Seradzhiev, P. S. Aref'ev. *Fiziol. zhur.* 52 no. 12:1468-1490 D '66.

PHYSIOLOGICAL OXIDATION see Oxidation, Physiological

PHYSIOLOGICAL PSYCHOLOGY see Psychology, Physiological

## PHYSIOLOGY

Current problems of physiology. *Fiziol. zhur.* 49 no. 3:1-iv Mr '63.

## PHYSIOLOGY—PHILOSOPHY

Natural science and philosophical problems concerning the current state of knowledge about the brain. S. A. Sarkisov. *Zhur. vya. nerv. deiat.* 12 no. 6:963-1000 N-D '62.

Philosophical problems in the physiology of the higher nervous activity and in psychology. O. A. Krylov, V. I. Chumak. *Zhur. vya. nerv. deiat.* 12 no. 6:1089-1096 N-D '62.

## PHYSIOLOGY—RESEARCH

Some problems in planning physiological research. K. A. Lange. *Fiziol. zhur.* 52 no. 12:1501-1504 D '66.

## PHYSIOLOGY, PATHOLOGICAL

Review of Professor F. Hoff's book "Clinical physiology and pathology." O. V. Nikolaev. *Probl. endok. i gorm.* 6 no. 6:100-103 N-D '62.

## PHYTOGEOGRAPHY

(see also subdivision under Moscow Province; Nan Shan region; Zhigansk District)

Geographical distribution of *Lilium* species in the U.S.S.R. M. V. Baranova. *Bot. zhur.* 51 no. 12:1894-1705 D '66.

PHYTONCIDES see subdivision under Carpathian Mountain region

PHYTOPATHOGENIC BACTERIA see Bacteria, Phytopathogenic

PHYTOPATHOGENIC FUNGI see Fungi, Phytopathogenic

PHYTOPLANKTON see subdivision under Kayrakum Reservoir

## PIAGET, JEAN, 1896-

Teaching thought operations to children in a "piagetian stage of development" according to Jean Piaget. G. A. Konstantin. *Sov. pedagog.* 31 no. 1:33-35 Ja '67.

## PIATNITSKII, IOSIF ARONOVICH, 1882-1939

Nelman, Lina. ["Piatnitskaia, an historical tale"] *"Piatnitskaia", istoricheskaya povest'*. [Izd. 2.] Moskva, Det'skaya lit-ra, 1967. 174 p. (Shkol'naya biblioteka)

## PICOLINE

Reactions of <sup>14</sup>C recoil atoms in mixtures of picoline-toluene. L. P. Firsova. *Vest. Mosk. un. Ser. 2: Khim.* 21 no. 6:105-106 N-D '66.

## PIECEWORK

Improving the forms of remuneration for piece-work, based on the materials of the machinery and metalworking industries of the White Russian S. S. R. A. M. Pashkovich, M. S. Kundaevskii. *Vest. AN BSSR. Ser. hrazn. nav.* no. 4:31-38 '66.

## PIERS—DESIGN AND CONSTRUCTION

Industrializing construction of precast reinforced concrete sea transport piers. R. K. Nazarov, I. F. Smagin, M. I. A. Tripolskii. *Transp. stroit.* 16 no. 3:19-21 Mr '66.

## PIEZOELECTRIC SUBSTANCES

Determining properties of piezoceramic plates used in flaw detectors. L. A. Iakovlev. *Defektoskopia* 2 no. 5:32-35 '66.

Theory of an acoustically resonant multilayer piezoelectric transducer. L. G. Merkulov, L. M. Iablouk. *Defektoskopia* 2 no. 5:3-11 '66.

## PIGMENTS

Effect of prolonged darkness on pigment apparatus in neutral long-day and short-day plant species. T. V. Bavrina. *Dokl. AN SSSR* 167 no. 2:464-467 Mr '66.

## PIMP, BORIS IVANOVICH, 1906-1960

Boris Ivanovich Pimp; obituary. *Vop. geog. Kamch.* no. 4:140-144 '66.

PIKAS see subdivision under Siberia

PIKE see subdivision under Rybninsk Reservoir

## PIKE PERCH

Introduction of pike perch into Karelian lakes. R. N. Saltup. *Ryb. khoz.* 43 no. 1:24-25 '67.

## PILGRIMS AND PILGRIMAGES

V. V. Polozov's travels in the Near and Middle East in the 1870's; an evaluation of his petitions as source of history. E. G. Chumachenko. *Palest. shor.* no. 15:208-227 '66.





## PIPELINES—TESTING

Effect of local resistance on pressure fluctuation in pipelines. A. E. Rott. Mash. inzh. zh. no. 12-17-31 '66.

Magnetographic inspection with a visible image. A. S. Fuflyakhi, M. Kh. Khusanov. Stroi. tuboprov. 6 no. 12-10-11 D '61.

## PIPERAZINE

A new anesthetic for controlling goose anidostomosis. M. V. Katkov. Vest. sel'khoz. univ. 11 no. 12-31-86 D '66.

## PIPERIDINE

Pharmacological study of triol preparation of acetylcholine-1, 2, 5-trimethyl-4-(3, 1-dimethyl-pyridin-1-yl)-3, 4)-1-piperidol. K. Kh. Khaidatov, O. V. Morozova, M. B. Ismailova. Izv. Otd. biol. nauk AN Tadzh. SSR no. 3-81-85 '66.

## PIPERIDONE

Effect of the character of substitution at  $\gamma$ -piperidone nitrogen on the electrochemistry of phenylthiourea synthesis. I. A. Mstislukov, N. I. Aronova. Izv. AN SSSR Ser. khim. no. 1-18-113 Ja '67.

Synthesis of some N-substituted 2-methyl- and 3-methyl-1-piperidones. F. A. Mstislukov, N. I. Aronova. Izv. AN SSSR Ser. khim. no. 12-2171-2176 '66.

## PISTON RINGS

Role of the humidity of molding sand on the changes in loss of elasticity, residual deformation, and other properties of piston rings. I. I. Kozhinskii. Avt. prom. 32 no. 12-31-36 D '66.

## PISTONS—FLUID DYNAMICS

Zhukhovskii, M. K. [Theory and design of instruments with unsealed piston]. Tem. 1 raschet priborov s neoploshchennymi potokami. Izd. 2., perer. i dop. Moskva, Izd-vo Standartov, 1966. 330 p.

## PITCH

Pitch for the production of pitch coke. I. P. Dobrovolskii and others. Koka i khim. no. 5-20-31 '62.

## PITERSKII, ALEKSEI MIKHAILOVICH, 1894-1961

Aleksei Mikhailovich Piterskii; an obituary. Stal' 21 no. 11-1053 N '61.

## PITSUNDA REGION (GEORGIA)—PINE—DISEASES AND PESTS

Fractation of diseases and pests in the Pitsunda Grove. P. A. Polubchenko. Izv. vys. ucheb. zav., les. zhur. 9 no. 6-9-12 '66.

## PITUITARY DYSOPHILISM see Cushing's syndrome

## PITUITARY BODY

Cellular composition of the anterior lobe of the hypophysis in relation to reduced and increased content of estrogens in the body. V. I. Romanov. Bul. eksp. biol. i med. 13 no. 1-75-77 Ja '67.

Comparative dosimetric characteristics of methods of large focus irradiation of the hypophysis with large and small fields. R. V. Stavitakii, L. G. Shvinn. Med. rad. 12 no. 1-10-14 Ja '67.

Hypoplasia of the hypophyseal-adrenal system in newborn animals as the cause of low resistance to morphine. I. V. Morokva. Probl. endok. i gorm. 8 no. 6-3-B N-D '62.

Relationship between hypothalamus-hypophysis system and sex cycle. N. Z. Malsurudov. Soob. AN Gruz. SSR 44 no. 3-791-795 D '66.

## PITUITARY BODY—SURGERY

Influence of GH and ACTH on the antineoplastic effect of the toxicity of diethyl hypophosphorylated rats with sarcoma 45. V. A. Chernov, A. S. Sokolova. Vop. onk. 13 no. 1-79-76 '67.

## PITUITARY BODY—TUMORS

Effect of radiotherapy on intracocular pressure in tumors of hypophysis. L. G. Shvinn, R. G. Mamlin. Med. rad. 11 no. 12-7-10 D '66.

Gammatherapy of tumors of the hypophysis. M. A. Meskova, I. S. Lutscher, Z. E. Zhavoronkova. Med. rad. 12 no. 1-10-20 Ja '67.

## PITUITARY HORMONES

Ad-mobilizing activity of adiposin, lipocidin and prolactin following separate and combined administration. G. T. Pavlov. Probl. endok. i gorm. 8 no. 6-37-40 N-D '62.

## PLACER DEPOSITS see subdivision under Ukraine

## PLAGIOCLASE see subdivision under Sutan Valley

## PLAQUE—PREVENTIVE INOCULATION

Successibility of guinea pigs and white mice to plague following contact infection. E. I. Korobkova, D. I. Shmerkevich, L. V. Samoilova. Zhur. mikrobiol., epid. i immunit. 44 no. 1-91-93 Ja '67.

## PLANARIA

Ribonuclease effect on nervous activity in Planaria. A. N. Chekashin, I. M. Shelman. Dokl. AN SSSR 171 no. 1-90-995 D '66.

## PLANETARY GEARING see Gearing, Planetary

## PLANETS, MINOR

Elements of the elliptic orbit of the new minor planet 1963 UA. V. K. Abalakin. Bul. Inst. teor. astron. 10 no. 5-379 '65.

## PLANETS, MINOR—TABLES

Photographic observations of minor planets with the wide-angle astrophotograph of Moscow Observatory. T. P. Perchagina. Bul. Inst. teor. astron. 10 no. 5-380-383 '65.

## PLANIMETER

Studying a new linear planimeter. Z. S. Golubeva. Dokl. TSMA no. 44-145-151 '59.

## PLANKTON

(see also subdivision under Indian Ocean)

Brief characteristics of plankton samples for radiobiological analyses. A. I. Fedorov. Radiobiologia 2 no. 4-620-625 '62.

Device for catching plankton in the surface layer of water. I. P. Zeitsev. Sborn. izob. v ryb. prom. za 1961 g. 18.

## PLANT BREEDING

Intergenic chimeras and their significance for breeding. N. I. Minsurudov. Genetika no. 11-69-82 '66.

Russel, Neeme, and Jaan Lepajõe. [Practical exercises in plant breeding and seed production]. Sordaietus ja seemnekasvatuse praktikum Tallinn, Valgus, 1966. 253 p. [In Estonian] (DNL)

## PLANT CELLS AND TISSUES

Amount of sulfhydryl compounds in plant tissues. Z. A. Mel'nikhenko. Uch. zap. GGU no. 50-101-112 '59.

Determining absorption spectra of individual cells of plant leaves. S. G. Gumnat'skii, V. P. Ryachev. Zhur. prikl. spekt. 5 no. 3-674-680 N '65.

## PLANT COMMUNITIES see subdivision under Aktyubinsk Province, Ustyul

## PLANT COMMUNITIES—CONGRESSES

In the White Russian Division of the All-Union Botanical Society: conference on the methodology of studying plant associations. V. S. Gel'tsman. Bot. zhur. 51 no. 12-1831-1832 D '66.

## PLANT CUTTINGS

Some data on softwood cuttings of greenhouse (subtropical) plants. U. S. Vakula. Vest. AN BSSR, Ser. biol. nav. no. 3-70-73 '66.

## PLANT DISEASES see subdivision under White Russia

## PLANT INDICATORS

Phytogenic hummocks are indicators of ascending springs (relationship between indicators and geographical conditions). A. A. Vostokova. Bul. MOIP Otd. geol. 36 no. 3-156-157 My-Je '61.

## PLANT INTRODUCTION see subdivision under Turkmenistan; White Russia

## PLANT LICE

(see also subdivision under Soviet Central Asia)

Effect of aphid nutrition on the productivity of the plant and the sowing quality of winter wheat and barley seeds. Z. P. Borisova. Trudy KISKHI 55-13-21 '66.

Studying the comparative toxicity of some contact insecticides with regard to the beet aphid (Aphis fabae Scop.). K. S. Razmadze. Soob. AN Gruz. SSR 27 no. 2-201-206 Ag '61.

## PLANT LICE—EXTERMINATION

Effect of some insecticides on the bean aphid Aphis fabae in forage bean fields. L. V. Lapshin, I. V. Lepikhin. Khim. v sel'khoz. 5 no. 1-131 Ja '67.

Effectiveness of organophosphorus compounds for controlling red-gall aphid Dysaphis devecta. N. A. Solivanova. Khim. v sel'khoz. 5 no. 1-133 Ja '67.

Various methods for using poisonous chemicals in controlling greenbugs. Z. P. Borisova. Trudy KISKHI 55-22-27 '66.

## PLANT PHYSIOLOGY

Main indicator of plant life. Priroda no. 1-112 Ja '67.

Polarity and heterosis in plants. G. Kh. Molotkovskii. Vest. sel'khoz. nauk. 11 no. 11-28-34 '66.

## PLANT TEMPERATURE

Thermal condition of apple trees in winter in the north-west. I. N. Kotovich. Bul. nauch.-tekhn. inform. po agron. 12, no. 8/9-104-110 '60.

## PLANTERS (AGRICULTURAL MACHINERY)

Concerning the nominal number of working components in a planting machine. M. E. Demidov. Trakt i sel'khoz. mash. 30 no. 3-50-32 Mi '60.

The SZS grain stubble planter. V. Maniakhi, Tekh. v sel'khoz. 27 no. 1-36-37 '67.

What a seed tube should be like. M. Gorlenko. Zemledele 29 no. 1-75 Ja '67.

## PLANTING TIME

Effect of planting time on the viability of pine and spruce plantations. G. S. Tutigin. Izv. vys. ucheb. zav., les. zhur. 9 no. 6-164 '66.

## PLANTS—CHEMICAL ANALYSIS

Chemical composition of the tissues of some plants.

V. I. Shirkov and others. Sborn. trud. NIIS 14-7-12 '66. Effect of heteroauxin on organic acid content in sunflower. A. A. Zemlianukhin, V. I. Zviagintsev. Dokl. AN SSSR 167 no. 2-168-170 Mr '66.

Limit storage factors for strontium 90 in brown algae. L. H. Kulebakina. Dop. AN URSR no. 10-1318-1320 '66.

Method of determining the total microelement content of soils and plants. G. J. Rinkis. Pochvovedenie no. 3-74-82 My '60.

Some data on chemical composition of aquatic plants in lakes of eastern Pamirs. M. M. Ponomareva. Izv. Otd. biol. nauk AN Tadzh. SSR no. 4-112-115 '66.

Some problems in the biochemistry of the onion. Z. N. Briantseva, V. A. Valutina, E. K. Puzina. Uch. zap. GGU no. 50-119-125 '59.

Study of chemical composition of Ephedra L. growing in Georgia. T. S. Zhgenti. Soob. AN Gruz. SSR 44 no. 3-631-636 D '66.

## PLANTS—COLLECTION AND PRESERVATION

Chemical changes in di- and tricarboxylic acids in the process of preserving some succulent plants. P. A. Hnedkov. Farmatsev. zhur. 18 no. 3-52-55 '63.

## PLANTS—DISEASE AND PEST RESISTANCE

Increasing the resistance of plants to diseases by means of using various forms of mineral fertilizers. G. A. Turov. Trudy KISKHI 56-11-19 '66.

## PLANTS—EVOLUTION

Relationship between natural and artificially obtained diversity of forms and some experimental studies on evolution of cultivated plants. H. Stubbe. Genetika no. 11-9-30 '66.

## PLANTS—FROST RESISTANCE

Relationship between frost resistance of woody plants and their growth characteristics. V. A. Smirnova. Vest. AN BSSR Ser. biol. nav. no. 3-44-48 '66.

Resistance of winter crop pigment system to cold during fall and winter seasons. T. N. Gorinov, A. I. Armutova, E. V. Khodasevich. Dokl. AN BSSR 10 no. 11-897-900 N '66.

## PLANTS—IRRITABILITY AND MOVEMENTS

Action potentials of higher plants not possessing motor activity. A. M. Shinkukhin, V. V. Gorchakov. Biofizika 11 no. 5-810-816 '66.

## PLANTS—METABOLISM

Changes in the metabolism and yield of plants caused by the absorption of carbonic acid by roots. A. A. Anisimov and others. Uch. zap. GGU no. 50-12-52 '59.

Characteristics of trees of various classes based on the level and energy of metabolism. A. P. Sladkov. Izv. vys. ucheb. zav., les. zhur. 9 no. 6-3-8 '66.

Effect of photophosphorylation inhibitors on the photosynthesis and metabolism of the assimilating cells of Chlorella pyrenoidosa Chick. O. V. Zelenitskii, T. A. Glogoleva. M. V. Chulanovskaya. Bot. zhur. 51 no. 12-1718-1727 D '66.

Plant metabolism in potassium deficiency. A. L. Kursanov, E. I. Vyskrebentsova. Agrokhimia no. 11-65-77 Ja '67.

## PLANTS—NUTRITION

Determining available nutrients in soils and the requirements of farm crops for them, a coordinating conference in Hungary. K. V. Verigina. Agrokhimia no. 1-161-165 Ja '67.

Organic matter in soil and plant nutrition. M. M. Kononova, K. V. Dlakonova. Pochvovedenie no. 3-1-11 Mr '60.

## PLANTS—RADIOACTIVE PROPERTIES

Distribution of absorbed  $^{14}C$  in fractions of carbohydrates, organic acids and amino acids of grape leaves in photosynthesis. O. T. Khachidze, P. A. Tkheidze, N. V. Pkhakadze. Soob. AN Gruz. SSR 44 no. 2-317-324 N '66.

Dynamics of absorption and excretion of mineral nutrients by spruce and aspen roots in pure and mixed stands. E. S. Martynovich. Vest. AN BSSR, Ser. biol. nav. no. 3-40-53 '66.

## PLANTS—RESPIRATION

Bioenergetics of the assimilating cells of Chlorella pyrenoidosa Chick. T. A. Glogoleva, O. V. Zelenitskii. Bot. zhur. 51 no. 12-1633-1633 D '66.

## PLANTS--RESPIRATION (Continued)

- Effect of nutrient environment on respiration of grapevine roots. M. V. Kipridze. *Sobh. AN Gruz. SSR* 14 no. 2, 437-439 N '66.
- Photosynthesis and respiration of wild strawberry leaves. T. V. Takaishvili. *Sobh. AN Gruz. SSR* 44 no. 2-41-144 N '66.

## PLANTS--TRANSPIRATION

- Water balance of pine stands on the hilly sands of the lower Dnieper Valley. A. V. Sudakov. *Btul. nauch.-tekhn. inform. po agron. fiz.* no. 8/9-82-87 '60.

## PLANTS--WATER REQUIREMENTS

- Sucking activity of root systems. Z. A. Mel'nichenko. *Uch. zap. GGU* no. 50 113-118 '59.

## PLANTS, EFFECT OF ANTIBIOTICS ON

- Effect of streptomycin on wheat seedlings. S. A. Alvazian, V. O. Bobaian, A. G. Abramian. *Biol. zhur. Arm* 19 no. 10 28-33 O '66.
- Nature of the action of some antibiotics on higher plants. B. A. Rubin, M. E. Ladygina. *Usp. sov. biol.* 52 no. 1 79-95 J1-Ag '61.

## PLANTS, EFFECT OF BORON ON

- Some data on the development of male sporangium in wheat in the absence of boron. T. B. Balygina, E. A. T. Otkalska, G. K. Alimova. *Bol. zhur.* 51 no. 12 1751-1754 D '66.

## PLANTS, EFFECT OF CARBON DIOXIDE ON

- Changes in the metabolism and yield of plants caused by the absorption of carbonic acid by roots. A. A. Anisimov and others. *Uch. zap. GGU* no. 50:42-52 '59.

## PLANTS, EFFECT OF CHLORINE ON

- Effect of environment reaction on chlorine uptake by plants. M. P. Ivanov. *Vestsi AN BSSR, Ser. biol. nav.* no. 159-62 '67.

## PLANTS, EFFECT OF COBALT ON

- Effect of foliar feeding of cobalt to potato and sugar beet plants on the yield and its quality. M. U. Tsiarents'eva, M. Z. Pekar, L. M. Dorozhnikina. *Vestsi AN BSSR, Ser. sel'khoz. nav.* no. 4 21-23 '66.

## PLANTS, EFFECT OF GAMMA RAYS ON

- Effect of gamma rays on the kidney bean and the soybean. S. G. Todoradze. *Sobh. AN Gruz. SSR* 20 no. 6:715-718 Je '61.
- Effect of seed gamma irradiation on growth and development of seedlings of some introduced maple and birch species. M. A. Kudzinova. *Vestsi AN BSSR, Ser. biol. nav.* no. 354-63 '66.
- Results of the commercial testing of presowing irradiation of corn seeds with  $Co^{60}$  gamma rays. N. M. Berczina, E. I. Korneva, R. R. Rita-Zade. *Radiobiologiya* 2 no. 4 629-633 '62.
- Selection of radioresistant diploid and autotetraploid forms of the buckwheat (*Fagopyrum esculentum* Moench). R. N. Platonova, V. V. Sakharov. *Radiobiologiya* 2 no. 4 595-600 '62.

## PLANTS, EFFECT OF IODINE ON

- Effect of iodine on hemibiosulose dynamics in barley. V. M. Tsiarents'eva, N. B. Hataunova. *Vestsi AN BSSR, Ser. biol. nav.* no. 411-14 '66.

## PLANTS, EFFECT OF LIGHT ON

- Effect of light balance changes on dynamics of assimilation processes in a green leaf. S. N. Mel'eschenko. *Biol. zhur.* 11 no. 5:933-935 '66.
- Effect of prolonged darkness on pigment apparatus in neutral long-day and short-day plant species. T. V. Bavrina. *Dokl. AN SSSR* 187 no. 2:464-467 Mr '66.

## PLANTS, EFFECT OF NITROGEN ON

- Age-related changes in nitrogen metabolism in fodder lupine. A. V. Miranenko, K. I. Zaben'kova. *Vestsi AN BSSR, Ser. biol. nav.* no. 122-26 '67.
- Effect of nitrogen fertilizers on the accumulation of vitamin C in plants. A. A. Anisimov. *Uch. zap. GGU* no. 50:28-41 '59.
- Effectiveness of the use of nitrogen for legumes. V. E. Shevchuk. *Izv. ISKH* no. 24 77-96 '62.

## PLANTS, EFFECT OF PHOSPHORUS ON

- Content of phosphorus fractions of potato leaves infected by X virus. A. V. Ustinova. *Vestsi AN BSSR, Ser. biol. nav.* no. 1:119-120 '67.
- Dynamics of absorption and excretion of mineral nutrients by spruce and aspen roots in pure and mixed stands. B. S. Martynovich. *Vestsi AN BSSR, Ser. biol. nav.* no. 3:49-53 '66.

## PLANTS, EFFECT OF POLYHALITE ON

- Effect of polyhalite in sandy-loam soils. V. A. Pantkin. *Agrokhirmita* no. 1:81-84 Ja '67.

## PLANTS, EFFECT OF POTASSIUM ON

- Effect of potassium nutrition conditions on the phosphorus metabolism and protein synthesis of plants. M. N. Blazhuk. *Vestsi AN BSSR, Ser. sel'khoz. nav.* no. 4 24-29 '66.
- Plant metabolism in potassium deficiency. A. L. Kursanov, E. I. Vyskrebentseva. *Agrokhirmita* no. 1: 65-77 Ja '67.

## PLANTS, EFFECT OF RADIATION ON

- Comparative study of the effect of irradiated and non-irradiated plant extracts on the transplatability of tumor cells. L. M. Krivokova, A. M. Kurin. *Radiobiologiya* 2 no. 4:567-568 '62.
- Effect of ionizing radiation on the variability of cotton. L. G. Arutunova, D. A. Musayev. *Nauch. trudy TashGU* no. 210 43-65 '62.

- Methods of detecting induced somatic mutations in potatoes. E. A. Solomko. *Radiobiologiya* 2 no. 4 634-638 '62.
- Use of solar energy by plants in process of photosynthesis. S. I. Sivkin. *Trudy GGO* no. 184 109-122 '66.

## PLANTS, EFFECT OF SALT ON

- Effect of salts on biosynthesis of some sulfur-containing amino acids in faba bean leaves. N. I. Sheviakova. *Dokl. AN SSSR* 167 no. 2:471-473 Mr '66.

## PLANTS, EFFECT OF SOIL MOISTURE ON

- Accumulation of pigments by oak leaves as affected by different soil moisture. V. M. Tsiarents'eva, L. N. Emel'ianova. *Vestsi AN BSSR, Ser. biol. nav.* no. 3: 23-28 '66.

- Effect of soil temperature balance on growth and development of small-leaved linden under urban conditions. A. A. Chukhonski, M. M. Hancharyk. *Vestsi AN BSSR, Ser. biol. nav.* no. 3:16-22 '66.

## PLANTS, EFFECT OF TEMPERATURE ON

- Pigment biosynthesis in lichens and hibernating plants at subfreezing temperature. T. N. Godnev, E. V. Khodasevich, A. I. Arnavtova. *Dokl. AN SSSR* 167 no. 2:451-453 Mr '66.

## PLANTS, EFFECT OF TRACE ELEMENTS ON

- Effect of microelements of Soligorsk salts on photosynthesis and development of potatoes. M. M. Hancharyk, M. U. Tsiarents'eva, L. M. Dorozhnikina. *Vestsi AN BSSR, Ser. biol. nav.* no. 4:5-10 '66.
- Effect of topdressing with microelements on absorption of mineral nutrients by some woody plants. M. D. Nastasirovich, L. I. Rakhosenkina. *Vestsi AN BSSR, Ser. biol. nav.* no. 3:10-15 '66.
- Effect of topdressing with microelements on fruit bearing of some woody plants. M. D. Nastasirovich, L. U. Kiriuchanka. *Vestsi AN BSSR, Ser. biol. nav.* no. 4:16-23 '66.
- Effect of trace elements on the germination of acorns, viability, and growth of the one-year old plantations of oak and pine. P. N. Khomin. *Trudy Ser. sel'khoz. inst.* 15 no. 3:47-49 '65.
- Role of cobalt, copper, and molybdenum in increasing the activity of hydrogenase in forage bean nodules. I. A. V. Peive, B. A. Iagodin, A. D. Poparova. *Agrokhirmita* no. 1 94-99 Ja '67.
- Treating pine seeds with trace elements before sowing. V. E. Fedotova. *Trudy Ser. sel'khoz. inst.* 15 no. 3:40-41 '65.
- Use of trace elements in establishing pine plantations on rubble carbonate-rich soils. V. M. Sidorov. *Trudy Ser. sel'khoz. inst.* 15 no. 3:42-47 '66.

## PLANTS, EFFECT OF ULTRAVIOLET RAYS ON

- (see also subdivision under Georgia)
- Effect of ultraviolet irradiation on optic properties and fluorescence of plant leaves. I. U. Giller, I. U. S. Nasyrov. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:32-45 '66.

## PLANTS, EFFECT OF UREA ON

- Effect of granulated urea with various bluret content on the yield of farm crops in field experiments. I. G. Kondrat'ev, G. V. Podkolzina. *Agrokhirmita* no. 1:55-61 Ja '67.

## PLANTS, ORNAMENTAL see subdivision under Gorky Province; Simferopol'; Turkmenistan

## PLANTS, PROTECTION OF

- (see also subdivision under Kirghizistan; Oshskaya Province; Tokmak region, Kirghizistan)
- Introduce everything new and advanced into production. *Zashch. rast.* 12 no. 1:1-2 '67.
- Soviet-Afghan Conference. L. Drozdov, E. Tsypienkov. *Zashch. rast.* 12 no. 1:59-60 '67.
- Soviet-Iran Conference, P. Kostorev. *Zashch. rast.* 12 no. 1:60 '67.

## PLANTS, PROTECTION OF--RESEARCH see subdivision under Kirghizistan

## PLANTS, SPACE ARRANGEMENT OF

- Effect of the density of spruce stands on their productivity. V. I. Kravchenko. *Sbor. nauch.-issl. rab. po les. khoz.* no. 6:115-120 '63.

- Space arrangement and density of stand for irrigated corn. N. U. Umurzakov, A. A. Lukashiev. *Vestsi AN BSSR, Ser. sel'khoz. nav.* no. 10 no. 1:51-56 Ja '67.

## PLASMA (IONIZED GASES)

- Effect of flame interaction on structural and spectroscopic characteristics of pulse discharge. M. A. Sultanov. *Zhur. prikl. spekt.* 5 no. 5:574-580 N '66.
- Effect of motion of ions along magnetic field on plasma stability. S. S. Moiseev. *Pis'ma v red. Zhur. ekspt. i teoret. fiz.* 4 no. 3 81-84 Ag '66.
- Electron component of the transfer characteristics in dust-containing gases. E. V. Samuilov. *Pis'ma v red. Zhur. ekspt. i teoret. fiz.* 4 no. 6 751-758 N-D '66.
- Ion cyclotron resonance in dense plasma with hot electrons. L. V. Dubovoi, V. D. Dyalov, V. P. Fedukov. *Pis'ma v red. Zhur. ekspt. i teoret. fiz.* 4 no. 10 186-189 N '66.
- Magnetosonic waves in a rarefied plasma. K. M. Stepanov. *Ukr. fiz. zhur.* 4 no. 5:676-679 S-O '66.
- Possibility to study the pinch-discharge from atmospheric self-ignition. V. M. Likhachev, M. S. Rabinovich, V. M. Sutyagin. *Pis'ma v red. Zhur. ekspt. i teoret. fiz.* 5 no. 2:55-57 Ja '67.
- Rate of nuclear reactions in dense media. Z. I. Selezneva. *Trudy Shem. astrofiz. obsch.* 3:25-39 '61.
- Six-electrode arc plasmatron. F. G. Rutberg, A. A. Kiselev, V. A. Dolin. *Teplofiz. vys. temp.* 1 no. 6: 886-897 N-D '66.
- Studying the discharge plasma in helium and argon discharges with cesium and potassium vapors. Part 1. N. D. Morgulis, I. N. Polushkin. *Teplofiz. vys. temp.* 1 no. 6:745-752 N-D '66.

## PLASMA (IONIZED GASES)--ELECTRIC PROPERTIES

- Maximum conductivity of the multi-component mixture of ionized gases. M. A. Alievskii, R. V. Rudchenko. *Teplofiz. vys. temp.* 4 no. 6:760-767 N-D '66.
- Waveguide method of measuring the electric characteristics of a plasma produced beyond the shock wave front. V. V. Krylov, I. U. Tumanov. *Teplofiz. vys. temp.* 4 no. 6:768-776 N-D '66.

## PLASMA (IONIZED GASES)--MEASUREMENT

- Microcalorimeter for measuring the spatial distribution of the energy density in a particle stream. V. M. Mikhlin, V. A. Veshchenko. *Teplofiz. vys. temp.* 4 no. 6:881-885 N-D '66.

## PLASMA (IONIZED GASES)--SPECTRA

- Production and spectroscopic study of plane-parallel asymmetric plasma layer of pulse discharge with wide temperature range. V. A. Bondar', L. I. Kiselevskii. *Zhur. prikl. spekt.* 5 no. 5:558-573 N '66.

## PLASMA JETS--SPECTRA

- Some characteristics of matter entering plasma and excitation of its spectra under laser radiation. A. I. Koruchikov, A. A. Ivanovskii. *Zhur. prikl. spekt.* 5 no. 5:586-594 N '66.

## PLASMA OSCILLATIONS

- Generation of collisionless shock waves propagating in a magnetic field. I. U. Nesterikhin, A. G. Panovskii. *B. A. Iabochnikov. Pis'ma v red. Zhur. ekspt. i teoret. fiz.* 4 no. 10:403-409 N '66.
- Stability of transverse oscillations in the quasi-uniform flow of a conducting gas. E. V. Artyushkov. *Teplofiz. vys. temp.* 4 no. 6 776-785 N-D '66.
- Waves and noises in a positive column plasma at low pressure. A. A. Zaitsev, B. N. Sivilkina. *Dokl. AN SSSR* 172 no. 3:555-560 Ja '67.

## PLASMODIUM see subdivision under Krainovskiy Territory

## PLASTIC BEARINGS

- Metal polymer antifriction material for manufacture of screw bushings operating in conditions of dry friction. A. A. Kokorov, N. S. Zorina, I. U. P. Svidlov. *Plast. massy* 6 no. 12:21-26 D '66.
- Sliding bearings made of ACF-T plastic and their applications. V. G. Tverdokhlebov, N. F. Kur'min. *Vopr. mashinostro.* 47 no. 1:45-47 Ja '67.
- Sliding bearings made of metal reinforced plastics. V. A. Shubin. *Mashinostroitel'* no. 1:19 Ja '67.

## PLASTIC BEARINGS--TESTING

- Study of the antifriction properties of plastics under the operating conditions of ship propeller shaft bearings. V. A. Buzkov. *Dop. AN URSS* no. 7:901-905 '62.

## PLASTIC FILMS

- In the Scientific Technological Society of the Light Industry. I. D. Lifshits, G. I. Shlykova. *Koza. shch. prom.* 8 no. 12:34-35 D '66.
- Packaging and storage of beef in plastic films. H. I. Smol'skii, P. I. Pugachev, V. M. Beliaev. *Khol. tekhn.* 43 no. 11:37-40 N '66.
- Study of the aging of plastics in Solonchak soils. V. F. Negretov, G. A. Alakhevdev. *Trudy Inst. khim. AN Azerb. SSR* 20:100-126 '61.

## PLASTIC FOAMS

Buoys from foam plastic wastes. I. S. Khomka. Ryb. prom. no. 53:14-17 '60.  
Determination of surplus pressure during the foaming of polymer compositions. G. A. Hulakov, V. A. Popov, M. G. Mikhaleva. Plast. massy no. 1:60-71 '67.

## PLASTIC FOAMS—MOLDING

Use of high-frequency heating in the molding of articles from polystyrene foam. T. A. Shelina. Plast. massy no. 1:35-36 '67.

## PLASTIC FOAMS—THERMAL PROPERTIES

Effect of mechanical stress on the softening temperature of foamed materials. P. I. Salvetsov, I. U. N. Poljakov. Plast. massy no. 1:47-49 '67.

## PLASTIC PIPE see Pipe, Plastic

## PLASTIC SURGERY see Surgery, Plastic

## PLASTICITY

Design a ring-shaped elliptic plate for minimum weight. I. G. Shumilov. Izv. AN Azerb. SSR Ser. fiz.-tekh. i mat. nauk no. 4:23-27 '66.  
Method for studying propagation of plastic deformation under dynamic loading. V. P. Sevdanko, R. L. Rytkovitch. Dokl. AN BSSR no. 11:817-818 '66.  
Parity of the components of the stress vector functional in the theory of plasticity. V. I. Malys. Vest. Moskov. Ser. Mat. mekh. 21 no. 6:80-84 N-D '66.  
Stability of a cylindrical ring reinforced by a flexible cable. G. G. Aliev. Izv. AN Azerb. SSR Ser. fiz.-tekh. i mat. nauk no. 4:35-36 '66.

## PLASTICS

Choosing synthetic glues for fastening decorative and finishing plastics. V. M. Khulev. Stroi. mat. 7 no. 11, 38-39 N '61.  
New plastifier and the determination of the effectiveness of their use. V. Ioffe. Inform. biul. VDNKII no. 12:4-7 D '66.

## PLASTICS—ECONOMIC ASPECTS

New plastics and the determination of the effectiveness of their use. V. Ioffe. Inform. biul. VDNKII no. 11:5-7 Ja '67.

## PLASTICS—MOLDING

Manufacturing and using plastic conveyor rollers. A. Kh. Gensler, B. P. Dmitriyev, A. A. Roznichenko. Biul. tekh.-ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:10-11 N '66.  
Molding hollow and solid parts of granulated and powdered plastics. A. M. Skharuk. Biul. tekh.-ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:6-9 N '66.  
Producing plastic profiles. V. M. Andreonko, V. I. Nikolaev. Biul. tekh.-ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:7-8 N '66.

## PLASTICS—TESTING

Effect of the composition of plastics on their wear resistance. S. B. Ratner, I. I. Farkhova. Plast. massy no. 1:64-67 '67.  
Tensile and compression strength limits of the JKF plastics. B. S. Shulginov. Tekhn. i org. proizv. no. 6:11-12 N-D '66.

## PLASTICS IN BUILDING

(see also subdivision under Leningrad)  
Green light to polymers! N. Sidorova, V. Storozhenko. Inform. biul. VDNKII no. 11:9-22 Ja '67.  
Plastic wall facing. E. Zagorcheva, L. Temelkova. Na stroi. Rus. 7 no. 12:27 D '66.  
Plastics in building abroad. C. V. Paparigopolu, V. A. Vasiliev. Stroi. i arkhit. Lau. 28 no. 12:21-25 D '66.

## PLASTICS IN MEDICINE

Allioplasty of recurrent hernias with polychlorvinyl. A. V. Pokrovskii, I. U. Z. Kreindlin. Khirurgiya 38 no. 1:97-100 N '62.  
Use of plastics in pharmacy. H. A. Valsman and others. Farmats. zhur. 17 no. 2:13-19 '62.

## PLASTICS IN THE FOOD INDUSTRY

Testing polymer materials for the packaging of food concentrates. L. A. Gurova, M. I. Viskikh, A. O. Kopina. Kons. i ev. prom. 21 no. 12:14-17 D '66.

## PLASTICS IN THE MACHINERY INDUSTRY

Bushes reinforced with plastics. N. V. Shopovskii, I. A. Movshovitch. Mashinostroi. no. 1:17 Ja '67.  
Economic effectiveness of using polymers in repair work. V. Romanov. Tekhn. v sel'khoz. 27 no. 1:60-61 '67.  
Manufacturing technological equipment of TLK-E plastics. M. I. Nudel'man. Biul. tekh.-ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:23-25 N '66.

Technological characteristics of manufacturing parts of chemical pumps from RST-phenolite. K. A. Moskatov, L. F. Gurgor'ev. Khim. i eff. khoz. no. 12:28-30 D '66.

## PLASTICS IN THE SHOE INDUSTRY

Bernstein, M. Kh. [Thermoplastic material for shoe counters and toe boxes] Termoplasticheskiy material dlya zadnikov i podnoskov obuvi, uchebnoe posobie. Moskva, Legkaya Industriya, 1955. 34 p.

## [MICROFILM]

Bukanov, E. L. and B. A. Krasnov. [Heels and heel taps made of polymers] Kablyuki i rabotki iz polimerov. Moskva, Vses. zaochnyi in-t tekhn. i legkol. promyshl., 1965. 50 p.

## [MICROFILM]

## PLASTICS MACHINERY

Equipment for reprocessing plastic wastes. I. S. Averbukh. Mashinostroi. no. 1:41 Ja '67.  
Unit for casting capron. V. I. Stupnikov. Biul. tekh.-ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:44-45 N '66.  
Unit for die casting of capron parts. G. B. Sutovskii, I. U. V. Altunian. Biul. tekh.-ekon. Inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:45-47 N '66.

## PLATE TOWERS

Calculation of the process of dissolution of solid particles in a bubble-type tower. V. I. Ermakov, A. N. Planovskii, Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5: 945-946 '66.  
Efficiency of the bubble-cap plates of furfural rectifying columns. Report No. 1: Effect of the bubbling depth. A. S. Dovedova, I. U. A. Tshirina. Sbor. trud. NIOS 14: 132-141 '65.  
Performance of downcomerless grid plates in the removal of hydrogen sulfide from gases by the arsenic-soda method. I. U. I. Dytnerskii and others. Koks i khim. no. 7:31-37 '62.

## PLATES (ENGINEERING)

Calculating elastically creeping girder plates supported by an elastically creeping foundation. T. Shtrinkulov. Izv. AN Uz. SSR. Ser. fiz.-tekh. nauk 10 no. 6:38-42 '66.

## PLATES (ENGINEERING)—VIBRATION

Considering inertia of elastic foundation beds in problems on forced vibration of plates and beams. A. S. Iakovlev. Stroi. mekh. i rasch. soor. 9 no. 1:34-38 '67.

## PLATES, IRON AND STEEL

Rolling of plates of KhN67VMTU alloy. A. I. Grishkov and others. Sbor. trud. TSNICIM no. 44:117-121 '65.

## PLATES, IRON AND STEEL, EFFECT OF TEMPERATURE ON

Thermal stresses in plates subjected to the effect of periodic variations of heat. Report No. 1. N. I. Allovov, I. S. Reshetniak, N. I. Tails. Izv. vys. ucheb. zav., khim. i met. 10 no. 1:175-178 '67.

## PLATINUM

Effect of small amounts of added platinum on the catalytic activity of vanadium pentoxide in hydrogen oxidation. N. I. Dichenko, V. A. Iuzva, V. A. Rolter. Dokl. AN SSSR 172 no. 1:133-136 Ja '67.

## PLATINUM-COBALT ALLOYS see Cobalt-platinum alloys

## PLATINUM COMPOUNDS

Nitrosodichloramine compounds of tetravalent platinum. L. A. Nazarova and others. Zhur. neorg. khim. 12 no. 1:137-147 '67.  
Nitrosodichloramine compounds of platinum. L. A. Nazarova, I. I. Chernitsaev, A. N. Kolesnikova. Zhur. neorg. khim. 12 no. 1:217-279 Ja '67.  
Substitution reactions in diacetyldiamine complexes of Pt, H. V. M. Shul'man, R. L. Shebekachukhina, B. I. Peshechitskii. Zhur. neorg. khim. 12 no. 1:261-263 Ja '67.

## PLATINUM COMPOUNDS—OPTICAL PROPERTIES

Optical properties of platinumcyanide compounds. Part 5: Luminescence of solutions frozen in porous glasses. N. A. Tolstol, A. M. Tkachuk. Opt. i spekt. 21 no. 5: 553-563 N '66.

## PLATINUM COMPOUNDS—SOLUBILITY

Solubility of isomeric platodiamines in water. A. A. Grinberg, A. I. Dobrobovskaia. Zhur. neorg. khim. 12 no. 1:276-277 Ja '67.

## PLATINUM ELECTRODES see Electrodes, Platinum

## PLAYS FOR CHILDREN see Children's plays

## PLETHYSMOGRAPHY

Characteristics of regional blood circulation in diseases of the internal carotid artery; plethysmographic data. Kh. Kh. Ibrullin. Zhur. nevr. i psikh. 62 no. 11:1630-1634 '62.  
Plethysmographic observations in tonsillogenic intoxication. R. S. Ivanov. Trudy LPMI 37:57-64 '65.

Some modifications of the method of volume plethysmography to increase precision in recording blood flow. V. I. Tykhovskii. Fiziol. zhur. 52 no. 12:1491-1494 D '66.

Use of air plethysmograph for recording speech-respiration. A. A. Zerasimov and others. Fiziol. zhur. 52 no. 12:1494-1497 D '66.

## PLEURA—DISEASES

Treatment of acute empyema of the pleural cavity. V. S. Pomelov, N. M. Isaev. Sov. med. 29 no. 11:37-42 N '66.

## PLEURA—RADIOGRAPHY

Significance of D. A. Sokolov's work on the problem of the upper line of dullness in exudative pleurisy. G. A. Dastkants. Sbor. nauch. i trud. SOGMI no. 10:186-187 '61.

## PLEURISY

Differential diagnosis of the shadow of the thymus gland and antecostal pericardial pleurisy in children. C. B. Bilum. Vest. rent. i rad. 11 no. 6:24-29 N-D '66.

Significance of D. A. Sokolov's work on the problem of the upper line of dullness in exudative pleurisy. G. A. Dastkants. Sbor. nauch. i trud. SOGMI no. 10:186-187 '61.

Treatment of encapsulated pleurisy and chronic adhesive compressive pericarditis simultaneously with pleurectomy and subtotal pericardectomy. A. N. Kabanov, I. U. I. Blau, G. L. Feofilov. Gud. khir. 9 no. 1:67-91 Ja '67.

## PLOWING

(see also subdivision under Irkutsk Province; Soviet Far East)

Characteristics of the structure of soils and changes in the physical properties of soils with excessive moisture after plowing. E. V. Kostyleva. Sbor. nauch.-issl. rab. po les. khoz. no. 6:228-247 '63.

Equilibrium of a plow in the horizontal plane. G. N. Sinekov. Trakt. i sel'khoz. mash. 30 no. 3:24-27 Mr '60.

Roll plowing for erosion control in eroded soils. G. A. Cherenov. Vest. sel'khoz. nauk 11 no. 12:8-12 D '66.  
Hydraulic regulator of tractor trailing weight. V. Kas'lanenko. Tekhn. v sel'khoz. 21 no. 12:69-70 D '61.

Increase the delivery of plow bases to areas where mouldboardless plowing operations are conducted. A. Maretskii. Tekhn. v sel'khoz. 21 no. 12:79-80 D '61.

## PLOWS

Agrrotechnical qualities of the free suspension of a plow. A. I. Gieskii, I. E. Popov. Dokl. Akad. sel'khoz. nauk no. 9:44-47 S '66.

Equilibrium of a plow in the horizontal plane. G. N. Sinekov. Trakt. i sel'khoz. mash. 30 no. 3:24-27 Mr '60.

Studying the strength of the frame of the semimounted six-bottom plow attached to the T-4 tractor. V. I. Korshakov. Trakt. i sel'khoz. mash. no. 1:17-19 Ja '67.

## PLOWS—TRANSPORTATION

Improved method for distributing agricultural machinery. M. D. Cherdak. Trakt. i sel'khoz. mash. 30 no. 3:43 Mr '60.

## PLUM—VARIETIES see subdivision under Georgia

## PLUMB-LINE DEFLECTIONS

Using optical plumb lines in laying out axes of a building. G. Zolnikov, T. Chmchian. Prom. stroi. i inzh. soor. 8 no. 6:22-23 N-D '66.

## PLUTARCH

Characteristics of the literary form of Plutarch's "Vitae parallelae." S. S. Averinisev. Vest. drev. ist. no. 4:68-80 '66.

## PLUTONIUM—SPECTRA

Gamma-radiation from <sup>239</sup>Pu in 300-450 kev. energy range. V. V. Berdikov and others. Izv. AN SSSR. Ser. fiz. 31 no. 1:185-189 Ja '67.

## PLUTONIUM COMPOUNDS

Phosphate compounds of hexavalent plutonium. R. O. Denotkina, V. B. Shevchenko. Zhur. neorg. khim. 12 no. 1:87-92 Ja '67.

## PLUTONIUM SULFATES—SOLUBILITY

Solubility of plutonium (IV) sulfates in sulfuric acid solutions. M. E. Pozharskaya and others. Radiokhimiya no. 6:715-717 '66.

## PLYWOOD—DRYING

Mukit, E. A. and others. [Improving the ventilation systems of roller dryers at plywood enterprises] Usovershenshtvovanie sistem ventilatsii rollovyykh sushilo-kamernykh predpriyatiy. Riga, 1966. 8 p. (Doklady vobrazhatyatsushchaya i bumazhnaya promyshlennost')

## PNEUMATIC CONTROL

Designing pneumatic logical systems in the machinery industry. E. V. Gaitis, V. P. Zinchenko, G. V. Pricin. Vest. mashinost. 47 no. 11:16-20 Ja '67

Program-controlled pneumatic springless drive. V. I. Gribanin. Biol. tekhn. - ekon. inform. Gos. nauch. - issled. inst. nauch. i tekhn. inform. 19 no. 11:27-30 N '66

## PNEUMATIC CONVEYING

Automatic control and regulation of pneumatic conveying machinery. B. Makimchuk, A. Zhuravlev, N. Strizkov. Mekh. - ef. prom. 26 no. 4:14-21 Ap '60

Pneumatic conveying coarse grained materials in a dense layer. A. M. Gasparian, R. M. Muzakhrman, Izv. AN Arm. SSR Ser. tekhn. nauk. 19 no. 6:18-51 '66

Pneumatic conveying of keramzit. I. Sychev. Na stroit. Ros. 4 no. 3:9 Mi '63

Pneumatic conveying of stepped small rollers in an automatic line. L. P. Andriev, K. B. Bulgakov. Tekhn. mashinost. no. 12-7 '66

Relation between intensity of the wear of pipe elbow and the flow rate in pneumatic conveying. M. T. Dogin, M. P. Kuchina, A. V. Stoyovtsov. Izv. v.ys. ucheb. zav., Chern. met. 10 no. 1:190-191 '67

Resistance of bends during pneumatic transportation of suspended peat. V. M. Ponomarev. Porf. prom. 43 no. 8:17-19 '66

## PNEUMATIC MACHINERY—MAINTENANCE AND REPAIR

Ways of increasing service life of pneumatic mining machines and mechanisms. G. T. Lyankovoi. Izv. v.ys. ucheb. zav., gor. zhut. 8 no. 9:89-91 '65

## PNEUMATIC MACHINERY—SHOCK ABSORBERS

Conditions for efficient vibration reduction in air drill hammers with unambiguous vibration inertia dampers. V. V. Iushin, B. G. Boydul. Izv. v.ys. ucheb. zav., gor. zhut. 10 no. 1:88-92 '67

## PNEUMATIC TOOLS

Babuk, V. B., I. M. Stoiachuk, and P. O. Chernenko. [Pneumatic tools of a repairman-mechanician] Pneumoinstrument remountnika-mekhanizatora. Kyiv, Urozhai, 1966, 132 p., (Ukrainian) (Ukrainian)

## PNEUMATIC TUBE TRANSPORTATION

Pneumatic transportation of concrete in industrial construction. V. V. Dukusar, S. Kh. Fridental. Prom. stroit. 39 no. 12:12-15 '61

## PNEUMOENCEPHALOGRAPHY

Pneumoencephalographic studies of late traumatic psychoses. F. N. Mikhova. [Trudy] GIDU no. 1:132-144 '62

## PNEUMOGASTRIC NERVE see Vagus nerve

## PNEUMONIA

Acute pneumonias following corticosteroid therapy. G. T. Shul'tsev. Sov. med. 30 no. 1:35-40 Ja '67

Basic errors in the diagnosis of acute pneumonias. A. G. Dembo, R. D. Dibner. Sov. med. 30 no. 1:59-64 Ja '67

Meningococci detected in staphylococcal pneumonia. Vest. rent. i rad. 11 no. 6:81-83 N-D '66

Non-specific reactions of the pulmonary system in chronic inflammatory processes of the lung. P. S. Razin. Arkh. pat. 28 no. 12:30-34 '66

Pneumonias in the period of influenza epidemics, January-February 1965. E. N. Artem'ev, T. M. Romanova. Sov. med. 29 no. 11:42-17 N '66

## PNEUMOTHORAX

Changes in the blood system during terminal states of the organism caused by a pleuropulmonary shock. Sh. S. Machavariani. Sob. AN Gruz. SSR. 27 no. 2:17-223 Ag '61

Pneumothorax as a complication of tracheotomy and its prevention. V. S. Lende, Zhur. ush., nos. i gorl. bol. 19 no. 6:68-71 N-D '59

Spontaneous pneumothorax in a child with a foreign body in the bronchus. A. C. Brun'ko. Zhur. ush., nos. i gorl. bol. 19 no. 6:76-77 N-D '59

## POCHAYEV MONASTERY—FASTS AND FEASTS

Festivities at the Pochayev Monastery. Igumen Veniamin. Zhur. Mosk. Pair. no. 12:38-39 '66

## PODZOL

(see also subdivision under Murmansk Province; Soviet Far East; White Russia)

Let's improve the fertility of turf-podzolic soils. V. T. Makarov. Zemledolie 8 no. 4:21-24 Ap '60

## POETICS

Problems of linguistic poetics. V. P. Orlov. Izv. AN SSSR, Ser. lit. i jaz. 25 no. 8:499-499 N-D '66

Some remarks on the phonological structure of Polish verse. D. M. Segal. Sov. slov. no. 1:65-69 '67

## POETRY—HISTORY AND CRITICISM

Lyubuk, P. P. [The bard of new brotherhood] Spivots' bratstva novoho. Kyiv, Znannya, 1966, 62 p., (C&OTU)

## POISONING

Plethysmographic observations in toxicogenic intoxication. R. S. Kanov. Trudy LPMI 37:57-61 '65

## POISONS

Periodic mixing of components in the manufacture of chemical poisons in a mixer with fluidized bed. A. G. Tomichov, V. D. Gvozdev. Izv. v.ys. ucheb. zav., khim. i khim. tekhn. 8 no. 5:831-835 '66

## POKROVSKII, BORIS ALEKSANDROVICH, 1912-

Chudnovskii, M. A. [A director produces an opera, the creative path of B. A. Pokrovskii, people's artist of the U.S.S.R.] Rezhisser stavit operu, lyucheskii put' narodnogo artista SSSR B. A. Pokrovskogo. Moskva, Iskusstvo, 1967, 234 p.

## POLAND—BAKING—RESEARCH

Work of the scientific research institutes of the baking industry of socialist countries. N. E. Morozov. Khleb i kond. prom. 11 no. 1:9-9 Ja '67

## POLAND—CHEMICAL INDUSTRIES

Organization of the supply of chemical and rubber goods in Poland. I. Kozubek, M. Bragunskii. Mat. - tekhn. snabzhen. 1 no. 1:87-91 Q '66

## POLAND—COMMERCE

Polish trade with capitalist countries. V. V. Vavskina. Vnesh. tovg. 45 no. 12:11-13 '66

## POLAND—EDUCATIONAL RESEARCH

Long-range research plans of the departments of the Institute of Pedagogical Sciences of Warsaw University. Sov. pedagog. 31 no. 1:158 Ja '67

## POLAND—GEODESY—STUDY AND TEACHING

Teaching geodesy in nongovernmental departments of institutions of higher learning in the Polish People's Republic. N. I. Mudrinski. Izv. v.ys. ucheb. zav., geod. i aerof. no. 6:141-147 '62

## POLAND—HISTORY

Ripets'kii, Stepan. [Ukrainian-Polish case before the court of world public opinion] Ukrains'ko-pol'skii protses 1918-1923 pered svylovym trybunalom. New York, Ukr. publ.istaystetchno-nauk. int., 1963, 38 p., (in U)

Stetskevich, S. M. [The labor movement in Poland in 1918 and 1919 (October 1918-July 1919)] Rabochee dvizhenie v Pol'she v 1918-1919 godakh (nolabr' 1918-Iiul' 1919 goda). [Leningrad] Izd-vo Leningr. univ., 1966, 263 p.

## POLAND—HISTORY—SOURCES

The Kosice Privilege of 1374. K. E. Livan'sev. Vest. LGU 21 no. 2:128-133 '66

## POLAND—JUSTICE, ADMINISTRATION OF

Extending the public participation in administration of justice in the Polish People's Republic. A. Makimenko. Sov. iust. 31 no. 3:26-27 T '67

## POLAND—LABOR AND LABORING CLASSES

Stetskevich, S. M. [The labor movement in Poland in 1918 and 1919 (October 1918-July 1919)] Rabochee dvizhenie v Pol'she v 1918-1919 godakh (nolabr' 1918-Iiul' 1919 goda). [Leningrad] Izd-vo Leningr. univ., 1966, 263 p.

## POLAND—POSTAGE STAMPS

Polish stamps. Knizh. tovg. 38 no. 1:54 Ja '67

## POLAND—RADIOLOGY, MEDICAL—CONGRESSES

23d Congress of Roentgenologists and Radiologists of Poland. I. A. Poroslegin. Med. iad. 11 no. 12:85-88 D '66

## POLAND—RELATIONS (GENERAL) WITH WHITE RUSSIA

Polish scientists and scholars have visited the White Russian Academy of Sciences. V. F. Charnikava. Vest. AN BSSR. Ser. kram. nav. no. 4:136 '66

## POLAND—RUBBER INDUSTRY

Organization of the supply of chemical and rubber goods in Poland. I. Kozubek, M. Bragunskii. Mat. - tekhn. snabzhen. 1 no. 4:87-91 Q '66

## POLAND—SEISMOLOGY

From the history of the study of earthquakes in Poland. I. V. Datsushkova. Trudy Inst. ist. col. i tekhn. 42:228-240 '62

## POLAND—SILOS—DESIGN AND CONSTRUCTION

Designs for silos in Poland. V. Stakhurskii, M. Frankovich. Bel. i zhele. - bel. 12 no. 11:38-45 N '66

## POLAND—SOCIOLOGY

Sociology and people's Poland. S. Epstein. Nov. mir. 36 no. 12:200-277 D '62

## POLAND—STONE AGE

Principles of the stratigraphy and cultural periodization of the Paleolithic in Poland. L. L. Savitskii. Trudy Kom. chetv. per. 18:22-27 '61

## POLAND—WORLD WAR, 1939-1945

Boldy, resolutely. L. Salykov. Voenn. vest. 11 no. 6:22 Je '61

## POLAND—WORLD WAR, 1939-1945—CAMPAIGNS

Across the Vistula. V. Chukov, Voenn. vest. 41 no. 6:15-20 Je '61

## POLAR REGIONS—GEOLOGY—BIBLIOGRAPHY

Bibliography on geology and minerals of the Arctic and Antarctic. Inform. biul. NIIGA no. 15:82-111 '59

## POLARITY (BIOLOGY)

Polarity and heterosis in plants. G. Kh. Molotkovskii. Vest. dal'nokhoz. nauk. 11 no. 11:28-31 '66

## POLARIZATION (ELECTRICITY)

Dissolution of smooth platinum when polarized in acid solutions. A. N. Chemozanov and others. Dokl. AN SSSR 171 no. 6:1304-1307 T '66

Photoelectric state in silicon with radiation defects. A. B. Gerasimov and others. Fiz. tver. tela 0 no. 11:3226-3231 N '66

Scattering of kilovolt neutrons by lead and the electric polarizability of a neutron. I. A. Alchanshchikov and others. Fiz. v.ved. Zhur. eksp. i teoret. fiz. 1 no. 5:196-200 S '66

## POLARIZATION (ELECTRICITY)—PHYSIOLOGICAL EFFECT

Effect of the anode of direct intermittent current on the process of regenerative regeneration in a skeletal muscle. L. P. Tikhova, N. I. Langel. Biulet. eksp. i teoret. fiz. 69 no. 1:71-74 Ja '67

## POLARIZATION (LIGHT)

Self-focusing of light due to the Kerr effect. A. A. Likhachev. Fiz. v.ved. Zhur. eksp. i teoret. fiz. 5 no. 2:61-65 Ja '67

## POLARIZATION (NUCLEAR PHYSICS)

Circular polarization of  $\gamma$ -quanta in Ta<sup>181</sup>. V. M. Loshakov and others. Fiz. v.ved. Zhur. eksp. i teoret. fiz. 5 no. 2:73-75 Ja '67

Variational calculation of F-center polarizability in alkali-halide crystals (point lattice approximation). M. N. Adamov, E. M. Ledovskaya, T. K. Rebnova. Fiz. tver. tela 0 no. 6:13173-3176 N '66

## POLAROGRAPHY

Determination of cadmium and lead in germanium dioxides by means of amalgam polarography with storage. A. I. Kamenev, E. N. Vinogradova, V. N. Pignarova. Vest. Mosk. univ. Ser. 2: Khim. 21 no. 6:113-115 N-D '66

Determination of calcium by differential polarography using an ovalate ion wave. I. K. Dellamaria, V. D. Skovet, Dop. AN URSR no. 7:928-931 '67

Nature of drop down curves on polarographic and cathodic hydrogen waves in nonbuffer solutions of pyridine and its homologs. M. K. Poltevtov, S. G. Matamovskii. Elektrokhimiya 2 no. 12:1467-1491 D '66

Polarographic behavior of some  $\alpha$ ,  $\beta$ -unsaturated aldehydes. B. A. Arbuov, F. A. Bordinov. Dokl. AN SSSR 171 no. 4:660-669 D '66

Polarographic determination of lead microcontent in soils. A. A. Sakharov. Pochvovedenie no. 1:107-110 Ja '67

Polarographic study of kinetics of fast photocatalytic reactions in water-dioxane solutions. V. O. Gult'fat, S. G. Matamovskii. Elektrokhimiya 2 no. 12:1414-1419 D '66

Possibility of determining small amounts of cobalt in amalgam polarography with storage. E. N. Vinogradova, G. V. Prokhorova, G. S. Bukina. Vest. Mosk. univ. Ser. 2: Khim. 21 no. 6:101-104 N-D '66

Structure and reactivity of nitrogen-containing derivatives of carbonyl compounds. Rept. no. 16: Polarografiya i study of nicotinic hydrazide and some nicotinic hydrazones. I. U. P. Kiselev, G. K. Badnikov. Izv. AN SSSR Ser. khim. no. 1:17-22 Ja '67

## POLARONS

Diamagnetism of bound polarons. I. U. E. Porlin. Sb. iz. Gilefman. Fiz. tver. tela 8 no. 11:3321-3331 N '66

## POLESYE—ORIBATIDAE

Oribatid mites in rodent burrows of White Russian Polesye. I. V. Chykhouskaya. Vest. AN BSSR. Ser. biol. nav. no. 3:110-114 '66

## POLESYE—PARASITES—RODENTS

Oribatid mites in rodent burrows of White Russian Polesye. I. V. Chykhouskaya. Vest. AN BSSR. Ser. biol. nav. no. 3:110-114 '66

## POLESYE—STONE AGE

Paleolithic in the Ukrainian Polesye. I. G. Pridoplykha, I. G. Shovkoplias. Trudy Kom. chetv. per. 18:75-86 '61

## POLICE

Dashkin, A. V., and I. V. Kuznetsov. [A talk not entered into the minutes] Razgovor bez protokola. Leningrad, Ob-vo "Znanie" RSFSR Leningr. organizatsiya, 1966, 31 p.

Liability for the unlawful acts of policemen. N. G. Malin. Sov. gos. i pravo no. 1:131-132 Ja '67

## POLISH LANGUAGE—PHONOLOGY

Some remarks on the phonological structure of Polish verse. D. M. Segal. *Sov. slav. no. 1:65-69 '67.*

## POLISH LANGUAGE—SENTENCES

**Strukovskii, S. I.** [Indefinite-personal sentences in the Russian and Polish languages.] Neopredelennno-lichnye predlozheniia v russkom i pol'skomazyakh. Nauch. rukovoditel' T. P. Lomtev. [Moskva] Izd-vo Mosk. univ., 1966. 27 p. (CAOTU)

## POLISH PERIODICALS

"Continents" or something of interest to everyone. V. Shvaka-Shchegoleva. *Ar i Afri seg. 10 no. 1:53 Ja '67.*

## POLISH STUDIES

A session devoted to the millennium of the Polish state. L. K. *Sov. slav. no. 1:110-113 '67.*

## POLISHING WHEELS

Machin. for rolling welded joints. D. M. Petrov. *Mashinostroitel' no. 1:45 Ja '67.*

## POLITICAL SCIENCE

Division of powers or the division of work? IU. A. Tikhomirov. *Sov. pr. i pravo no. 1:14-22 Ja '67.*

## POLITICAL SCIENCE—DICTIONARIES

**Basin, O. A., ed.** [Political dictionary] Politicheskii slovar'. Moskva, Kniga, 1964. 387 p. (CAABU)

## POLITYKO, GEORGH

Georgii Polityko's first book "Comrade Officers." A. Vinchenko. *V mits knig 6 no. 6:31 Je '66.*

## POLLEN

Biology of tulip pollen. V. P. Pechenitsyn. *Nauch. trudy TashGU no. 210:173-111 '62.*

Development of the pollen grains of Helichiae and their relation with Nymphaeaceae. N. H. Meier. *Ist. zhur. 51 no. 12:1736-1740 '66.*

Pollen quality of introduced woody plants. L. U. Kromchanku. *Vestnik AN BSSR, Ser. biol. nov. no. 1:38-12 '67.*

**POLLIN—MORPHOLOGY** see subdivision under Tajikistan

## POLONIUM

Interaction of complex acids with oxygen-containing solvents. Part 7: Interaction of polonium bisulfite and lead with alcohols. A. S. Iushchenko, B. Z. Iofa. *Radiokhimiia no. 6:621-626 '66.*

## POLTAVA, BATTLE OF, 1709

[Battle of Poltava] Poltava'ska bitva. Kyiv, Derzh. vyd-vo Ukra. myslitel'stva i muz. lit-y URSS, 1960. 1 v. (chiefly illus.) (InU)

## POLTAVA PROVINCE—AGRICULTURE

We need the support of the members of the Komsomol. N. K. Iushchenko. *Mol. komm. no. 12:13-18 D '61.*

## POLTAVA PROVINCE—PHARMACY—EQUIPMENT AND SUPPLIES

Introduction of some efficiency propositions in the pharmaceutical establishments of Poltava Province. V. O. Kudachyn. *Izvestiya, zhur. 10 no. 3:72-73 '63.*

## POLTAVA PROVINCE—SALINE AND ALKALI SOILS

Sweet clover for salinized soils. M. T. Tikhonuk. *Zemledelie 20 no. 1:16-17 Ja '67.*

## POLYAMIDES

Synthesis and study of polyamides from glutaryl dichlorides and aromatic diamines. O. I. A. Fedotova and others. *Izv. vys. ucheb. zav. khim. i khim. tekhn. 11 no. 5:764-767 '66.*

## POLYETHYLENE

**Molchanov, I. U. M.** [Physical and mechanical properties of polyethylene, polypropylene and polyisobutylene, a handbook] Fizicheskie i mekhanicheskie svoystva polietilena, polipropilena i polizobutilena; spravochnik. Riga, Zinatne, 1966. 438 p.

Photochemical cross-linking of polyethylene in the presence of amine sensitizers. O. O. Kachan, H. V. Chernitskiy, V. O. Shubovych. *Dop. AN URSS no. 10:1312-1311 '66.*

Using polyethylene and capron parts in oil field gas compressor stations. M. D. Sokov. *Mash. i nef. obor. no. 11:32-33 '66.*

Using polyethylene sealing collars of rods in petroleum pipeline control valves. M. D. Sokov. *Nef. khim. 44 no. 12:56-57 D '66.*

**POLYHALITE—EFFECT ON PLANTS** see Plants, Effect of polyhalite on

## POLYMERIZATION

Dimerization of olefins under the effect of catalytic systems based on alkyl aluminum halides and nickel salts. V. Sh. Fel'dblum, N. V. Obshchakova, A. I. Leshchova. *Dokl. AN SSSR 172 no. 1:111-113 Ja '67.*

Effect of separate factors on the processes of acetylene dimerization. S. Kantadzhian, A. Sukasian. *Prom. Arm. 9 no. 11:51-51 '66.*

Electron paramagnetic resonance method of studying the kinetics of acrylic oligomer at advanced stages of polymerization. B. R. Smirnov, G. V. Korolev, A. A. Berlin. *Khim. ikht. 7 no. 6:989-994 N-D '66.*

Elementary acts of some polymerization processes. D. M. Shigin, V. A. Tulupov, V. G. Plotnikov. *Dokl. AN SSSR 172 no. 1:141-141 Ja '67.*

Polymerization of siloxanes on metal surface under the effect of glow discharge. B. V. Tkachuk, V. V. Bushin, N. P. Shchepankina. *Ukr. khim. zhur. 32 no. 11:1255-1257 '66.*

Polymerization of vinyl naphthalene compounds of tar from gas pyrolysis. I. U. G. Mamedaliev and others. *Dokl. AN Azerb. SSR 18 no. 3:17-20 '62.*

Polymers with a conjugation system. Report No. 58. Polymerization of phenylacetylene and properties of polymers based on it. A. A. Resin, M. I. Cherkashin, L. P. Chernysheva. *Izv. AN SSSR, Ser. khim. no. 1:55-61 Ja '67.*

Production and study of a graft copolymer of methacrylic acid and cellulose. Z. L. Zosim and others. *Burn. prom. no. 12:11 D '66.*

Progress in the field of interfacial polycondensation. T. M. Tuzne, V. V. Kuznetsov, L. V. Kozlov. *Usp. khim. 30 no. 5:603-624 My '61.*

Scattering of polarized light on large anisotropic particles. V. G. Baranov, Opt. i spekt. 21 no. 5, 610-618 N '66.

Telomerization of octamethylcyclotetrasiloxane with methyl-γ-trifluoropropylchlorosilane and tri-γ-trifluoropropylchlorosilane. V. A. Ponomarenko, N. M. Khomutova. *Izv. AN SSSR, Ser. khim. no. 12:2121-2128 '66.*

Thermographic method of studying the polymerization kinetics. A. G. Mikhaylov, V. G. Abramov, L. T. Abramova. *Dokl. AN SSSR 171 no. 4:901-904 D '66.*

## POLYMERS

(see also subdivision under As menta)

Combined effect of masticated rubber and Co60 gamma irradiation on carcinogenesis. S. I. Khramov, V. P. Pudasov. *Ned. rad. 11 no. 12:64-65 D '66.*

Effect of strain on sound velocity in polymeric fibers. O. Z. Hlovyk, M. U. Kuchynka. *Ukr. fiz. zhur. 11 no. 12:1364-1372 D '66.*

Effectiveness of stabilizers of polymethylacrylate under conditions of protracted aging. B. M. Kovaleva and others. *Plast. massy no. 1:43-45 '67.*

Factors from polymers, how should they be? V. V. Tokmakov, Stroi. i arkh. i en. 38 no. 6:22-23 Je '66.

Gradient dependence of the quenching angles and viscosity of polymer solutions. V. P. Budlov, N. D. Neselova, I. A. Steclina. *Vest. LGU 21 no. 2:69-75 '66.*

Plastic surgery on the anterior abdominal wall using paralon. I. S. Vasilchenko, S. N. Mikhedova. *Khirurgiya 38 no. 11:92-97 N '62.*

Problem of ordering of amorphous polymers. V. A. Kaigin and others. *Dokl. AN SSSR 167 no. 2:364-365 M '66.*

Properties of polymerized gypsum binding materials and articles based on them. G. S. Kogan, I. M. Tshinanov. *Stroi. mat. 7 no. 12:19-23 D '61.*

Studying the interaction of film formers with vivianite. S. N. Tolstain, S. A. Shahanova, A. B. Tshinanov. *Lakokras. mat. i kh. prim. no. 8:8-10 '66.*

Synthesis of highly basic monofunctional water-soluble polyelectrolytes. I. P. Losev, I. M. Khutleva. *Plast. massy no. 1:3-5 '67.*

Synthesis of polyesters and polyesteramides having space-network molecular structure. K. A. Andrianov, N. I. Tshomala, L. M. Khananashvili. *Izv. AN SSSR, Ser. khim. no. 1:159-161 Ja '67.*

Using polymer materials for the conservation of products of the machinery industry. T. N. Malina. *Tekhn. i org. proizv. no. 6:76-81 N-D '66.*

## POLYMERS—ELECTRIC PROPERTIES

Polymers as conductors. *Prom. Arm. 9 no. 11:81 '66.*

## POLYMERS—OPTICAL PROPERTIES

Use of spectropolarimetry in studying the structure of optically active polymers based on alkyl methacrylates and lactones. E. I. Khomutovskii and others. *Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:823-826 '66.*

## POLYMERS—THERMAL PROPERTIES

Dependence of the heat capacity of some polymers on temperature. A. N. Kaiaev. *Plast. massy no. 1:52-53 '67.*

## POLYMERS, EFFECT OF RADIATION ON

Aspects for reducing the toxicity of polymeric materials. V. D. Bartenev, L. A. Nikitina, Sudostroenie 55 no. 12:140-143 D '66.

## POLYMERS, EFFECT OF TEMPERATURE ON

Thermal oxidative destruction of triacene copolymers with diovalene. E. G. Shkurova and others. *Plast. massy no. 1:40-43 '67.*

## POLYMERS, HIGH see Macromolecular compounds

## POLYNOMIALS

Extreme properties of Faber polynomials for star-shaped continua. V. I. Kan. *Trudy TGU 182 71-85 '65.*

Finding the right-hand boundary of zeroes of an exponential polynomial. O. A. Dyshin. *Zhur. vych. mat. i mat. fiz. 7 no. 1:167-172 Ja-F '67.*

New form of Fourier series and selecting the best Fourier polynomials. A. L. Valadimov. *Zhur. vych. mat. i mat. fiz. 7 no. 1:177-183 Ja-F '67.*

Order of approximation along the axis of continuous functions by Hermite-Féjér interpolation polynomials. G. M. Gasanov. *Izv. Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk no. 1:6-15 '66.*

Polynomials with minor simple divisors. Part 2. N. A. Khmyrova. *Izv. AN SSSR, Ser. mat. 30 no. 6:1367-1372 '66.*

Range of values of polynomial expressions composed of coefficients of class S and  $\Sigma$  functions. L. A. Aleksandrov, V. G. Kochegurova. *Trudy TGU 175 39-19 '61.*

Relations between certain upper bounds in the theory of the summation of double interpolation polynomials and Fourier series. V. H. Ponomarenko. *Dop. AN URSS no. 7:843-845 '62.*

Schaeffer-Duffin's problem extended to finite functionals. M. A. Zinger. *Dokl. AN SSSR 172 no. 1:14-17 Ja '67.*

Some inequalities for algebraic polynomials and rational functions. D. I. Namedkhanov. *Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 5:9-15 '62.*

Some problems bearing on the approximation of functions by algebraic polynomials in an integral metric. V. P. Motornyi. *Dokl. AN SSSR 172 no. 3:537-540 Ja '67.*

Special functions of discrete argument of a symmetric potential. V. I. Alekseyev. *Dop. AN URSS no. 10:1250-1254 '66.*

Variant of Faber polynomials. V. I. Kan. *Trudy TGU 175:50-59 '61.*

## POLYOXYMETHYLENES

Study in the field of the crystallization of polyoxymethylene. O. V. Romankevich, A. V. Tsholin. *Izv. vys. ucheb. zav. tekhn. i tekhn. prom. no. 6:63-67 '66.*

**POLYPHASE ELECTRIC MOTORS** see Electric motors, Polyphase

## POLYPHENYLS

Absorption and luminescence of impurities in crystals of organic compounds at 20°K. Part 3. Naphthalene spectra in crystals of certain para-phenyls. A. V. Soloviov, Uki. fiz. zhur. 1 no. 5:615-628 '59.

## POLYPLDIDY

Selection of radioresistant diploid and autotetraploid forms of the buckwheat (*Fagopyrum esculentum* Moench). R. N. Platonova, V. V. Satharov. *Radiobiologiya 2 no. 4:595-600 '62.*

Trigold clone of aspen in forests of Novosibirsk Province. V. T. Bakulin. *Genetika no. 11:38-66 '66.*

## POLYPROPYLENE

**Molchanov, I. U. M.** [Physical and mechanical properties of polyethylene, polypropylene and polyisobutylene, a handbook] Fizicheskie i mekhanicheskie svoystva polietilena, polipropilena i polizobutilena; spravochnik. Riga, Zinatne, 1966. 438 p.

Relative effectiveness of thiophenols as stabilizers of polypropylene. F. M. Egidis, K. A. Zolotareva, P. I. Levin. *Plast. massy no. 1:72-73 '67.*

Stabilization of polypropylene with a mixture of carbon black and sulfidized ataxic polypropylene. A. A. Dontsov and others. *Plast. massy no. 1:8-10 '67.*

## POLYPROPYLENE, EFFECT OF RADIATION ON

Some problems of polypropylene radiochemistry. R. A. Veselovskii, S. S. Leshchenko, V. L. Kaipov. *Dokl. AN SSSR 167 no. 2:339-341 Mr '66.*

## POLYSACCHARIDES

Histochemical study of polysaccharides in mucous membrane of respiratory region of nasal cavity and polyps. Zh. A. Lopunova. *Arkh. anat. i gist. i embr. 51 no. 10:69-75 O '66.*

Histochemical study of polysaccharides in venom glands of snakes. A. M. Zakharov. *Arkh. anat. i gist. i embr. 51 no. 10:118-122 O '66.*

Hydrolysis of polysaccharides converted into a readily hydrolyzable state by mechanical and chemical treatment. N. V. Chalov, E. F. Gorachikh, V. I. Sharkov. *Sbor. trudy NIGS 14:166-179 '65.*

**PONDS** see subdivision under Caucasus, Northern

## PONTOON BRIDGES

Stability of floating supports with pneumatic ballast systems. A. V. Solovlev. *Transp. stroi. 18 no. 4:46-47 Ap '66.*



- POPLAR**  
(see also subdivision under Saratov Province)  
Manufacture of high-yield sulfite woodpulp from poplar  
I. Daut, I. Kobor, D. Herling. *Bum. prom.* 37 no. 5 3-6  
My '62
- POPLAR—DISEASE AND PEST RESISTANCE**  
Studying the resistance of the wood of poplars to the com-  
plex of soil-inhabiting pests. E. F. Churikova. *Lis-  
hosp.* 115, pap. 1 der. prom. no. 124-26 Ja-1 '67
- POPOV, ANDREI ALEKSANDROVICH, 1902-1900**  
In memory of Andrei Aleksandrovich Popov. *Sov. ein*  
no. 2 137-140. Mi-Ap '61
- POPOV, FEDOT ALEKSEEVICH**  
Did Fedot Popov teach the Kamchatka River? V. P.  
Kusov. *Vop. geog. kamech.* no. 4 94-100 '66
- POPOV, NIKOLAI FEDOROVICH, 1885-**  
Nikolai Fedorovich Popov: on the 50th anniversary of his  
work. *Fiziol. zhur.* 49 no. 3 385-386. Mi '63
- POPPY**  
Mechanization of operations in growing oilseed poppy.  
V. Ukrainets. *Tekhn. v sel'khoz.* 27 no. 114-16 '67
- POPULATION**  
Defining size of settlements in relation to municipal  
service system. A. Vladimirov. *Akhil. SSSR* no. 1.  
46-48 '67
- [Geography of the population and populated places of the  
U.S.S.R.] *Geografiya naseleniya i naselennykh punktov*  
SSSR. Leningrad, Nauka, 1967. 291 p.
- Valentel, D. I.** [The theory and policy of population.]  
Teoriya i politika narodonaseleniya. Moskva, Vysshaya  
shkola, 1967. 183 p.
- POPULATION—BIBLIOGRAPHY** see Bibliography—  
Population
- POPULATION RESEARCH**  
Is there a limit to the growth of population? Mankind and  
the resources of the earth. V. V. Pokshishevskii. *Fil-  
roda* no. 11-23 Ja '67
- PORCELAIN** see subdivision under Leningrad; Moscow,  
Moscow Province
- POROSITY**  
Method for determining the porosity of varnish coatings  
applied to wood. M. P. Gorenkov. *Izv. vys. ucheb. zav.*  
15. zhur. 9 no. 6 93-96 '66
- Porous structure of electrophoretic deposits [with sum-  
mary in English]. I. S. Lavrov. *Koll. zhur.* 23 no. 3:  
295-298. My-Je '61
- Preparation of ultraporous silica gels with internal  
porosity [with summary in English]. Z. Z. Vysotskii,  
M. V. Polnikov. *Koll. zhur.* 23 no. 3 255-256. My-Je  
'61
- Ultra- and microporosity of quartz crystals. A. S. Shur,  
I. U. N. Amufriev, N. T. El'kina. *Zap. Vses. min. ob-va* 95  
no. 6 743-748 '66
- POROSITY—TESTING**  
Checking the air-tightness of welded joints and base  
metal of a structure by GTI-3 and VACTI-4 leak detec-  
tors. V. I. Zaitsev, T. Ia. Ruleva. *Defektoskopiya* 2  
no. 6 50-58 '66
- POROUS MATERIALS**  
Law of viscoplastic body filtration through a porous  
medium [with summary in English]. A. M. Gutkin,  
Koll. zhur. 23 no. 3 350-351. My-Je '61
- POROUS MATERIALS—THERMAL PROPERTIES**  
Comparative evaluation of the heat conductivity of humid  
capillary porous materials at temperatures lower and  
higher than 0°C. N. V. Pak. *Inzh.-fiz. zhur.* 12 no. 1:  
68-71 Ja '67
- Thermophysical properties of a two-phase dispersed sys-  
tem saturated with different fluids. A. B. Verzhinskaya,  
R. Sh. Vainberg. *Inzh.-fiz. zhur.* 12 no. 1:30-42 Ja '67
- PORPHYRIES**  
Dacite porphyries as high quality raw material for the  
manufacture of acid-resistant ceramic materials. L. D.  
Mukhranelli. *Soob. AN Gruza.* 44 no. 3 611-617 D '66
- PORPHYRIN AND PORPHYRIN COMPOUNDS**  
Biosynthesis of porphyrins in developmental dynamics of  
Actinomyces olivaceus, producer of vitamin B<sub>12</sub>.  
V. M. Shaposhnikov, I. V. Konova, R. K. Rybakova,  
Dokl. AN SSSR 171 no. 6 1439-1442 D '66
- PORTRACAVAL ANASTOMOSIS**  
Immediate and late results of portacaval anastomosis.  
B. A. Petrov, E. I. Gal'perin, P. A. Ivanov. *Khirurgiya*  
42 no. 12 5-11 D '66
- PORTAL HYPERTENSION**  
Thromboembolic complications following operation for  
portal hypertension and their prevention by means of  
anticoagulants. S. G. Konukhov, V. A. Zhuraviev,  
Khirurgiya 42 no. 12 16-20 D '66
- PORTLAND CEMENT—STANDARDS**  
Standard for portland cement for the production of reses-  
tus cement articles. *Stroi. mat.* 7 no. 11 3 of cover  
N '61
- POSITRONS**  
Anomalous of positron annihilation in ionic crystals. V. I.  
Goldanskii, E. P. Prokopenko, P. S. Vied. *Zhurnal eksperi-  
mental'noy fiz.* 4 no. 10 122-123 N '66
- POSTAL CARDS**  
The first years of Soviet postcards. M. Pichkhadze.  
Knizh. toig. 18 no. 145-146 Ja '67
- POSTAGE STAMPS—CATALOGS**  
[Postage stamps of the People's Republic of Bulgaria,  
the Hungarian People's Republic, the German Demo-  
cratic Republic, the Polish People's Republic, the  
Socialist Republic of Rumania, and of the Czechoslovak  
Socialist Republic, a catalog.] *Pochtove marky Narodnoi*  
Respubliki Bolgarii, Vengarskoi Narodnoi Respubliki,  
Germanckoi Demokraticeskoi Respubliki, Pol'skoi  
Narodnoi Respubliki, Sotsialisticheskoi Respubliki  
Rumynii, Chexoslovatskoi Sotsialisticheskoi Respubliki,  
katalog. Moskva, Glav. Filatelistsheskaya kontora  
Soyuzpechat' M-va svyazi SSSR, 1966. 205 p. illus.
- POSTAGE STAMPS—COLLECTORS AND COLLECTING**  
ABC of philately. A. Sudakov. Knizh. toig. 17 no. 11:  
12-13 N '66
- For you, collectors! M. Vashukin. Knizh. toig. 17  
no. 11, 11 N '66
- Into the catalogs of Soviet stamps in 1966. Knizh. toig.  
16 no. 155-56 Ja '67
- POSTAGE STAMPS—TOPICS—SPORTS**  
Sashenkov, E. P., and M. E. Levin. [Philately under the  
sign of the "five rings"] *Filatelistsheskaya kontora*  
kolets, Moskva, Svyaz', 1966. 149 p.
- POSTAL SERVICE—BUILDINGS** see subdivision under  
Donesk
- POSTERS**  
Advice on visual propaganda. *Part zhizni* no. 4 63 F '67
- New posters for automotive transportation units. L. Iva-  
nov. *Avto. transp.* 40 no. 6 63 Je '62
- Propaganda posters are ten years old. I. Abramskii.  
Ishustvo 29 no. 12 2-7 '66
- A review of visual propaganda in the province. *Agitator*  
34 no. 4 64 F '67
- A review of visual propaganda in the province. *Part*  
*zhizni* no. 3 60 F '67
- POSTOPERATIVE CARE**  
Correction of water-electrolyte balance in early post-  
operative period. T. P. Makarenko, B. M. Drulmanov,  
N. P. Ryzkova. *Sov. med.* 29 no. 10 140-144 O '66
- Immediate results of surgical treatment in elderly and  
senile patients. V. T. Shkrobol. *Sov. med.* 29 no. 11:  
103-106 N '66
- Some characteristics of management of patients with  
mitral stenosis and late observations following commis-  
surotomy. A. I. Terent'eva. *Trudy LPM* 37 155-158 '65
- Treatment of chronic calculeous cholecystitis in the light  
of late results. V. V. Vinogradov, G. E. Basner,  
Khirurgiya 42 no. 12 41-46 D '66
- POTANIN, GRIGORI NIKOLAEVICH, 1836-1920**  
G. N. Potanin during the socialist revolution and civil war  
in Siberia. I. M. Razgov, M. E. Polonikova. *Trudy TGU*  
158:139-153 '65
- POTASH MINES AND MINING**  
Concerning the book by N. G. Trupak "Methods of control-  
ling water in potash and salt mines." E. L. Shishov and  
others. *Ukr. 6* no. 12 44-45 D '62
- POTASSIUM** see subdivision under Kazakhstan
- POTASSIUM—EFFECT ON PLANTS** see Plants, effect  
of potassium on
- POTASSIUM-ARGON DATING**  
Practice in potassium-argon geothermometry and evalua-  
tion of thermodynamic parameters in forming intrusive  
bodies. S. B. Brandt and others. *Izv. AN SSSR, Ser. geol.*  
no. 12 30 Ja '67
- POTASSIUM BENZOATE**  
Effect of catalytic additions on disproportionation of  
potassium benzoate. A. Z. Bikkulov, R. N. Khieshtin,  
V. Kh. Khamaev. *Izv. vys. ucheb. zav. Khim. i khim. tekhn.*  
9 no. 5 841-843 '66
- POTASSIUM BOROHYDRIDE**  
Fusibility diagram of the system KCl - KBr. V. I.  
Mikhireva, S. V. Zapol'skii. *Dokl. AN SSSR* 171 no. 4:  
872-873 D '66
- POTASSIUM CHLORIDE CRYSTALS—ACOUSTIC PROPERTIES**  
Ultrasonic absorption in KCl single crystals in the  
megacycle frequency band. Kh. M. Khalilov, A. I. Agayev,  
Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk no. 4 82-  
86 '66
- POTASSIUM FERROCYANIDE CRYSTALS—FERRINO-ELECTRIC PROPERTIES**  
Behavior of ferroelectric properties of K<sub>2</sub>Fe(CN)<sub>6</sub>·3H<sub>2</sub>O  
at high pressures. A. Ia. Krasnikova, I. N. Polnikov,  
V. P. Mylov. *Fiz. tver. tela* 8 no. 11 3320-3323 N '66
- POTASSIUM FLUOBORATES**  
X-ray diffraction study of potassium tetrafluoroborate  
K<sub>2</sub>(BF<sub>4</sub>)<sub>2</sub>·O<sub>2</sub>. V. A. Ljgov, I. R. Batumova, *Zhur.*  
neorg. khim. 12 no. 1 279-280 Ja '67
- POTASSIUM FORMATE**  
Reducing the amount of potassium formate in the absorp-  
tion solution of sulfur removal apparatus. A. A. Rati-  
lovskii. *Koks i khim.* no. 7 15-16 '62
- POTASSIUM IN THE BODY**  
Changes in the content of potassium in the vitreous body  
fluid depending on the time of death. N. P. Marchenko  
Sud.-med. eksp. 8 no. 4 3-1 O-D '66
- Effect of Chukuryard hydrogen sulfide baths on the  
course of chronic infectious polyarthritis taking into  
account the changes of the potassium and calcium level  
in the blood. R. A. Kafar-zade, L. L. Kravets. *Sov. i*  
*trud Azerb. nauch.-issl. inst. kur. i fiz. metod lech.*  
no. 6 163-169 '62
- POTASSIUM METABOLISM**  
Effect of applications of mud from Lake Ul'dzhay (Dzhark  
Province) on the content of potassium in the heart of  
white rats. O. A. Sorochukov. *Vop. kur. i fizioter. i*  
*lech. fiz. kul't.* 31 no. 6 537-539 '66
- POTASSIUM PERMANGANATE**  
Accelerating the reaction of formation of potassium  
manganate. M. N. Machulkin and others. *Trudy GIPKH*  
no. 17 78-83 '62
- Electrochemical oxidation of the manganate ion to per-  
manganate. M. N. Machulkin and others. *Trudy*  
*GIPKH* no. 47 84-92 '62
- New design of a single-solution electrolytic bath for  
obtaining potassium permanganate. M. N. Machulkin  
and others. *Trudy GIPKH* no. 47 93-97 '62
- New technological flow sheet for the production of  
manganates and potassium permanganate. M. N.  
Machulkin and others. *Trudy GIPKH* no. 47 98-103  
'62
- POTASSIUM PHOSPHATE CRYSTALS—OPTICAL PROPERTIES**  
Electro-optical properties of potassium dihydrophosphate  
and deuterated potassium dihydrophosphate crystals in  
region of their phase transitions. A. S. Sontin, A. S.  
Vasilovskaya, B. A. Stukov. *Izv. tvor. tela* 8 no. 1:  
3436-3439 N '66
- POTASSIUM PHOSPHATES**  
Use of potassium triphosphate in liquid detergent.  
F. V. Novolin and others. *Mash.-zhd. prom.* 33  
no. 11 26-30 N '66
- POTASSIUM SALTS**  
Origin of red color of potassium salts. I. U. A. Borshchev-  
skii. *Min. sbor.* 20 no. 1 58-60 '66
- POTASSIUM SUPEROXIDE**  
Melting of potassium superoxide. A. B. Tsentsiper, T. I.  
Rogozhnikova. *Izv. AN SSSR, Ser. khim.* no. 1 165-167  
Ja '67
- POTATO BEETLE**  
Cinovskii, J., A. Cibulka, and M. Silova. [Potato beetle  
or Colorado beetle] *Kartupeli lapgrauzis jeb Kolorado*  
*vabole.* Riga, Zinats, 1966. 40 p. [In Latvian]  
(DNAL)
- POTATO DRYING**  
Drying line for potatoes cut in cubes. O. S. Danchenko,  
F. K. Lamashe. *Kons. i ov. prom.* 21 no. 12 3-5 D '66
- POTATO HARVESTING MACHINERY—TESTING**  
Testing of potato digger combines and machinery. V. R.  
Gorbunov. *Trakt. i sel'khoz. mash.* 30 no. 3 16-24  
Mr '60
- POTATO MOSAIC VIRUS**  
Effect of gibberellin on the virus X of potatoes in vitro  
and in vivo. L. K. Zhorebchuk. *Trudy KISKH* 66 170-  
175 '66
- POTATO PRODUCTS**  
Potato crackers with additives. V. N. Zolotetski, N. T.  
Rybko, R. L. Kovgancko. *Kons. i ov. prom.* 21 no. 12:  
23-24 D '66



## PREGNADIENONE

Synthesis of  $\Delta^5,16$ -pregnadiene-3 $\beta$ -ol-20-one acetate from diosgenin N. N. Dykhanov, Zhur. prikl. khim. 34 no. 6 1961-1966 Je '61

## PREGNANE

Synthesis of pregnane-3 $\alpha$ -ol-11,20-dione-3-acetate from deoxycholic acid G. I. Kupimov, L. N. Volokhishin Zhur. prikl. khim. 31 no. 6 1969-1992 Je '61

## PREGNANCY

Effect of the blood serum and sexual hormones present in the urine of pregnant women on the isolated uterus, M. S. Giginelidze, Sob. AN Gru. SSR 26 no. 6 747-754 Je '61.

Relation between the period of pregnancy and the live weight of newborn calves in various cattle breeds G. F. Ovsyannikov Dokl. TSKhV no. 45,45-50 '59

## PREGNANCY, COMPLICATIONS OF

Effect of X rays on the development of embryos and placentas in rats following irradiation on the 8th day of pregnancy A. P. Nikonov, Biol. eksp. biol. i med. 63 no. 1,85-98 Ja '67.

New variations of drug therapy in late toxemia in pregnancy A. M. Pol, M. I. Anisimova, Sov. med. 20 no. 10 111-119 O '66.

## PREGNANCY, EXTRAUTERINE

Acute appendicitis, extrauterine pregnancy and ruptures of the ovaries I. A. Muronitskiy and others, Khirurgiya 42 no. 12 76-81 D '66

## PREGNENONE

Transformed steroids. Report No. 6. Mechanism of stereospecific cis-opening of oxirane of 16 $\alpha$ ,17 $\alpha$ -epoxy- $\Delta^5$ -pregnan-3 $\beta$ -ol-20-one A. A. Akhricin and others Izv. AN SSSR Ser. khim. no. 1 115-121 Ja '67.

## PRELIMINARY EXAMINATIONS (CRIMINAL PROCEDURE)

Ivanov, V. A. [Preliminary examination in Soviet criminal procedure, a textbook on "Preliminary examination and investigation of criminal offenses," a special course for students of evening and correspondence departments] Doznanie v sovetskoy ugolovnoy protsesse, uchebnoye posobie dlia studenkov vechernego i zaochnogo otdelenii po spetskursu "Rozyak i rassledovanie," [Leningrad] Izd-vo Leningr. univ., 1966, 35 p.

Some problems concerning the limits of evidence in some procedural decisions during preliminary investigation, L. M. Karsneva, G. M. Min'kovskii Vop. pred. prest. no. 4 83-109 '66.

## PRENATAL INFLUENCES

Characteristics of the formation and functioning of temporary connections in early postnatal ontogenesis in puppies irradiated on the 20th day of embryogenesis, M. G. Airapetianis Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 27-37 '62

Characteristics of the formation and functioning of temporary connections in early postnatal ontogeny in puppies irradiated on the 15th day of embryogenesis M. G. Airapetianis, Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 21-26 '62.

Comparative morphological study of changes in the brain of rats irradiated with doses of 50, 150 and 200 r on the 12th day of their embryonic development M. M. Aleksandrovskaya Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 125-137 '62

Conditioned reflex activity in adult white rats exposed to the action of ionizing radiation during the organogenetic stage M. B. Gol'dberg, Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 58-70 '62

Disorder of the activity of the higher portions of the central nervous system in animals exposed to X-ray doses of 25 r during the fetal period of their antenatal development I. A. Kolomoitseva, Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 71-81 '62

Effect of X rays on the development of embryos and placentas in rats following irradiation on the 9th day of pregnancy, A. P. Nikonov, Biol. eksp. biol. i med. 63 no. 1,84-88 Ja '67.

Higher nervous activity in middle-aged rats exposed once to ionizing radiation during the fetal period of their antenatal development, I. A. Piontkovskii, I. A. Kolomoitseva Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 62-69 '62.

Higher nervous activity of sexually mature rats of middle age exposed to repeated ionizing irradiation during the period of their antenatal development, I. A. Piontkovskii, V. N. Semagin Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 100-101 '62.

Morphological changes in the brain of rabbits irradiated in the last stages of their antenatal development, I. A. Chernyshevskaya, Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 138-144 '62.

Some characteristics of the formation and development of the functions of the higher portions of the central nervous system in rabbits exposed to ionizing radiation during the period of their intrauterine development, R. I. Kuglikov, Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 135-57 '62.

Two mechanisms of functional disorders of the brain in animals irradiated during the period of embryonic development A. M. Ivanitskii Trudy Inst. vys. nerv. delat. Ser. patofiziol. 10 102-115 '62

## PREOPERATIVE CARE

Evaluation of the sedative effect of premedication, V. A. Golovinskiy, A. D. Chasavskoy Sov. med. 30 no. 1, 108-116 Ja '67.

Severe complication following premedication with andaxin, M. G. Hutanson, I. V. Saychenko Sov. med. 30 no. 1 119-121 Ja '67.

## PREPS

(see also subdivision under Germany, West)

Iuiko, A. I. [Establishing the Soviet party press, October 1917-1918] Stanovlenie partii no-voysetskoy pressy, oktyabr' 1917-1918 gg. [Saratov] Izd-vo Saratovskogo univ., 1965, 63 p. (NIC)

## PRESSURE

Additional outer pressure on casing string during temperature changes in well, A. L. Benmurzaev and others Neft khoz. 44 no. 11 21-23 N '66

Calculation of well bottom pressure during one-phase flow of gas condensate mixture, G. R. Gurevich, Izv. vys. ucheb. zav., neft. i gaz. 9 no. 8 41-43 '66

Experiments in plotting maps of reduced isobars and determining reduced weighted average reservoir pressures R. V. Maslovich, Neft. i gaz. prom. no. 5,32-35 S-O '66

Pressure of loose materials, O. P. Onorin, N. G. Makhanok Izv. vys. ucheb. zav., gor. zhut., 8 no. 8 99-103 '65

Problem of decreasing in essence fluctuation in gas distribution systems G. M. Gulych Izv. vys. ucheb. zav.; neft. i gaz. 9 no. 8 73-76 '66

## PRESSURE GAUGES

Technological bases for automatic determination of permissible reduction during one pass in plate rolling on two-high reversing stands, V. M. Galatin, D. N. Kalinskii, Stroi. i. inzh. TSNIICHIM no. 41,157-176 '66.

## PRESSURE REGULATORS

Determination of the optimum parameters of a gas pressure regulator for gas pipelines, O. M. Levin Prikl. inzh. svyaz. v kom. hosp. ta prom. AN USSR 7 110-114 '59.

Pilot regulators, V. S. Uzhanskiy, Khol. tekhn. 14 no. 12 44-48 D '66

Pressure regulator in a hydraulic brake drive V. D. Balakin, M. A. Petrov, Avt. prom. 32 no. 12 27-29 D '66

## PRESTRESSED CONCRETE

Analyzing effectiveness of new bridge designs, V. G. Andreev, Transp. strol. 16 no. 2,41-41 F '66.

Simple apparatus for hardening reinforcement steel Na stroi. Ros. 4 no. 3,3 of cover Mb '63.

Triaxially prestressed concrete elements and their field of utilization in construction, V. V. Mikhailov, G. A. Gambarov Izv. ASIA no. 3,97-95 '61

## PRESTRESSED CONCRETE—FATIGUE

Mechanized stand for preparing prestressed reinforced concrete pile planks and piles, F. S. Kolozov, Transp. strol. 16 no. 4 26-30 Ap '66.

## PRESTRESSED CONCRETE CONSTRUCTION

Manufacture and testing of prestressed reinforced concrete houses, V. R. Pech and others, Prom. strol. i. inzh. scor. 8 no. 6,15-17 N-D '66.

## PRESTRESSED CONCRETE CONSTRUCTION—COLD WEATHER CONDITIONS

Production of prestressed elements on construction yards during winter, A. S. Sugeev, Na stroi. Ros. 4 no. 3,16-17 Mr '63.

## PRESTRESSED CONCRETE PRODUCTS

Methods of assembling cylindrical shells, R. Grebennik, Na stroi. Ros. 5 no. 3 10-10 Mr '64.

## PRICE REGULATIONS see subdivision under White Russia

## PRICES

(see also subdivision under Communist Countries)

Price and its role in the system of the economic methods of management, Sh. Turetskii, Fin. SSSR 40 no. 12 28-40 D '66.

## PRICES—MATHEMATICAL MODELS

On the system of prices stimulating the carrying out of the national economic plan, V. Dadatsi, Vop. ekon. no. 1,70-80 Ja '67.

## PRIMARY EDUCATION see Education, Primary

## PRIMITIVE RELIGION see Religion, Primitive

## PRINSEPIA

Anatomicomorphological study of seedlings and root suckers of *Prinsipia sinensis* (Oliv.) Kom. R. P. Barykina, L. I. Lotova, Vest. Mosk. un. Ser. 6: Biol., pochv., 21 no. 5,60-67 S-O '66.

## PRINTING

Contributions to printing made by the All-Union Research Institute of the Printing Industry B. G. Pokrovskii Poligr. proizv. no. 1 13-15 Ja '63

Development of the techniques of book production and book design V. V. Popov Kniga, issl. i. inzh. 4 163-165 '61.

Printing of books in Russia during the second quarter of the 18th century (Februury 1725-October 1740) T. A. Rykova Kniga, issl. i. inzh. 1,220-259 '61.

Scientific work of the Moscow Printing Institute, D. I. Kimov Poligr. proizv. no. 1,15-16 Ja '63.

## PRINTING—ABSTRACTS

[Printing technology, information abstracts] Tekh. poligr. no. 2 '65.

## PRINTING INDUSTRY

Designing offices are needed I. Pokun, Poligr. proizv. no. 1 20-21 Ja '63

Most important trends in the research work of the All-Union Research Institute of the Printing Industry during 1963 V. I. Kaputskhin Poligr. proizv. no. 1 10-13 Ja '63.

Pay more attention to standard research stations, A. Galaktionov Poligr. proizv. no. 1,9-10 Ja '63.

Planning in the printing industry should meet the standards demanded by communist construction, B. I. Ivan-taman Poligr. proizv. no. 1 3-5 Ja '63

Put the work of the factory laboratories in the service of technical progress A. G. Pindin Poligr. proizv. no. 1 16-18 Ja '63.

The resources of printing plants at the service of the Soviet press Poligr. proizv. no. 1 1-2 Ja '63.

Strengthen the tie with science, A. V. Sidorova Poligr. proizv. no. 1 10 Ja '63.

## PRINTING INDUSTRY—FINANCE

(see also subdivision under Ukraine)

For further improvement in the profitability of printing enterprises, V. V. Gulla-Ivanovskii, Poligr. proizv. no. 1,8-9 Ja '63.

## PRINTING MACHINERY AND SUPPLIES

Device for picking up shavings, I. A. Tsiolomko, Poligr. proizv. no. 1,26 Ja '63

Method of storing semifinished products, V. Gublin, Poligr. proizv. no. 1 23-24 Ja '63.

"N-9" composing machine, Sh. M. Koganov, Poligr. proizv. no. 1 21-22 Ja '63

New developments in the metallurgy of printing alloys, N. A. Efim and others, Poligr. proizv. no. 1,22-23 Ja '63.

Potentiation of the "TGA" machine, M. M. Belonutskiy Poligr. proizv. no. 1,25-26 Ja '63.

This improves operation conditions, P. A. Aiburov, V. D. Votushkin, Poligr. proizv. no. 1,24-25 Ja '63

Vertical weathering equipment, N. Gublin, Poligr. proizv. no. 1,23 Ja '63.

## PRINTING PLANTS

Coordinate the work of factory laboratories, D. I. Pindin, Poligr. proizv. no. 1,20 Ja '63.

Plans for factory laboratories, P. I. Gut Poligr. proizv. no. 1,10 Ja '63.

## PRIVATE LIBRARIES see Libraries, Private

## PROBABILITIES

Asymptotic behavior of the probabilities of first and second kind errors in testing the hypotheses on the spectrum in a Gaussian stationary process, B. A. Apokorin, Dokl. AN SSSR 167 no. 2,263-266 Mr '66.

Dispersion of the frequencies of appearance of random binary combinations in treatment with shift A. M. Moiseyev, D. M. Sudakov, Trudy Vych. teorii i AN Gru. SSR 7,2 10-40 '66.

Methods of probability reservation of the elements of production system, G. Sh. Kaplan, Lkai. i. inzh. tekhn. 3 no. 1 70-76 Ja-F '67.

Optimal one-time correction in a model problem, V. A. Ritsin, Teor. veroyat. i ee prim. 11 no. 4,700-714 '66.

Probability of the recurrence of a sequence of random signals, M. L. Verzhbinskii Zap. LOM 47 no. 3,59-70 '63

Stranks, R. [Probability and information] Vychislitel'naya informatsiya, Rign, Zinatne, 1966, 45 p. [In Latvian]

Study of neuron pulsations using methods of the theory of probabilities and mathematical statistics, M. O. Kul'sk, Fiziol. zhur. [Ukr.] 12 no. 6,820-834 N-D '66.

## PROBATION

Our courts and the public should control the probationers more strictly, K. Bel'skii, G. Lapinov, Sov. iust. 31 no. 3,23 F '67.

## PROBLEM CHILDREN

Psychopsychological study of the groups of "tough" teenagers, I. G. Sagatovskaya, Vop. pred. prest. no. 4 130-143 '66.

They are not "difficult" after all, I. Turgan, Seintia i shkola 21 no. 7,30-31 Ji '66.

fourism, local lore and the education of "problem children," T. Sadykov, Nar. obr. no. 2,31 F '67.

## PROBLEM OF THREE BODIES

Akhmedkhanov, B., and V.B. Bellav. [Convergence of two-particle disintegration in the problem of the bodies] O skhodnosti 2-chastichnykh i zlozhenii v zadache tikhel' Dubna, 1967 7 p

## PROBLEM SOLVING

Lurila, A.R., and L.S. Svetlov. [Neuropsychological analysis of problem solving, disorders of the process of problem solving in focal lesions of the brain] Neiropsikhologicheski analiz resheniya zadach, naru-sheniya protsessov resheniya zadach pri lokal'nykh porazheniyakh mozga. Moskva, Prosveshchenie, 1966 280 p.

## PRODUCE TRADE

(see also subdivision under Donetsk Province, Sakhenskoy District)

The contractual agreement is a yardstick of rational relations. Zakup sel'khoz prod. no. 8:15-17 Ag '66.  
The improvement and state deliveries. I. Boi Odavchenko. Zakup sel'khoz prod. no. 8:1-5 Ag '66.  
Let us take first place in the competition. Zakup sel'khoz prod. no. 11:1-5 N '66.

Marketability of agricultural production and state deliveries. N.S. Butnikov. Zakup sel'khoz prod. no. 8:10-11 Ag '66

New rules governing the state procurement of agricultural products. A. Kabanov. Sois zakon 30 no. 7:31-34 Ji '66.

Procurement news. Zakup sel'khoz prod. no. 11:14-45 N '66

Procurement news. Zakup sel'khoz prod. no. 12:41-45 N '66.

The Soviet public should control the quality. A. Gadrzhev. Aytun 34 no. 2:13-15 Ja '67.

State delivery news. Zakup sel'khoz prod. no. 8:51-55 Ag '66.

## PRODUCE TRADE—FINANCE

Peslakhonov, V.A. [Role of commodity and monetary relations in the planned guidance of collective-farm production] Rol' tovarno-denezhnykh otnosheniy v planovom rukovodstve kollektivnykh proizvodstvom. [Leningrad] Izd-vo Leningr. univ., 1967. 201 p.

## PRODUCE TRADE—MANAGEMENT

(see also subdivision under Chelkassy Province; Groznyy)

On the problem of planning for state deliveries. A. Platono. V. Naiklov. Zakup sel'khoz prod. no. 12:5-11 D '66.

## PRODUCTION ENGINEERING

(see also subdivision under White Russia)

Increasing the efficiency of multistage automatic lines. Comparison of machine tool units. L.I. Vukobrevich. V. i. mashinost. 47 no. 1:78-81 Ja '67.

Organizing the specialization in the development of design and technology. G.F. Yakubik. Tekhn. i org. prod. 45 no. 9:11-14 N '66

Automatization and unitization as a basis for high-speed technology of preparation of production. I.I. Kogan. IA 51, Moscowskii, Stand. i tekhn. 10 no. 9:1-7 S '66

Automatization, terms, expenses in adapting new articles. A.V. Yurkovskiy. Stand. i tekhn. 10 no. 9:67-70 S '66.

Testing classification systems of machine parts and in standards in technological preparation of production. I.N. Lerner. Stand. i tekhn. 10 no. 11:41-46 N '66

## PRODUCTION ENGINEERING—SCHEDULING

Network diagrams for planning and checking the technical preparation of production. O.P. Maunulina, I.A. Ignatova. Stan. i instr. 38 no. 4:36-39 Ja '67

Using network planning and management systems in preparing the production of a new part and adapting it. A.N. Golitskiy. Vest. mashinost. 47 no. 1:74-78 Ju '67.

## PRODUCTION STANDARDS—CONGRESSES

(see also subdivision under Chikmagat)

## PRODUCTION STANDARDS—ECONOMIC ASPECTS

Kolekin, V.I. [Improving the establishment of work norms in industry; economic problems] Sovetskoye upravleniye normirovaniya truda v promyshlennosti, ekonomicheskie problemy. [Leningrad] Izd-vo Leningr. univ., 1966. 142 p.

## PROFIT

Calculating norms for economic incentives. N. Khrulev. P'lna khoz. no. 2:54-60 I '67.

The law of monopoly high profit. M. Sorokopud. Nauch. dokl. vye. shkoly; ekon. nauki 4 no. 1:71-83 '61.

Lugov, Olov. [What is profitable production?] Mis on loomise rentabilus? Tallin, Eesti Raamat, 1960. 41 p. [Sotsialistliku majandamise kooli] [In Estonian]

New legal rules governing the distribution of the profits of industrial enterprises. I. Petrov. Sov. iust. 30 no. 24:2-3 D '66.

## PROGRAMMED INSTRUCTION

Rusala (R.S.F.S.R.). Uchebno-metodicheskiy kabinet po sledeniya sledeniya obrazovaniya. [Programmed instruction] Programmirovannoe obucheniye, Moskva, Vysshaya shkola, 1965. 37 p. [MICROFILM]

Teaching machines, teachers, and students. A.I. Beig. Semia i shkola 22 no. 1:29-30 Ja '67

Using the selective method of checking in programmed instruction. A.S. Lynda. Vech. sred. shkola 9 no. 3. 80-86 My-Je '66

## PROGRAMMED INSTRUCTION—CONGRESSES

Seminar "Programmirovannoe obucheniye i obuchaiushchie mashiny" [Reports of the Seminar "Programmed Instruction and Teaching Machines"] Seminar "Programmirovannoe obucheniye i obuchaiushchie mashiny", [doklady] Kiev, Naukova dumka No. 4. 1965. 114 p.

## PROGRAMMING (ELECTRONIC COMPUTERS)

Alphabet of recognition objects. V.N. Elikina. N.G. Zagorutko. Vych. sist. no. 22:59-77 '66

Classification of problems concerning the recognition of images. N.G. Zagorutko. Vych. sist. no. 22:3-10 '66

Combination method of decision-making. N.G. Zagorutko. Vych. sist. no. 22:17-30 '66

Concerning one method for programming second-order curves. M.B. Ignatiev. Sbor. rab. po vop. elektromekh. no. 4:248-251 '60.

Krull, Matt. [Electronic computers and programming] Elektronarvuld ja programmeerimine. Tallinn, Valgus, 1966. 81 p. [Kosmosesajandil] [In Estonian]

Obtaining enough  $P_1(t)$  characteristics in image recognition. B.M. Kurilov. Vych. sist. no. 22:21-30 '66

Representability of sampling in selecting an effective system of characteristics. G.S. Lbov. Vych. sist. no. 22:39-58 '66.

## PROGRAMMING (MATHEMATICS)

Akademiya nauk SSSR, Sibirskoe otdelente, Institut matematiki. [Mathematical programming] Matematicheskie Programirovaniye, Moskva, Nauka, 1966. 133 p.

Conditions of incompatibility of a system of nonlinear inequalities, determination of its incompatibility and iterative solution of problems in convex programming. L.A. Zhukovskii. Vych. met. i prog. 5:124-133 '66

A method of absolute optimization in convex programming problems. V.I.D. Maruzov. Zhur. vych. mat. i mat. fiz. 7 no. 1:204-208 Ja-F '67

Norkin, S.D., ed. [Elements of computing mathematics] Elementy vychislitel'noi matematiki. Izd. 3. [By] S.B. Norkin i dr. Moskva, Vysshaya shkola, 1966. 205 p.

On the number of computations for finding the minimum of convex function. A.I. Kuzovkin, V.M. Tikhomirov. Kibernetika, 3 no. 3:95-103 Ja-F '67.

Stability of the solution to a functional equation of dynamic programming. R.I. Zaslavskii. Zhur. vych. mat. i mat. fiz. 7 no. 1:199-204 Ja-F '67.

## PROGRAMMING LANGUAGES (ELECTRONIC COMPUTERS)

Levels and styles of the "Address language" and the problem of the automation of programming. K.L. Iushchenko. Dop. AN URSSR no. 7:871-874 '62

Separation and translation of simplest cycles. L.V. Sukova. Vych. met. i prog. 5:325-330 '66.

Separation and translation of simplest cycles. L.V. Sukova. Vych. met. i prog. 5:325-330 '66.

## PROBIDIENE

(see also subdivision under Estonia)

The first Russian clandestine book printing. IA I. Khotimskiy. Kniga, issl. i mat. 4:330-334 '61

## PROKOPCHUK, ANDREI IAKOV LEVICH, 1899-

Andrei Iakovlevich Prokopchuk, on his 70th birthday and fiftieth anniversary of his scientific, pedagogic, and social activity. S.A. Iaromona, A.T. Snenovskiy, V. Khomich. Vestsi AN BSSR, Ser. filol. nay. no. 3:133-136 '66.

## PROPADIENE

Preparation of some new aminoallene complex compounds of cobalt, zinc and cadmium chlorides. S.N. Avakian. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:841 '60.

## PROPAGANDA

Propaganda books should be entertaining. S.A. Putaev. Kniga, issl. i mat. 4:145-160 '61.

## PROPANE

Studying composition of propane-propylene fraction. V.P. Zolshchikova, A.Z. Dorogochinskii. Nefteper. i neftekhim. no. 8:44-49 '66

Test parameters in chromatographic analysis of end product in propene column of gas fractionating unit. E.F. Shkatov. Nefteper. i neftekhim. no. 10:36-38 '66.

## PROPELLERS

Characteristics of the maneuverability of tipple screw vessels. S.O. Shumovskiy. Rech. transp. 20 no. 7:47-48 Ji '61.

## PROPELLERS—HYDRODYNAMICS

Effect of unsteadiness on hydrodynamic characteristics of a propeller intersecting a free water surface. IU. M. Sadovnikov. Sudostroyeniye 27 no. 1:15-17 Ja '61.

## PROPENE

Alkylation of o-dihalobenzenes with propylene in the presence of sulfuric acid. IU. G. Mamedaliyev, R.S. Alimov. Dokl. AN Azerb. SSR 18 no. 3:21-23 '62 [isotherms and heats of adsorption of propylene on silica gel] [with summary in English] A.G. Bezu, V.P. Drung, A.L. Khachiko-Gurvich. Koll. zhur. 23 no. 3:241-247 M.-Je '61

Molchanov, IU.M. [Physical and mechanical properties of polyethylene, polypropylene and polyisobutylene, a handbook] Fizicheskie i mekhanicheskie svoystva polietilena, polypropilena i polizobutilena, spravochnik. Riga, Zinatne, 1966. 438 p.

## PROPIONIC ACID

Preparation of esters of fluorine-9,9-dipropionic acid. A.E. Opharmovich, A.E. Kretov. Zhur. prikl. khim. 34 no. 6:1381-1386 Je '61

## PROPORTIONING EQUIPMENT

Measuring device for mash. N.B. Morozov. Khleb. i yond prom. 11 no. 1:39-40 Ja '67.

Modernization of the batch-weighing equipment of cyclic concrete plants. O.V. Monastyrskiy. Stroitel'stvo, mash. 6 no. 12:19-23 D '61.

Some new in automation of concrete mixing shops. A.B. Minin, V.A. Fateev. Stroitel'stvo, Len. 28 no. 12:22-23 D '66.

## PROPYLAMINE

Preparation of  $\gamma$ -methoxypropylamine and  $\gamma$ -diethylamino-propylamine. I.L. Boguslavskaya, L.Kh. Vinograd, IA B. Shteinberg. Zhur. prikl. khim. 34 no. 6:1392-1393 Je '61

## PROPYLITE

Conception of "propylite" in process of propylitization. M.M. Vastylevskiy. Zap. Vses. min. ob-va 95 no. 6:637-651 '66

## PROPYNOL

Some features of propargyl alcohol as inhibitor of steel corrosion in hydrochloric acid solutions. V.A. Khitrov, V.P. Zadorozhnyy. Izv. vys. ucheb. zav. khim. i khim. tekhn. 9 no. 5:744-748 '66.

## PROSOBRANCHIATA

Generic classification of family Acmaeidae (Gastropoda. Prosobranchiata) based on the radula. L.L. Moskalov. Zool. zhur. 45 no. 12:1767-1772 '66.

## PROSPECTING

(see also subdivision under Caucasus; Chechen-Ingush A.S.S.R.; Daghestan, Krasnoyarsk Territory)

Basic principles of carrying out economic reforms in geologic prospecting field, as a topic for discussion. P.T. Kozlov, T.P. Dunneev, M.B. Dobrovolskiy. Neft. khoz. 45 no. 1:7-12 Ja '67.

Geological and mining factors influencing the choice of mineral prospecting methods. N.V. Ivanov. Zap. LGI 43 no. 2:78-81 '62

Mathematical bases of methodology of prospecting for mineral deposits. A.B. Kazhdan. Izv. vys. ucheb. zav. geol. i razv. 10 no. 1:3-11 Ja '67

Prospecting trends and methodology in Dzhetysay District. V.R. Aitmetov. Razved. i okh. nedr. 26 no. 3:10-16 Mr '60.

Ryzhov, P.A., and V.M. Gudkov. [Using mathematical statistics in prospecting for mineral resources] Priimeneniye matematicheskoy statistiki pri razvedke nedr. Moskva, Nedra, 1966. 234 p.

Using time-bitumen mud for drilling in prospect horizon. B.D. Panov, V.A. Serpenskiy. Neft. khoz. 44 no. 10:65-69 O '66.

## PROSPECTING—ECONOMIC ASPECTS

Improvement of planning system for geological prospecting. V.K. El'min and others. Izv. vys. ucheb. zav. geol. i razv. 10 no. 1:144-152 Ja '67.

## PROSPECTING—EQUIPMENT AND SUPPLIES

Decisions of the July Plenum of the Central Committee of the CPSU will provide for further rapid growth in all branches of the national economy. Razved. i okh. nedr. 26 no. 8:1-4 Ag '60.

## PROSPECTING—GEOPHYSICAL METHODS

Applying Mellor-Fack integral transform in solving problems of magnetic and gravity geophysical prospecting methods. V.N. Strakhov. Izv. AN SSSR Fiz. zem. no. 11:55-67 '66.

Evaluating informativeness of geophysical parameters in detecting oil-bearing layers with help of self-teaching programs. Sh.A. Guberman, M.L. Izvekova, V. Turuk. Izv. AN SSSR, Fiz. zem. no. 12:37-44 '66.

Increasing the efficiency of geophysical prospecting for micaceous pegmatite veins. S.IA. Logen'kiy. Razved. i okh. nedr. 26 no. 8:33-37 Ag '60.

Practice of using combined profiling for the manifestation of a deep karst in an Estonian oil shale deposit. O.M. Kabanov. Razved. i okh. nedr. 26 no. 3:55-57 Mr '60

## PROSPECTING—GEOPHYSICAL METHODS (Continued)

- Prospecting for bauxite deposits in karst holes using geophysical methods. D.G. Uspenskii. Zap. LGI 43 no. 2:122-131 '62.
- Scaling  $\Delta z$  or  $\Delta \rho$  anomalies upward of curved observation surface. A. M. Polonskii. Izv. AN SSSR Fiz. zem. no. 11:77-82 '68.
- Study of metasomatic alterations of rocks according to data of determination of their magnetic susceptibility. M. I. Tolstol, I. M. Ostafichuk, V. G. Molavko. Geofiz. zhurn. no. 17:35-44 '66.
- Tishchenko, V. E. [Working capital of geological prospecting enterprises and ways to accelerate its turnover.] Obzor nye svedeniya geologicheskikh predpriyatiy i puti uvelicheniya ikh oborachivaemosti. Ufa, Bashkirskoe knizhnoe izd-vo, 1961. 80 p.
- Using geophysical methods in prospecting for ore deposits. A. S. Shirokov, V. I. Gochuk Razved. i otkr. neft. 26 no. 3:28-38 Mr '60.

## PROSTHESIS

(see also subdivision under Uzbekistan)

- Indications for prosthesis of the mitral valve in rheumatic defects in adolescents. G. M. Solov'ev and others. Grad. khim. 9 no. 1:3-7 Ja-F '67.

## PROTARGOL

- Incompatibility of adrenaline and protargol in solutions. V. A. Horodyn'ska, K. I. Rubchyn'ska. Farmatsevt. zhurn. 16 no. 3:55-56 '63.

## PROTECTION OF PLANTS see Plants, Protection of

## PROTECTIVE CLOTHING see Clothing, Protective

## PROTECTIVE COATINGS

(see also subdivision under Bashkiria)

- Achieving heat insulated roofs through use of spray-coatings. N. A. Smirnov, A. F. Etelina. Stroitel'sk. Len. 28 no. 12:12-14 D '66.
- Change of some physical and mechanical properties of thin-layer polymer coatings in the process of thermal oxidative aging. V. A. Belyi, L. S. Koretskaya, D. A. Rodchenko. Lakokrask. mat. i ikh prim. no. 6:21-22 '66.
- Chemical nickel coating of zinc alloys. T. V. Stepanova, L. I. Gimgo. Zashch. met. 3 no. 1:104-105 Ja-F '67.
- Choice of anticorrosive coatings for the molding column of aluminosilicate catalysts. K. R. Organev. Lakokrask. mat. i ikh prim. no. 6:63-64 '68.
- Coating aluminum baking molds with the K-58 varnish. I. D. Tsel'vak. Khleb i kond. prom. 10 no. 12:35-36 D '66.
- Corrosion of steel pipelines in Solinok and their protection by polymeric materials. V. F. Negreev, G. A. Alakhverdiyev, Sh. G. Mekhteva. Trudy Inst. khim. AN Azerb. SSR 20:94-108 '61.
- Effect of the conditions of solidification on the protective properties of coatings based on the GEN-150/V and VDU-3 elastomers. M. K. Kovaleva, Z. S. Utiantskii. Lakokrask. mat. i ikh prim. no. 6:25-29 '66.
- Electrochemical testing of film-forming hydrocarbon-soluble corrosion inhibitors. V. F. Negreev and others. Trudy Inst. khim. AN Azerb. SSR 20:79-93 '64.
- Evaluation of the hardness of optical coatings. V. N. Rozhdetsvenskii, Opt.-mekh. prom. 33 no. 12:51-56 D '66.
- Gadzhieva, R. G., and I. U. S. Smil'syn. [Protection against corrosion of a wet steel surface.] Zashchita ot korrozii mokrogo stal'nogo poverkhnosti. Baku, Azerneshr, 1965. 131 p.
- Improved types of coatings of the suction boxes. K. N. Mazminov, M. B. Basist, M. Kh. Nagimuln. Bum. prom. no. 1:20-21 Ja '67.
- Improvement of polyvinyl chloride coatings in the production of textolite. M. S. Pelukhov and others. Kozh.-ubov. prom. 8 no. 12:21-23 D '66.
- Investigating strength of pipes with protective coatings when undergoing deformation. G. A. Chasov. Neft. khoz. 44 no. 11:37-41 N '66.
- Mastic as a safe protection of panel joints. A. Tagantsev, G. Akhenshtein. Na stroit. Ros. 4 no. 8:25 S '63.
- Pipes with anticorrosive protection. N. M. Kolpovskii, and others. Koks i khim. no. 5:46-49 '62.
- Production of sheet and strip covered with plastic. A. A. Korolev. Stal' 21 no. 11:1018-1019 N '61.
- Protective coatings with synthetic resin bases. V. S. Artemonov. Transp. stroit. 36 no. 3:45-46 Mr '66.
- Rasbrazov, V. A., A. A. Gonik, and S. F. Lushin. [Prevention of paraffin depositions in petroleum production by use of pain and varnish coatings.] Predotvrashchenie otlozheniya parafina pri dobyche nefli s pomoshch'yu lakokraskochnykh pokrytiy. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 81 p.
- Sharapov, V. [Extrusive method of applying polymer materials on shaped metal products.] Ekstruzionnyi metod nanoseniya polimernykh materialov na metallicheskie profil'nye izdeliya. Riga, Latvinskii respubl. inst. naučno-tekhn. informatsii i propagandy, 1966. 6 p. (Listok tekhnicheskoi informatsii; Khimika)

- Study of paint coatings resistant to an acetic acid medium. G. I. Orlovskaya, V. G. Asatryan, A. M. Balalan. Lakokrask. mat. i ikh prim. no. 6:23-25 '66.
- Study of the activity of a corrosion cell with films of hydrocarbon-soluble inhibitors. V. F. Negreev, I. A. Mamedov, I. T. Mamedova. Trudy Inst. khim. AN Azerb. SSR 20:127-137 '61.
- Studying the durability of a series of systems of paint coatings in the process of aging. E. A. Kancyskaya, I. V. Elisevetskaya. Lakokrask. mat. i ikh prim. no. 6:37-40 '66.
- Using polymer materials for the conservation of products of the machine industry. T. N. Malina. Tekhn. org. proizv. no. 6:78-81 N-D '66.
- We discuss and suggest. R. Akhmerov. Neftianik 11 no. 8:24-25 Ag '66.
- Wear resistant coating of the working surface of core boxes. N. S. Tarasova. Tekhn. org. proizv. no. 6:61-64 N-D '66.
- Wetting of molybdenum with various silicate melts. S. S. Katalova, Zhur. prikl. khim. 31 no. 6:1357-1358 Je '61.

## PROTECTIVE COATINGS—CONGRESSES

- Seminar po zhaiostoiim pokrytiyam, Leningrad, 1965. [High-temperature coatings; transactions.] Vysokotemperaturnye pokrytiya, trudy. Moskva, Nauka, 1967. 223 p.

## PROTECTIVE COATINGS—PERMEABILITY

- Determining the permeability of paint films to vapor and water. L. V. Nitsberg, S. M. Fager, L. A. Robina. Lakokrask. mat. i ikh prim. no. 6:41-43 '66.

## PROTECTIVE COATINGS—THERMAL PROPERTIES

- Heat resistance of anti-seizing coatings and protective layers subjected to friction in various gas media. R. M. Matveevskii, O. V. Lazovskaya. Mashinovedenie no. 1, 108-115 Ja-F '67.
- Studying the thermophysical characteristics of paint coatings. L. N. Novichenok, F. M. Smekhov, L. V. Nitsberg. Lakokrask. mat. i ikh prim. no. 6:30-32 '66.

## PROTEIN METABOLISM

- Morphological variability in plants as related to nucleic acids and protein synthesis. M. I. Shkol'nik. Bot. zhurn. 51 no. 12:1755-1773 D '66.
- Relationship between the appearance of C-reactive protein and antibody formation. S. A. Usmanova, M. G. Vlasova-Pollakova. Zhurn. mikrobiol., epid. i immunit. 14 no. 1:136-140 Ja '67.
- Studying protein metabolism in ducklings raised for meat. I. U. M. Nasonov. Vest. sel'khoz. nauk. 11 no. 11:117-119 '66.

## PROTEINASES

- Neutral proteinase activity in brain. E. E. Klein, E. G. Kurtskialit, N. V. Gvalita. Soob. AN Gruz. SSR 44 no. 2:331-336 N '66.

## PROTEINS

- [Biochemistry of leguminous plants; protein substances of seeds and taxonomy of Leguminosae.] Biokhimiya bobovykh rastenii, bobkovykh veshchestva semlin i sistematika bobovykh. Moskva, Nauka, 1967. 84 p.
- Effect of diets with different qualitative composition of animal proteins on excretion and secretion of pancreas in subacute radiation sickness. A. K. Erhov. Vop. pit. 25 no. 6:33-38 N-D '66.
- Effect of potassium nutrition conditions on the phosphorus metabolism and protein synthesis of plants. M. N. Blazhdyn. Vest. AN BSSR. Ser. sel'khoz. nauk. no. 4:24-29 '68.
- Effect of proteins on ribonuclease activity in oleate coacervate. K. B. Serebrovskaya, N. V. Vasil'eva. Dokl. AN SSSR 187 no. 2:457-460 Mr '68.
- Effect of ripening degree and solvents on proteins of chick-pea. V. G. Klimenko, G. B. Leonov. Dokl. AN SSSR 172 no. 1:218-221 Ja '67.
- Effectiveness of the enrichment of protein and vitamin additives with methionine, vitamin group B, and trace elements. I. I. Larov. Khim. v sel'khoz. 5 no. 1:48-52 Ja '67.
- Primary structure of nuclear polyhydrosis virus protein of silkworm. Part 3: C-terminal sequence of amino acids in polyhedrat protein. E. A. Korlov and others. Ukr. khim. zhurn. 32 no. 11:1206-1210 '66.
- Rapid ultrasensitive method of identification of N-terminal amino acids in proteins and peptides by means of thin-layer chromatography. B. G. Belen'kii, E. S. Gankina, V. V. Nesterov. Dokl. AN SSSR 172 no. 1:91-93 Ja '67.
- Relation between fat and protein content of cow milk. L. P. Planovskaya. Vest. sel'khoz. nauk. 11 no. 11:60-68 '66.
- Separation of proteins from unicellular algae. N. S. Klushkina, V. I. Fofanov. Vop. pit. 25 no. 6:3-8 N-D '66.
- Some data on the exchange of vitamin B<sub>12</sub> in young hens as related to the type of protein nutrition with vitamin B<sub>12</sub> additions. I. A. Chzhun'yan. [Yang Chung-yuan]. Dokl. TSKIA no. 45:97-92 '58.

- Thermal effects and reliability of processes in protein and nucleic acid synthesis. A. I. Bykhovskii. Dokl. AN SSSR 171 no. 4:992-995 D '66.
- Use of mycelial fungi in the production of feed proteins from sulfate liquors containing oligosaccharides. T. N. Semushina, N. I. Monakhova. Sborn. trud. NEGS 14:93-105 '65.

## PROTEINS IN THE BODY

- Changes in electrophoretic mobility of brain proteins related to ammonia formation. E. E. Klein, N. V. Gvalita, E. G. Kurtskialit. Dokl. AN SSSR 171 no. 6:1450-1457 D '66.
- Changes in proteins of blood serum and liver of rats following excessive injection of vitamin A. I. V. Krutskova. Vop. pit. 25 no. 6:57-60 N-D '66.

## PROTESTANTISM see subdivision under United States

## PROTEUS (BACTERIA GENUS)—CULTURES AND CULTURE MEDIA

- Metabolism of pyruvic acid in *Proteus vulgaris* OX<sub>19</sub> and its sensitivity to some antibiotics. B. V. Iakovlev. Mikrobiologiya 35 no. 6:907-909 N-D '66.

## PROTONS

- Comparative characteristics of radical states emerging in crystalline thiophene following photon irradiation with the energy of 660 meV and gamma quanta. I. S. Gaponova, S. F. Ginzburg, N. S. Postnikov. Biofizika 11 no. 5:909-910 '66.
- Polarographic study of kinetics of fast proteolytic reactions in water-dioxane solutions. V. O. Gul'tal, S. G. Mal'ra-novskii. Elektr. okhmita 2 no. 12:1414-1419 D '66.
- Role of thermal peaks in radiation-induced decomposition of salts by heavy charged particles. A. N. Chibrikov and others. Khim. i kat. 7 no. 6:1015-1019 N-D '66.

## PHOTONS—MEASUREMENT

- Measurements of 1 - 5 MeV. protons of solar origin by the Venera-2, Venera-3, and Zond-3 stations. S. N. Vernov and others. Dokl. AN SSSR 171 no. 4:817-850 D '66.

## PROTONS—SCATTERING

- Inelastic scattering of neutrons and protons on nuclei. O. H. Syten'ko, V. F. Kharchenko. Ukr. fiz. zhurn. 1 no. 5:569-576 S-O '60.
- Scintillation transducer with 2.5% resolution for 6.6 MeV. protons. T. N. Mikhlinova, D. L. Chuprunov. Vest. Mosk. un. Ser. 3, Fiz. i astr. 21 no. 6:63-68 N-D '66.

## PROTOPLASM

- Microtubules, a new component of cytoplasm. I. R. Tokin. Aikh. anat., gist. i embri. 51 no. 10:3-21 O '66.

## PROTOZOA

- Electron microscopic study of *Lambia muria* in connection with the characteristics of the ecology of this parasite. M. M. Solov'ev, I. U. S. Chentsov. Med. paraz. i paraz. bol. 35 no. 6:667-672 N-D '66.
- Serological comparison of *Leptomonas* strains isolated from mosquitoes with *Leishmania tropica* and *Leishmania* of reptiles. V. M. Sotnikova. Med. paraz. i paraz. bol. 35 no. 6:686-695 N-D '66.
- Variability of the virulent properties of *Entamoeba histolytica*. M. F. Mizigreva. Med. paraz. i paraz. bol. 35 no. 6:673-676 N-D '66.

## PROTOZOA—GENETIC RESEARCH

- Genetics of protozoans and its relation to general genetics. T. M. Sundeborn. Genetika no. 11:31-41 '66.

## PROUST, MARCEL, 1871-1922

- Tolmashev, M. V. [Marcel Proust. The crisis of the modern French novel of the 1920's. Author's abstract of the dissertation for the degree of Candidate in Philosophical Sciences.] Marcel Proust. K voprosu o krizise frantsuzskogo modernizatsionnogo romana 1920-kh gg. Avtoreferat dissertatsii na soiskaniye uchenoi stepeni kandidata filosoficheskikh nauk. Nauch. rukovoditel'—B. I. Purshchev. Moskva, Mosk. gos. pedagog. in-t, 1965. 10 p.

[MICROFILM]

## PRUNE JUICE

- Western Georgia plum varieties for the production of pulp juices. K. P. Kizirila. Kons. i ov. prom. 17 no. 3:25-26 Mr '62.

## PRUT VALLEY—GEOLOGY, STRATIGRAPHIC

- Age of clays covering platform Silurian in region of Sarat'skaya and Koshanskaya keyhole in Dniester-Prut interfluvium. M. M. Danilchik, L. F. Romanov. Izv. AN Mold. SSR no. 8:63-65 '65.

## PRUT VALLEY—GEOMORPHOLOGY

- Geomorphology of the Prut Valley. P. F. Hozhik. Dop. AN URSSR no. 7:842-844 '62.

## PRUT VALLEY—OSTRACODA, FOSSIL

- Fauna of Ostracoda of Upper Quarternary sediments in middle Prut Valley. K. N. Negadnev-Nikonov. Izv. AN Mold. SSR no. 8:12-19 '65.



## PRUZHANY (WHITE RUSSIA)—FRUIT JUICES

Producing juices on the "Universal-1" line. I. N. Zhuravskiy. Prom. Rel. 10 no. 149 Ja '67

## PSEUDOIONONE

Effect of modification on the course of hydrogenation of pseudoionone in the presence of nickel catalysts. L. Kh. Freidlin, L. I. Givintsi, N. V. Boronova. Dokl. AN SSSR 171 no. 4, 663-666 D '66.

## PSEUDOMORPHS see subdivision under Sayan Mountains

## PSEUDOTUBERCULOSIS—MICROBIOLOGY

Some data on the virulence of the pseudotuberculosis microbe. G. V. Ushchenko. Zhur. mikrobiol., epid., i immun. 11 no. 144-144 Ja '67

## PEKEN VALLEY—GEOMORPHOLOGY

Contribution to the history of the geomorphological study of the Peken Valley. Kh. Kh. Shapenov. Izv. Uzb. Ak. Geogr. ob-sh. 9, 66-7 '66.

## PEKOV, LAKE—FISHERIES

Efficient fish farming in Pekov-Chudskoye water body. A. F. Bundarenko. Ryb. khoz. 43 no. 116-17 '67

## PEKOV PROVINCE—BUILDING INSPECTION

Auxiliary building departments. A. Ivanov. Na stroi. Ros. 4 no. 9, 16 S '63

## PSYCHIATRIC HOSPITALS

Two-stage service in the psychiatric hospital. M. Kh. Gornopol'skiy. Zhur. nevrol. i psikh. 62 no. 11, 1748-1750, '62

Variability of mental diseases causing changes in hospital construction. V. P. Kuznetsov. Zhur. nevrol. i psikh. 62 no. 11, 1723-1730 '62.

## PSYCHIATRY

(see also subdivision under Novosibirsk Province)  
Methods of study of the higher nervous activity and their importance in a psychiatric clinic. I. F. Stuchevskiy. Trudy GIDUV no. 1, 4-5 '62.

## PSYCHOLOGY

Aroshevalskiy, M. G. [History of psychology] Istorich. psikhologiya. Moskva, Mysl', 1966. 605 p.  
Some psychological characteristics of the development of convictions. A. K. Petrov. Uch. zap. Sver. gos. ped. inst. no. 35, 38-62 '66.

## PSYCHOLOGY, PATHOLOGICAL

Danilchikov, V. M., V. B. Gus'kov, and I. F. Mingkov. [Medical psychology] Meditsinskaya psikhologiya. Moskva, Meditsina, 1967. 238 p. (DNLM)

## PSYCHOLOGY, PHYSIOLOGICAL

Philosophical problems in the physiology of the higher nervous activity and in psychology. O. A. Krylov, V. I. Chumakov. Zhur. vye. nerv. detat. 12 no. 6, 1080-1086 N-D '62.

## PSYCHOLOGY, RELIGIOUS

Freudian theory in the psychology of religion. A. M. Bolko. Psyl. teol., no. 1, 116-117 '65.

## PSYCHOLOGY OF LEARNING see Learning, Psychology of

## PSYCHOSES

Changes in the electric activity of the brain during attacks of a late traumatic psychosis and its approaching remission. F. N. Markova. Trudy GIDUV no. 4, 145-162 '62.

Clinical aspects and treatment of tularomic psychoses. P. I. Gindov. Trudy Gos. nauch.-issl. inst. psikh. 26, 267-275 '61.

Comparative analysis of defective states in schizophrenia and psychoses of rheumatic etiology. M. I. Poleva. Trudy GIDUV no. 1, 87-90 '62.

Differentiation between schizophrenia and late traumatic psychoses with schizophreniform symptoms. E. N. Markova. Trudy GIDUV no. 4, 113-131 '62.

Interrelations between the hypochondriac and depersonalization syndromes in psychoses developing after encephalitis. T. K. Kashkarova. Trudy GIDUV no. 4, 68-86 '62.

Methodology of the diagnosis of schizophrenia and infectious psychoses. B. Ia. Peivomatskiy. Trudy GIDUV no. 4, 100-101 '62.

Pneumoencephalographic studies of late traumatic psychoses. E. N. Markova. Trudy GIDUV no. 4, 132-144 '62.

Psychoses connected with A<sub>2</sub> influenza in 1957. V. P. Kuznetsov, D. F. Lavrov. Trudy Gos. nauch.-issl. inst. psikh. 26, 233-236 '61.

Role of pathology of the large blood vessels of the head in the pathogenesis of encephalopathy caused by circulatory disorders. G. A. Makadov. Zhur. nevrol. i psikh. 62 no. 11, 1620-1625 '62.

Treatment of psychoses with aminazine. E. Ia. Shumilova. Trudy Gos. nauch.-issl. inst. psikh. 26, 87-90 '61.

## PSYCHOSIS, POLYNEURITIC see Korsakoff's syndrome

## PSYCHOSOMATIC MEDICINE see Medicine, Psychosomatic

## PSYCHOTHERAPY

Slobodanik, A. P. [Psychotherapy, suggestion, hypnosis] Psikhoterapiya, vnushenie, gipnoz. Izd. 2., ispr. i dop. Kiev, Zdorov'ia, 1966. 402 p. (DNLM)

## PUBERTY

Jackiewicz, Elzbieta. [What every girl desires to know. Translated from Polish] O chem khochet znat' kazhdaya devushka. Moskva, Meditsina, 1966. 30 p. (Nauchno-popularnaya meditsinskaya literatura) (DNLM)

## PUBLIC BUILDINGS

The Institute for Public Buildings. A. Z. Danilov. Izv. ASIA no. 3, 130-131 '61.

## PUBLIC HEALTH

(see also subdivision under Cuba; Estonia; Kirovabad)  
Social and economical fundamentals of Soviet public health. S. Ia. Chikina. Sov. med. 30 no. 1, 3-8 Ja '67

## PUBLIC HEALTH ADMINISTRATION see subdivision under Moscow

## PUBLIC HEALTH RESEARCH see subdivision under Kiev

## PUBLIC INSTITUTIONS—ACCOUNTING

(see also subdivision under Serpukhov, Moscow Province)

Dedkov, E. P. [Accounting in public institutions and its centralization] Bukhgalterskiy uchët v bludzhelnykh uchrezhdeniyakh i ego tsentralizatsiya. Moskva, Finansy, 1966. 243 p.

## PUBLIC OPINION

The press and public opinion. E. I. Pronin. Vest. Mosk. un. Ser. II Zhur. 21 no. 6, 27-39 N-D '66.

## PUBLIC PROSECUTORS

(see also subdivision under Czechoslovakia; Moldavia)

Characteristics of the public prosecutors' supervision of the pretrial investigation of criminal offenses committed by minors. A. Kozhevnikov, N. Gukovskaya. Sots. zakon. 2, 10-32 F '67.

The filing of lawsuits is an important part of the public prosecutors' work. Z. Karpenko. Sots. zakon. no. 2, 45-46 F '67.

Follow-up of articles published in our periodical. Sots. zakon. 38 no. 7, 83 JI '61.

Forms and methods of the public prosecutors' supervision of the observance of laws in appellate procedure. A. A. Konakov. Vest. LGU 21 no. 23, 117-127 '66.

How public prosecutors supervise the observance of laws. Sots. zakon. no. 2, 85-88 F '67.

How public prosecutors supervise the observance of laws in the judicial examination of criminal cases. I. Sapozhnikov. Sots. zakon. 38 no. 7, 54-58 JI '61.

How the public prosecutors of the U. S. S. R. supervise the observance of laws. Sots. zakon. 38 no. 7, 89-90 JI '61.

In the Office of the Public Prosecutor of the U. S. S. R. Sots. zakon. 38 no. 7, 77 JI '61.

Ivanov, V. A. [Supervisory functions of public prosecutors in the execution of judicial sentences, a textbook for the "Supervisory functions of public prosecutors in the U. S. S. R." course for the students of evening and correspondence departments] Prokurorskiy nadzor za izpolneniem sudebnogo prigovora; uchebnoe posobie dlia studentov vechernego i zaochnogo otdelenii po kursu "Prokurorskiy nadzor v SSSR" (textbook) Izd-vo Leningr. univ., 1966. 3 studentan vechernikh i zaochny

Raising the qualifications of public investigators. K. Pavlishch. Sots. zakon. 38 no. 7, 46-49 JI '61.

## PUBLIC PROSECUTORS—EDUC.

Raising is an important means of of public prosecutors and crime B. Ia. Koylov. Sots. zakon. no. 1 Work with the cadres should help solve the 23d Congress of the Sots. zakon. no. 2, 81-83 F '67

## PUBLISHERS AND PUBLISHING

(see also subdivision under Uzbekistan)

About the deeply hidden publisher skil. Otkinor! 43 no. 12, 161-162

At the Committee for the Directly attached to the Council of Ministers. Knzh. torg. 18 no. 140 Ja '65

Central Agency for the Distribution. A. G. Gerasimov. Knzh. torg. 17 n Facts and figures. Knzh. torg.

Let us eliminate shortcomings in literature. Knzh. torg. 17 no. 11, 2

The militant program of the Soviet publishing houses V. S. Somov. Knzh. torg. 18 no. 146-64 '61

Public representation councils. G. I. Ichev. Knzh. torg. 17 no. 11, 27 JI '66

Red pages. V. Chernykh. V mire knig 6 no. 6, 8-9 Jo '66.

What type multivolume collected works do readers need? N. Lavrov. Knzh. torg. 18 no. 148-19 Ja '67

Writers' contributions to the remarkable date. Knzh. torg. 18 no. 149-11 Ja '67

## PULLEYS

Calculating and testing sheave with ferropowder ShM-600 clutch for synchronous drive of mud pump. I. N. Sulkanishvili. Mash. i elekt. opor. no. 11, 3-7 '66.

Hand pulleys with lifting capacity of 1.5 tons. P. M. Klemushin. Ryb. prom. 55, 6-7 '66

## PULMONARY CIRCULATION

Cardiac catheterization with graduated physical load in the evaluation of the state of pulmonary circulation in mitral stenosis. V. G. Stranin. IU, S. Petrostan. S. O. Apst. Grud. khir. 9 no. 1, 25-29 Ja-F '67

Rate of pulmonary blood flow before and following mitral commissurotomy. V. A. Ovchinnikov. Grud. khir. 9 no. 1, 30-34 Ja-F '67.

Study of regional ventilation and blood flow in lungs by means of Xe<sup>133</sup>. K. D. Kalantarov and others. Med. rad. 11 no. 12, 14-20 D '66

## PULMONARY EDEMA

Acute edema of the lungs following tonsillectomy. A. I. Shurlov. Zhur. uzh. nos. i gorl. bol. 19 no. 4, 75 JI-Ag '59

Mitral commissurotomy and simultaneous cesarean section in acute pulmonary edema in the eighth month of pregnancy. V. N. Krasnomovets and others. Grud. khir. 9 no. 1, 107-108 Ja-F '67.

Pulmonary edema in white rats and rabbits following introduction of aconitine into the hypothalamus. Ia. A. L. and others. Bluzhetsk. biol. i med. 63 no. 1, 22-26 Ja '67.

## PULMONARY FIBROSIS

Effect of exercise therapy on the saturation of arterial blood with oxygen in pneumosclerosis. V. V. Shigalovskiy. Vop. kur. i fiziot. i lech. fiz. kul't. 31 no. 6, 527-532 '66

## PULMONARY FUNCTION TESTS

Disorders of external respiration and acid-base equilibrium before and following intrathoracic operations. E. Grants. Grud. khir. 9 no. 1, 40-55 Ja-F '67

## PULMONARY HEART DISEASE see Cor pulmonale

## PULSE

Some hemodynamic indices in patients with coronary insufficiency. V. A. Maksimov. Kardiologiya 3 no. 1, 20-23 Jan.-F '63.

Spreading rate of pulse waves as a method for the functional evaluation of the cardiovascular system in persons exposed to chronic radiation. E. A. Denisova. Med. rad. 7 no. 10, 28-32 O '62

## PULSE CIRCUITS

Barsukov, Iu. K. [Pulse circuits using semiconductor devices; manual for correspondence students] Impul'snye skhemy na poluprovodnikovykh priborakh, uchebnoe posobie dlia studentov-zaochnikov. Leningrad, Leningr. elektrotekh. in-t, 1966. 91 p.

Galetskiy, F. P., and L. A. Liubovich. [Special features of the operation and calculation of circuits with tunnel and



## PYRROLOPYRIDINE

Some features of lactam-lactim tautomerism of 6-hydroxy-7-azabenzolene. L. N. Ikhonov and others. Dokl. AN SSSR 172 no. 1:110-111 Ja '67.

## PYRUVIC ACID

Metabolism of pyruvic acid in *Proctos vulgaris* OX10 and its sensitivity to some antibiotics. B. V. Iakovlev. Mikrobiologiya 35 no. 6:907-911 N-D '66.

Q FEVIER see subdivision under Europe, Eastern

QUADRATIC FORMS see Forms, Quadratic

## QUADRATURE FORMULA

Existence of Gaussian-type quadrature formulae exact for functions in Chebyshev-II norm system. V. B. Ryzkin. Dokl. AN SSSR 10 no. 11:821-826 N '66.

Optimal formulae of numerical quadratures for stationary random functions. I. S. Gordin, R. E. Solovchik. Zap. LGI 43 no. 3:18-19 '64.

Plane integration nets. I. V. Vilenkin. Zhur. vych. mat. i mat. fiz., 7 no. 1:100-106 Ja-F '67.

QUADRUPOLE MOMENT see Electric moments

## QUALITY CONTROL

Algorithm for external sorting. V. A. Litvinov. Kibernetika no. 5:93-98 S-O '66.

The Soviet public should control the quality. A. Gakhov. Izvestiya 34 no. 2:17-18 Ja '67.

Unified state system of standard technical specifications and the quality of industrial production. P. A. Panfilov, V. A. Vinogradov. Stand. i tech. 39 no. 11:1-6 N '66.

## QUANTUM CHEMISTRY

Role of ionic states in photosensitized two-quantum reactions of aromatic compounds at 77° K. B. N. Shcheglov and others. Dokl. AN SSSR 172 no. 3:655-658 Ja '67.

Use of the molecular orbitals method with self-consistency in calculating aniline-nitrobenzene and nitrobenzene-phenol complexes. V. I. Duntcheva, S. I. A. Belomlytsev. Izv. vyssh. uchob. zav., fiz. 9 no. 6:162-163 '66.

## QUANTUM ELECTRODYNAMICS

Feynman-Schwinger-Matsumoto approximation. V. F. Noldyshev. Fiz. i zhur. 11 no. 12:1277-1285 D '66.

Motion and radiation of electrons in homogeneous magnetic fields and weak electrostatic fields. V. Ch. Zhukovskii, I. U. A. Kozlov. Izv. vyssh. uchob. zav., fiz. 9 no. 6:11-17 '66.

## QUANTUM ELECTRONICS

Measuring the duration of excited state at high excitation levels. T. K. Razumova. Opt. i spekt., 21 no. 5:617-619 N '66.

Use of optical pumping for studying the decay of neon ions. I. M. Beterov, V. P. Chibrikov. Opt. i spekt., 21 no. 5:654-656 N '66.

Yield of anti-Stokes fluorescence. L. Kozma, J. Hevesi. Opt. i spekt., 21 no. 5:650-651 N '66.

## QUANTUM FIELD THEORY

Description of stable and metastable bound states in the representation of interaction. V. A. Onishchuk. Vest. Mosk. un. Ser. 3: Fiz., astron. 21 no. 6:10-24 N-D '66.

[Dispersion sum rules in the theory of strong interactions] Dispersionnye pravila summ v teorii sil'nykh vzaimodeistviy. [By] V. A. Matveev i dr. Dubna, 1967. 57 p.

Energy spectrum of atomic nuclei in nuclear quantum field theory. A. N. Kuznetsov. Dop. AN UkrSSR no. 12:1567-1572 '66.

Gauge invariance and infrared characteristics of Green's functions of electrons. M. A. Braun. Vest. LGU 21 no. 22:10-24 '66.

Logunov, A. A., and M. A. Mesivirishvili. [Small-angle scattering law and a lower bound for the decreasing amplitude at large angles] Rasselenie na malye ugly nizhnaya granitsa ubyvaniya amplitudy v oblasti bol'shikh uglov. Dubna, 1967. 10 p.

Renormalization in quantum field theory model with three degrees of freedom. V. B. Gostev. Vest. Mosk. un. Ser. 3: Fiz., astron. 21 no. 6:40-50 N-D '66.

Spectrum of elementary excitations of superfluid Fermi systems. I. I. Kushn, I. U. V. Tschmidtrenko. Ukr. fiz. zhur. 4 no. 5:586-602 S-O '66.

Quasars as invariant objects. V. A. Zhelezovskii. Prikl. mat. i mekh. 30 no. 6:1087-1087 N-D '66.

Velkov, M. K. [Four-dimensional unitary relativistic model in quantum field theory without divergences] Chetyrehmernaya unitarnaya relativistskaya model' kvantovoi teorii polya bez raskhodimostei. Dubna, 1967. 17 p.

Weak interaction scheme with two bosons. V. I. Kushn. Vest. Mosk. un. Ser. 3: Fiz., astron. 21 no. 6:10-24 N-D '66.

Zaslavenko, L. G. [Algorithm making it possible to find the eigenfunctions and eigenvalues of the energy operator for some variants of quantum field theory] Algoritmy, pozvolyayushchii najti sobstvennyye funktsii i sobstvennyye znacheniya operatora energii dlya nekotorykh variantov teorii polya. Dubna, 1967. 9 p.

Zaslavenko, L. G. [Quantum theory of a scalar neutral field with  $g\phi^4$  self-action in the case of one spatial degree of freedom] Kvantovoi teorii skalarnogo neutral'nogo polya s samodeistviem  $g\phi^4$  v sluchae odnoi prostiraniyvennoi stepeni svobody. Dubna, 1967. 9 p.

## QUANTUM STATISTICS

Instability of Fermi systems and heat capacity of liquid He<sup>3</sup>. D. A. Kirzhits, I. U. A. Nepomniashchii. Prikl. i zhur. eksp. i teoret. fiz. 1 no. 3:86-90 Ag '66.

## QUANTUM THEORY

Baz', A. I., I. A. B. Zel'dovich, and A. M. Perelomov. [Scattering, reactions, and decays in nonrelativistic quantum mechanics] Rasselenie, reaktsii i raspady v neirelativistskoi kvantovoi mekhanike. Moskva, Nauka, 1966. 339 p.

Characteristics of rotational bands based on levels with  $K = 1/2$ , power engineering. B. S. Dzhelepov, G. F. Danilov. Izv. AN SSSR, Ser. fiz. 31 no. 1:171-178 Ja '67.

Deformed excited states of <sup>38</sup>Ar. 18 20, 18 22, and 12Se. 18 21.

nuclei. B. S. Dzhelepov, L. K. Pekci. Izv. AN SSSR, Ser. fiz. 31 no. 1:181-181 Ja '67.

Determination of high-energy asymptotic behavior of the scattering amplitudes of quantum mechanical particles by energy-dependent potentials. V. I. Mal'chenko. Ukr. mat. zhur. 10 no. 1:102-108 '67.

Equations of quantum hydrodynamics allowing for dissipation processes. V. A. Krasnikov. Vest. Mosk. un. Ser. 3: Fiz., astron. 21 no. 6:57-62 N-D '66.

Quantum oscillations of ultrasonic absorption coefficient in antimony. V. B. Kazanski, A. P. Korotkiy. Fiz. i zhur. 11 no. 12:1348-1349 N '66.

Hydrogen-like wave functions for heavy atoms and ions. P. P. Pavlenko, A. I. Sherstuk. Vest. LGU 21 no. 22:23-31 '66.

Induced absorption spectra of condensed systems. Calculation of the transition component of the main vibration band for liquid hydrogen. M. O. Bulann, M. V. Tonkov. Vest. LGU 21 no. 22:41-49 '66.

Infrared and microwave absorption in ionic crystals at high power level. V. M. Fain. Prikl. i zhur. eksp. i teoret. fiz. 4 no. 3:100-103 Ag '66.

Low-temperature luminescence spectra of indole. G. S. Kembrovskii, V. P. Bobovich, S. V. Konev. Zhur. prikl. spekt. 5 no. 5:683-685 N '66.

Luminescence, absorption, and level diagram of Pr<sup>3+</sup> ion in PbMoO<sub>4</sub> single crystals. A. M. Morozov, E. G. Reut, A. I. Ryskin. Opt. i spekt., 21 no. 5:561-573 N '66.

Main characteristics of Poincaré group extensions. Part I. I. U. A. Ippa. Vest. LGU 21 no. 22:7-18 '66.

Matrix equations describing diffusion of radiation. Part I. N. A. Liskovskii, R. I. Kostik. Astrofizika 2 no. 1:379-389 D '66.

Migdal, A. B., and V. P. Krainov. [Approximate methods in quantum mechanics] Priblizhennyye metody kvantovoi mekhaniki. Moskva, Nauka, 1966. 152 p.

(np-) and (nd-) reactions with calcium at  $E_n = 11$  i Mev. B. Antokovic, D. Miljanic. Izv. AN SSSR, Ser. fiz. 31 no. 1:105-109 Ja '67.

Nuclear effect in n-hSb in quantized magnetic field. M. S. Bressler and others. Prikl. i zhur. eksp. i teoret. fiz. 4 no. 9:348-352 N '66.

Nonadiabatic transitions in solids. V. I. Osherov. Fiz. i zhur. 11 no. 12:1325-1328 N '66.

Nonlinear properties of crystal lattices. G. M. Genkin. V. M. Fain, L. G. Iashchuk. Fiz. i zhur. 11 no. 12:1310-1319 N '66.

Note on mass formulae in unitary symmetry theory. V. G. Kadyshchuk. Dokl. AN SSSR 172 no. 1:73-75 Ja '67.

One method of studying magnetic breakdown in metals. A. A. Slutskan. Prikl. i zhur. eksp. i teoret. fiz. 4 no. 3:90-99 Ag '66.

Phenomenological theory of the symmetry of ordered phases. A. G. Khachatryan. Dokl. AN SSSR 171 no. 4:837-839 D '66.

Probability of passing the potential barrier in an approximation of the generalized Wentzel-Kramers-Brillouin method. Part 2: Symmetrical barriers. N. I. Zhironov. Izv. vyssh. uchob. zav., fiz. 9 no. 6:101-107 '66.

Probability of passing the potential barrier in an approximation of the generalized Wentzel-Kramers-Brillouin method. Part 3: Asymmetrical barriers. N. I. Zhironov. Izv. vyssh. uchob. zav., fiz. 9 no. 6:105-113 '66.

Properties of tightening filters with initial population of the metastable level. R. K. Lashitskaya. Dokl. AN SSSR 10 no. 11:844-846 N '66.

Quantum theory of the photomagnetic effect in semiconductors. V. N. Sobskin. Dokl. AN SSSR 167 no. 2:318-321 Mr '66.

Resonance phenomena for localized oscillations. M. A. Ivanov. Fiz. i zhur. 11 no. 12:1329-1330 N '66.

Ritz's formula and the quantum defects of the spectrum of a radial Schrödinger equation. L. A. Sakharovich. Izv. AN SSSR Ser. mat. 30 no. 6:1297-1310 '66.

Schiff, Leonard Isaac. [Quantum mechanics. Translated from the English] Kvantovaya mekhanika. Moskva, Izd-vo inostr. lit-ry, 1957. 476 p. (PU-EI)

Second initial coefficient for the interaction between atoms with unfilled electron shells. P. M. Keshelman and others. T. plofiz. v. 4 no. 6:801-809 N-D '66.

Self-focusing of light beams with excitation of atoms and molecules of medium in beam. G. A. Askarian. Prikl. i zhur. eksp. i teoret. fiz. 1 no. 10:400-403 N '66.

Some electromagnetic processes on nuclei at high energies. M. P. Rekalov. Ukr. fiz. zhur. 11 no. 12:1286-1295 D '66.

Study of interimpurity recombination between phosphorus and boron in silicon. V. S. Vavilov and others. Fiz. i zhur. 11 no. 12:1310-1310 N '66.

Studying 154Bb radiation. A. A. Gromov and others. Izv. AN SSSR Ser. fiz. 31 no. 1:154-170 Ja '67.

Theory of relaxation under the action of a random external field. G. E. Vekshteyn, G. M. Zaslavskii. Dokl. AN SSSR 172 no. 1:60-72 Ja '67.

Transition probabilities between 5/2-<sup>+</sup>[532] and 3/2-<sup>+</sup>[411] states in <sup>159</sup>Tb, <sup>157</sup>Tb, <sup>155</sup>Tb, and <sup>155</sup>Eu nuclei. I. Koles, J. Zvolisky. Izv. AN SSSR Ser. fiz. 31 no. 1:131-145 Ja '67.

Using algebra of currents for computation of radiation corrections in  $\beta$ -decay constant in theory of intermediate boson. B. L. Ioffe, P. A. v. ed. Zhur. eksp. i teoret. fiz. 1 no. 9:376-378 N '66.

## QUARTZ

[See also subdivision under Chernovtsy Province; Tashkent Province, Ural Mountains]

Method of X-rayed balls for determining crystallographic orientation of individuals in aggregate. B. V. Chesnokov. Min. sbor. 20 no. 1:568-571 '66.

Ultra- and microporosity of quartz crystals. A. S. Shur, I. U. N. Amurlov, N. T. El'dina. Zap. Vses. min. ob-va 95 no. 8:713-718 '66.

Using the method of wet milling in producing artificial powdered quartz. L. I. Tolstoy. Tekh. i org. proizv. no. 6:60-62 N-D '66.

## QUARTZ, EFFECT OF RADIATION ON

Structural changes in quartz at  $\alpha$ - $\beta$  transitions and neutron irradiation. F. V. Kolontsova, I. V. Telegina. Fiz. i zhur. 11 no. 12:1342-1344 N '66.

QUARTZITE see subdivision under Kuznetsk Alatau, Sayan Mountains

## QUATERNIONS

Finite groups whose Sylow 2-subgroup is a direct product of quaternions. V. D. Mazurov. Alg. i log. 5 no. 3:54-57 '66.

## QUEEN MAUD LAND—PHYSICAL GEOGRAPHY

Basic types of the configuration of Queen Maud Land. G. V. Konovalov. Inform. bl. Sov. antark. eksp. no. 20:27-29 '61.

## QUEEN MAUD LAND—ROCKS—MAGNETIC PROPERTIES

Magnetic susceptibility of rocks in the eastern part of the mountains of Queen Maud Land. A. M. Karasik, A. M. Maltavkin, E. N. Zatepin. Inform. bl. Sov. antark. eksp. no. 29:39-42 '61.

## QUEUING THEORY

Asymptotic analysis of some queueing systems. A. A. Borkov. Teor. i aplik. i ee prim. 11 no. 4:675-682 '66.

Ergodic theorem for Markov processes describing general queueing systems. I. I. Pshov, Kibernetika no. 5:79-81 S-O '66.

## QUINONE

Electron paramagnetic method for studying ubiquinones in mitochondria and animal and plant tissues and vitamin K in Escherichia coli. B. V. V. Chumakov, L. P. Kalibchenko, A. C. Kelmanson. Biofizika 11 no. 5:610-613 '66.

Reaction of quinones with sodium. V. Q. Lukashovich, E. N. Dokumina. Dokl. AN SSSR 167 no. 2:357-360 Mr '66.

## RADIES—MICROBIOLOGY

Serological study of "madness" and the antigenic relationships of the pathogenic agent of this disease with other viruses. R. S. Kulonnikova. Nauch. soob. IAFAN SSSR no. 8:125-132 '62.

## RACCON DOG

Lapina, Iga. [Raccoon dog] Jcnolsuna, Riga, Zinatne, 1966. 60 p. [In Latvian]

## RACEHORSES

Russian racehorses for sale. O. Korol'kov. Vneshtorg. 46 no. 12:40-41 '66.

## RADAR

Errors in direction finding using instantaneous amplitude comparison of signals in systems with elliptically polarized antennas. V. A. Filonenko, P. P. Emet'yanov, V. E. Stepanashenko. Radiotekhnika 22 no. 1:68-74 Ja '67.

Three-valued correlation function of the modulation of probing signals of radar. V. A. Geranin, L. G. Krasnyi. Radiotekhnika 22 no. 1:75-80 Ja '67.

## RADAR, MILITARY

"Radio engineering measurements" by A. N. Shusterovich, *Voen. vest.* 41 no. 6 125 Je '61.  
Radar operators improve their classification. *Z. Rovnyi.* *Voen. vest.* 41 no. 6 88-89 Je '61.

## RADAR IN ASTRONOMY

**Fialko, E. I.** [Radiolocation of meteors, some results of observations, theoretical and methodological problems] Radiolokatsiya meteorov, nekotorye rezul'taty nabludeni, voprosy teorii i metodiki, Moskva, Sov. radio, 1967 107 p.

## RADIATION

Matrix equations describing diffusion of radiation. Part I. N. A. Iakovkin, R. I. Kostik. *Istrofizika* 2 no. 4 379-408 D '66.

Spectral and integral functions in transmission of long-wave radiation. F. N. Shekhter. *Trudy GGO* no. 184, 135-140 '66.

## RADIATION—DOSAGE

Increase in the sensitivity of an iron sulfate dosimeter. S. S. Kuznetsova, I. K. Sokolova. *Radiobiologiya* 2 no. 4 626-628 '62.

## RADIATION—CATALOGS

[Catalog of meteorology and nuclear radiation data of the World Data Center B1] *Kat. dan. po meteor. i rad.* rad. Ja-Je '66. Publ. July 1966.

RADIATION—EFFECT ON AMIDES see Amides, Effect of radiation on

RADIATION—EFFECT ON ASCORBIC ACID see Ascorbic acid, Effect of radiation on

RADIATION—EFFECT ON CATALYSTS see Catalysts, Effect of radiation on

RADIATION—EFFECT ON ENZYMES see Enzymes, Effect of radiation on

RADIATION—EFFECT ON ETHYLENE see Ethylene, Effect of radiation on

RADIATION—EFFECT ON FETUS see Fetus, Effect of radiation on

RADIATION—EFFECT ON FOOD see Food, Effect of radiation on

RADIATION—EFFECT ON GALLIUM ARSENIDE CRYSTALS see Gallium arsenide crystals, Effect of radiation on

RADIATION—EFFECT ON GALLIUM ARSENIDES see Gallium arsenides, Effect of radiation on

RADIATION—EFFECT ON HYDROCARBONS see Hydrocarbons, Effect of radiation on

RADIATION—EFFECT ON LEATHER see Leather, Effect of radiation on

RADIATION—EFFECT ON METHANOL see Methanol, Effect of radiation on

RADIATION—EFFECT ON METHYLAMINE see Methylamine, Effect of radiation on

RADIATION—EFFECT ON NERVOUS SYSTEM see Nervous system, Effect of radiation on

RADIATION—EFFECT ON NICOTINE ACID see Nicotinic acid, Effect of radiation on

RADIATION—EFFECT ON PERMALLOYS see Permalloys, Effect of radiation on

RADIATION—EFFECT ON PLANTS see Plants, Effect of radiation on

RADIATION—EFFECT ON POLYMERS see Polymers, Effect of radiation on

RADIATION—EFFECT ON POLYPROPYLENE see Polypropylene, Effect of radiation on

RADIATION—EFFECT ON QUARTZ see Quartz, Effect of radiation on

RADIATION—EFFECT ON SALTS see Salts, Effect of radiation on

RADIATION—EFFECT ON SELENIUM CRYSTALS see Selenium crystals, Effect of radiation on

RADIATION—EFFECT ON SILICON CARBIDE see Silicon carbide crystals, Effect of radiation on

RADIATION—EFFECT ON SILICON CRYSTALS see Silicon crystals, effect of radiation on

RADIATION—EFFECT ON SOLIDS see Solids, Effect of radiation on

RADIATION, EFFECT ON STEEL see Steel, Effect of radiation on

RADIATION—EFFECT ON SULFURIC ACID see Sulfuric acid, Effect of radiation on

RADIATION—EFFECT ON WATER see Water, Effect of radiation on

## RADIATION—PHYSIOLOGICAL EFFECT

Acquired radioresistance. S. I. Arbutov, P. I. Lomonos. *Radiobiologiya* 2 no. 4 513-522 '62.

Cytogenetic effect of radiation in man. N. P. Bochkov. *Med. rad.* 11 no. 12 45-52 D '66.

Dielectric structure of a liver cell and its change under the action of radiation and cysteine. K. S. Trinchin, A. A. Mikhailova. *Radiobiologiya* 2 no. 4 523-529 '62.

Effect of ionizing radiation on the content of easily separable iron in the blood serum. O. N. Elpat'evskaya. *Med. rad.* 7 no. 10 67-68 O '62.

Effect of some monomers on the biological functions of yeast cells subjected to irradiation. I. U. P. Korlov, A. I. Gorn, F. Bernetski, *Radiobiologiya* 2 no. 4 539-542 '62.

Immunological disorders caused by radiation in the light of the new theories of immunity. V. L. Troitskii. *Usp. sov. biol.* 52 no. 1 53-64 Ji-Ag '61.

Materials on blastomogenic effect of ionizing radiation on tissue structures of central nervous system. I. N. Dinnat and others. *Arkh. anat., gist. i embri.* 51 no. 12 61-70 D '66.

Some indices of the mitotic activity of bone marrow following the effect of ionizing radiation on the body. M. N. Gorizontova. *Med. rad.* 11 no. 12 55-56 D '66.

Study of the antigen structure of the globulin fraction from a tissue perfusate of irradiated dogs. G. M. Litayeva, I. U. D. Baika. *Radiobiologiya* 2 no. 1 590-594 '62.

Surgical treatment of radiation ulcer of the finger. V. A. Berdnikov. *Med. rad.* 12 no. 1 88-89 Ja '67.

Transplantation of the hematopoietic tissue in irradiated animals. E. A. Lurita. *Usp. sov. biol.* 52 no. 1 65-78 Ji-Ag '61.

## RADIATION—SAFETY MEASURES

**Fedorov, N. P.** [On-the-job safety for construction around ionizing radiation] *Bezopasnost' rabot na stroitel'stve v usloviakh ioniziruyushchikh izlucheni.* Moskva, Stroiizdat, 1966 58 p.

General concepts and use of RBE for the purpose of radiation protection. Factor of quality, data on materials presented in the "Report of the Committee of Relative Biological Effectiveness of the International Commission of Radiological Units and Measurements." G. M. Avotiev. *Med. rad.* 12 no. 1 72-80 Ja '67.

Methodology of work safety control in using sources of ionizing radiation. A. V. Teiman. *Med. rad.* 11 no. 12 43-44 D '66.

Modern safety measures used against irradiation in X-ray diagnosis. I. Bolter, Gy. Koczka. *Vest. rent. i rad.* 11 no. 6 91-98 N-D '66.

Prevention of death in rats by screening part of the bone marrow during irradiation. N. F. Gronskaia. *Biul. eksp. biol. i med.* 63 no. 127-30 Ja '67.

Some problems in radiation protection of the medical personnel in work for large focus distance gamma therapy. V. I. Golikov and others. *Med. rad.* 7 no. 10 59-62 O '62.

RADIATION OIL WELL LOGGING see Oil well logging, Radiation

## RADIATION—PROTECTIVE AGENTS

Effect of some monomers on the biological functions of yeast cells subjected to irradiation. I. U. P. Korlov, A. I. Gorn, F. Bernetski, *Radiobiologiya* 2 no. 4 539-542 '62.

Effect of some radioprotective agents on the oxygen level in tissues as related to their influence on animal radiosensitivity. K. A. Zeitunian, M. M. Konstantinova, L. F. Semenov. *Radiobiologiya* 2 no. 4 616-619 '62.

Possibility for explaining protective action of polyanions and cysteine in radiolysis by energy transmission mechanism. V. K. D. molev and others. *Biophysika* 11 no. 5 805-809 '66.

Review of L. A. Titov, G. A. Vasil'ev and V. P. Paribok's book "Radiation-protective agents, a manual." P. P. Sakonov. *Radiobiologiya* 2 no. 4 639 '62.

Use of sulfur-containing compounds in the prevention of radiation lesions of the organism. A. P. Kiril'shchikov. *Med. rad.* 7 no. 10 77-85 O '62.

## RADIATION SICKNESS

Autotransplantation of bone marrow cells in experimental radiation sickness. G. S. Strelin, N. K. Shmidt, A. K. Rialukha. *Radiobiologiya* 2 no. 4 561-566 '62.

Autotransplantation of bone marrow cells in the treatment of radiation sickness produced in rats by fractional irradiation. G. S. Strelin, N. K. Shmidt. *Med. rad.* 7 no. 10 44-51 O '62.

Case of radiation sickness caused by internal irradiation. E. I. Saifonov, V. P. Shamov, V. M. Matyukhin. *Med. rad.* 12 no. 1 52-62 Ja '67.

Changes in the immunogenic reactivity and morphology of reorganization of the lymphoid tissue in various stages of radiation sickness. A. I. Pollak. *Med. rad.* 7 no. 1 51-55 O '62.

Determination of the circulation rate of Cr<sup>51</sup>-labeled transfused thrombocytes in acute radiation sickness. M. G. Shitkova, G. I. Kozinets. *Med. rad.* 7 no. 10 41-44 O '62.

Diurnal rhythm of mitotic division of thymus lymphocytes in normal people and in people with acute radiation sickness. I. U. P. Khussat. *Arkh. anat., gist. i embri.* 51 no. 10 109-112 O '66.

Effect of cocaine on the healing of closed fractures in irradiated animals. F. Kh. Seifullin. *Med. rad.* 7 no. 1 53-59 O '62.

Effect of diets with different qualitative composition of animal proteins on excretion and incineration of pancreas in subacute radiation sickness. A. K. Ezhov. *V. pr.* 25 no. 6 73-78 N-D '66.

Effect of ionizing radiation on sugar and lactic acid dynamics in the liver of rats. V. A. Kostromskaya. *Radiobiologiya* 2 no. 4 558-560 '62.

Effect of small doses of glyocorticoids in acute radiation sickness. V. D. Rogozkin, V. P. Fedotov, K. S. Chernov. *Med. rad.* 12 no. 1 89-91 Ja '67.

Effect of the biocenosis of intestinal microflora on the development of radiation sickness. H. H. Vasylenko, I. I. Nohachev'skyi. *Mikrobiol. zhur.* 24 no. 5 55-59 '62.

Effect of the taking of bone marrow on the morphology of hematopoietic organs of irradiated recipients. K. K. Zaitseva. *Arkh. pat.* 28 no. 12 38-43 '66.

Evaluation of a new Soviet preparation rose bengal, data on the experimental use under normal conditions and in radiation sickness. V. V. Sedov and others. *Med. rad.* 7 no. 10 15-21 O '62.

Experimental hemotherapy of acute radiation sickness. V. V. Babuk, A. A. Chevlytko. *Med. rad.* 11 no. 12 51-58 D '66.

Medicinal stimulation against the background of multiple immunization in radiation lesions. A. D. Evtusheva. *Med. rad.* 11 no. 12 62-63 D '66.

Permeability of Selye's adrenals to some radioactive isotopes in acute radiation sickness. N. P. Ushkov. *Radiobiologiya* 2 no. 4 533-538 '62.

Prevention of death in rats by screening part of the bone marrow during irradiation. N. F. Gronskaia. *Biul. eksp. biol. i med.* 63 no. 127-30 Ja '67.

Radiosensitivity and the course of radiation sickness in various rodent species following irradiation in LD<sub>50/30</sub> and LD<sub>100/30</sub> doses. M. A. Bologozov. *Sov. AN Gruz. SSR* 44 no. 3 749-756 D '66.

Some data on catechol amines and their oxidations in radiation sickness. B. B. Moizov, S. P. Grozdov, E. M. Petrovina. *Radiobiologiya* 2 no. 4 543-547 '62.

Spreading rate of pulse waves as a method for the functional evaluation of the cardiovascular system in persons exposed to chronic irradiation. E. A. Denisova. *Med. rad.* 7 no. 10 28-32 O '62.

Use of fluorescence microscopy in the detection of early changes in peripheral blood under the effect of ionizing radiation. L. A. Leshchinskii, V. V. Trusov, E. V. Ilyashentsev. *Med. rad.* 7 no. 10 32-35 O '62.

## RADIATION STERILIZATION

Preventing the proteolytic deterioration of irradiated meat. M. P. Silaev. *Kons. i ov. prom.* 17 no. 3 115 Mr '62.

## RADICALS (CHEMISTRY)

Determining parameters of electron paramagnetic resonance spectra of free radicals with the help of internal standard. I. G. Kharitonov. *Biophysika* 11 no. 5 800-808 '66.

Kinetics of the formation and output of free radicals in gamma radiation of some enzymes. T. E. Morozhinskaya, G. R. Rik. *Vest. sel'khoz. nauk* 11 no. 11 104-106 '66.

Radical distribution of radicals in diffusion flame with the allowance for quadratic recombination. B. V. Pavlov, L. I. U. Ruzin. *Kin. i kat.* 7 no. 6 991-998 N-D '66.

Transformations of free radicals under the effect of light in  $\gamma$ -irradiated methylamines. G. V. Pukhal'skaya, A. G. Kotov, S. I. A. Pechenetski. *Dokl. AN SSSR* 271 no. 6 1380-1383 D '66.

## RADICALS (CHEMISTRY)—SPECTRA

Absorption spectra of some free radicals of azoxydiphenyl series. M. N. Volkotrub, E. G. Rozantsev, L. A. Skripko. *Izv. AN SSSR, Ser. khim.* no. 1 179-182 Ja '62.

Electron paramagnetic resonance spectrum of radicals carrying on tetrafluoroethylene polymerization chain. A. S. Baberkin, V. G. Pechnikov, E. V. Volkova. *Kin. i kat.* 7 no. 6 1004-1005 N-D '66.

## RADIO

Entering the 50th year of the revolution. *Radio* no. 11-2 N '66.

## RADIO—COMPETITIONS

Match among five countries. *G. Solov'ev. Radio* no. 11-8-9 N '66.

Tournament of the "hunters." *Radio* no. 11-14-15 N '66.

## RADIO-EQUIPMENT AND SUPPLIES

In foreign countries Radio no 11:55-56 N '66  
In the Ministry of the Radio Industry. G Vasil'chuk.  
Mst. tekhn. anal. 1 no 4:92 O '66  
On consultations Radio no 11:60-61 N '66  
Pisnev, A. I. [Control mechanisms in radio apparatus]  
Mekhanizmy upravleniya v radioapparature, Moskva,  
Energiya, 1966, 106 p. (Biblioteka po radioelektronike,  
no. 4)  
Technical advice Radio no 11:51 N '66.

## RADIO-HANDBOOKS, MANUALS, ETC.

Dubovner, A. N. [Signals of radio systems and their  
spectral analysis; a manual on the theoretical fundamen-  
tals of radio engineering] Signaly radiosistem i ikh spek-  
tral'nyy analiz, uchebnoe posobie po teoreticheskim osno-  
vam radioelektroniki Leningrad, Severo-Zapadnyi nauch-  
nyy politekh. in-t, 1965 82 p.

## RADIO-HISTORY

Centennial radio A Nikolaev. Radio no 11:3-5 N '66.

## RADIO-MATERIALS

Russia (U.S.S.R.) Gosudarstvennyi komitet standartov,  
mer i izmeritel'nykh priborov. [Materials of ceramic  
radio engineering] Materialy keramicheskoy radio-  
elektroniki GOST 5458-64 Izd. ofitsial'noe Mo-  
skva, [Izd-vo Standartov, 1964] 16 p. (SSSR Gosudar-  
stvennyi standart)

## RADIO, MILITARY

Awards of the motherland V. Lebedev. Radio no 11:16  
N '66  
Communications in the battalion in an attack. A. Borisen-  
vich. Voenn. vest. 41 no. 6:47-49 Je '61.  
Heroic assistant of the Soviet army N. G. Gileva.  
Radio no 11:12-13 N '66  
Mighty wings of amateur radio. V. Koval' Radio no 11:  
10-11 N '66  
Shock brigades of shortwave radio operators. V. Dobro-  
vol'skiy Radio no 11:13 N '66  
Solution for the problem in communications published  
in No. 1 of "Voennyi Vestnik." Voenn. vest. 41 no. 6:102  
Je '61.  
Unknown call letters N Vasil'ev. Radio no 11:16 N '66

## RADIO, SHORTWAVE

"Radio communication via meteorites" by M. N. Arone.  
Voenn. vest. 41 no. 6:125-126 Je '61.

## RADIO, SHORTWAVE-ANTENNAS

Antenna amplifier for 430-440 Mc. operation R. Ivanov  
Radio no 11:9 N '66

## RADIO, SHORTWAVE-RECEIVERS AND RECEPTION

Smogilev, K. A., I. V. Voznesenskii, and L. A. Filippov.  
[Microwave receivers] Radiopriemniki SVCh, Mo-  
skva, Voenizdat, 1967, 555 p.

## RADIO ASTRONOMY

Radio emission from CTA 21 and CTA 102 in the one-  
meter band. R. D. Dagesanianskii, T. V. Shabanova.  
Astrorizika 2 no 1:443-450 D '66.

## RADIO CIRCUITS

Harmonic analysis of inertialess nonlinear networks.  
S. K. Sevin. Radiotekhnika 22 no. 1:10-14 Ja '67.  
Transfer characteristics of distributed uniform R-C-NR  
structures. R. S. Kilmotov, F. B. Mekhantsev. Radio-  
tekhnika 22 no. 1:63-67 Ja '67.

## RADIO IN THE PETROLEUM INDUSTRY

Using radioelectromechanical systems in central control of  
oil field industrial installations. R. M. Rozu. Neft' khoz.  
44 no. 10:37-38 O '66.

## RADIO MEASUREMENTS

Automatic registration of radio signal levels. S. G.  
Mazmanitsvili. Avtom., telem., i svyaz' 10 no. 11:34-35  
N '66  
"Radio engineering measurements" by A. N. Shusterovich.  
Voenn. vest. 41 no. 6:125 Je '61

## RADIO METEOROLOGY

Nashev, D. N. [Radio meteorology] Radiometeorologiya.  
Izd. 2., perer. Pod red. A. Kh. Khirgana, Moskva,  
Nauka, 1966, 330 p.

## RADIO OPERATORS

Step toward mastery. N. Kazanskii. Radio no 11:17-18  
N '66

## RADIO OPERATORS-COMPETITIONS

Radio operators are improving their speed. A. Razumov.  
Radio no 11:15 N '66

## RADIO RELAY SYSTEMS

Method for calculating nonlinear transitions in the high-  
frequency channel of multichannel radio relay systems.  
S. V. Borodich. Elektrosvyaz' 21 no. 1:1-12 Ja '67.

## RADIO RESONATORS

Piezo-quartz resonators. L. Glikman. Radio no 11:40-  
42 N '66.

## RADIO TOWERS-VIBRATION

Dynamics of towers on diagonal guy wires. B. A. Roigauz.  
Stroitel'skiy Uzb. 7 no. 12:37-40 D '66.

## RADIO TRANSFORMERS

Calculation of the passive parameters of wideband trans-  
formers IU S. Rusin. Radiotekhnika 22 no. 1:107-108  
Ja '67

## RADIO WAVE PROPAGATION

Device for recording signal and interference levels. A. A.  
Tantsura, S. M. Trofim. Avtom., telem., i svyaz' 10  
no. 11:3-5 N '66

## RADIO WAVE PROPAGATION IN THE IONOSPHERE

see Ionospheric radio wave propagation

## RADIOACTIVATION ANALYSES

Activation analysis with the use of the matrix method.  
I. N. Plakshin, L. P. Starchik, V. T. Tustanovskii. Dokl.  
AN SSSR 172 no. 1:104-108 Ja '67.

Physical methods of production control in industrial  
building. A. Khudenko. Prom. stroit. i inzh. soor.  
8 no. 6:9-10 N-D '66.

Plakshin, I. N., and L. P. Starchik. [Nuclear physics meth-  
ods for analyzing materials, nuclear reactions and ac-  
tivation analysis] Iadno-fizicheskie metody kontrolya  
veshchestvennogo sostava; yadernye reaktsii i aktivatsion-  
nyy analiz. Moskva, Nauka, 1966, 201 p.

Radiometric analysis of P(Active)Cl<sub>2</sub> preparations for  
P(Active)OC<sub>2</sub> impurity. V. M. Gorbachev, E. I. Torgova.  
Radiokhimiya no. 8:710-711. '66

## RADIOACTIVE PROSPECTING

Using ultrasonic and radio wave measuring methods in  
mining. A. A. Ivanov and others. Izv. vys. ucheb. zav. ;  
gor. zhur. 8 no. 10:138-142 '65

## RADIOACTIVE SUBSTANCES-DECAY

Measuring accuracy and the existence of a solution to the  
radioactive decay problem. A. A. Kornelchuk, Zhur.  
vyrch. mat. i mat. fiz. 7 no. 11:18-22 Ja-F '67.

RADIOACTIVE SUBSTANCES IN SOILS see Soils,  
Radioactive substances in

## RADIOACTIVITY-MEASUREMENT

Dosimetric control. I. Kirvlin. Voenn. vest. 41 no. 6:  
49-51 Je '61.  
Radiation and chemical reconnaissance. V. Nesierov.  
Voenn. vest. 41 no. 6:102-105 Je '61.

## RADIOACTIVITY-SAFETY MEASURES

Radiation is weakened a hundred times. L. Krasnov.  
Voenn. zhurn. 13 no. 1:27 Ja '67.

## RADIOBIOLOGICAL RESEARCH

Brief characteristics of plankton samples for radiobiolog-  
ical analyses. A. F. Fedorov. Radiobiologiya 2 no 4  
620-625 '62.

## RADIOBIOLOGY-CONGRESSES

Conference of radiobiologists. R. K. Arutunian. Biol.  
zhur.-Arm. 19 no. 12:107-108 D '66

## RADIOCARBON DATING

Radioecarbon in wood from areas of recent volcanism.  
L. D. Sulerzhitskii, V. S. Forova. Dokl. AN SSSR 171  
no. 6:1421-1423 D '66.

## RADIOCHEMISTRY

Chemical reactions of primary recoil atoms of <sup>14</sup>C and  
secondary high energy displaced atoms of <sup>12</sup>C in solid  
amino acids. L. P. Firsova, A. Videnkheft. Radio-  
khimiya no. 6:682-690 '66.

Makarov, L. L. [Course in applied radiochemistry] Kurs  
prikladnoy radiokhimi. [Leningrad] Izd-vo Leningr.  
univ., 1966, 202 p.

Possibility for explaining protective action of polysanons  
and cysteine in radiolysis by energy transmission  
mechanism. V. K. Ermolov and others. Biofizika 11  
no. 5:803-809 '66.

Problems of the radiochemistry of water solutions. V. A.  
Shimpatyi. Usp. khim. 30 no. 5:645-678 My '61.

Radiation-catalytic transformation of methanol in the  
adsorption layer on silica gel samples varying in  
specific surface area. V. I. Vladimirova and others.  
Dokl. AN SSSR 172 no. 3:629-632 Ja '67.

Radiation-chemical studies of liquid polyorganosiloxanes  
with variable content of aromatic groups in main chain  
of side ramification of molecules. T. I. Ponomareva  
and others. Kin. i kat. 7 no. 6:983-989 N-D '66.

Radiochemical purification of <sup>55</sup>Fe isotope. L. D. Danilov,  
A. A. Druzhinin, A. I. Pavlova-Verevskina. Radiokhimiya  
no. 6:712-714 '66.

Reactions of <sup>14</sup>C recoil atoms in mixtures  $\alpha$ -picoline-  
toluene. L. P. Firsova. Vest. Mosk. un. Ser. 2; Khim.  
21 no. 6:105-106 N-D '66.

RADIO-FREQUENCY COSMIC RADIATIONS see Cosmic  
radiations, Radio-frequency

## RADIOGENETICS

Radiosensitivity of nuclear cell apparatus in various or-  
gans of mammalian embryos. T. D. Osetrova, I. I. A.  
Kerkis, L. M. Motozova. Genetika no. 12:66-77 '66

## RADIOGRAPHY

Akademiya nauk URSS, Institut radiofiziki i elektroniki.  
[Radiographic studies of sea waves] Radiograficheskie  
issledovaniya morskogo volneniya. Pod red. S. I. A.  
Duda. Kiev, Izd-vo Akad. nauk URSS, 1962, 114 p.  
(Wau)

Period of protein synthesis in leucocytes of human peri-  
pheral blood cultivated in vitro, a radiographic study  
I. A. Levina, S. I. Polikarpova, I. M. Shapiro. Dokl.  
AN SSSR 171 no. 4:988-991 D '66.

## RADIOISOTOPE SCANNING

Methodology for scanning the liver with <sup>31</sup>P-labeled rose  
bengal in oncology. M. A. Volkova, N. V. Obukhov, V. Z.  
Agranat. Med. rad. 7 no. 10:8-15 O '62.

## RADIOISOTOPES

Synthesis of AzNII-4 and AzNII-7 additives with radio-  
active sulfur and calcium. M. M. Melik-Zade and others.  
Sbor. trud. Az. NII NP no. 3:243-248 '58.

## RADIOISOTOPES-INDUSTRIAL APPLICATIONS

Effect of the structure of the measured material and its  
geometrical disposition in the pickup unit on the measur-  
ing characteristics of the apparatus. A. N. Slatinskii.  
Nauch.-issl. trudy TSNKHBH za 1963 g. 121-127

Methods of observing moisture transfer in drying milled  
peat of a low degree of decomposition. M. P. Volara-  
vich, N. I. Gamsalov, A. P. Poluncheva. Izv. vys.  
ucheb. zav. ; gor. zhur. 8 no. 10:27-31 '65.

Radioisotope apparatus for meteorological and engineering  
geological studies. E. Zhukov. Inform. biul. VDNKH  
no. 1:36-37 Ja '67.

RADIOLOGIC DIAGNOSIS see Diagnosis, Radiologic

## RADIOLOGISTS-DISEASES AND HYGIENE

Evaluation of health state in persons working with radio-  
active isotopes in scientific research institutions. N. I.  
Gorbatenko. Med. rad. 11 no. 12:25-32 D '66.

Some problems in radiation protection of the medical  
personnel in words for large focus distance gamma  
therapy. V. A. Golikov and others. Med. rad. 7 no. 10:  
59-62 O '62.

## RADIOLOGY, MEDICAL

Basic trends of scientific research in medical radiology  
and roentgenology during the last five years. G. A.  
Sedgeniz and others. Med. rad. 12 no. 1:3-9  
Ja '67.

## RADIOLOGY, MEDICAL-CONGRESSES

(see also subdivision under Poland)

All-Union symposium on the exchange of experience in  
teaching methodology and research work for roentgen-  
ology and radiology department heads of institutes for  
postgraduate studies by physicians. A. A. Lemberg,  
V. B. Antonovich, E. A. Nemits. Vest. rent. i rad. 11  
no. 6:50-55 N-D '66.

2d All-Russian Congress of Roentgenologists and Radio-  
logists. A. N. Kishkovskii. Med. rad. 11 no. 12:83-85  
D '66.

2d All-Russian Congress of Roentgenologists and  
Radiologists. L. L. Kevash. Vest. rent. i rad. 11  
no. 6:95-102 N-D '66.

## RADIOLOGY, MEDICAL-EQUIPMENT AND SUPPLIES

Combined rigid applicator for radioactive cobalt therapy  
of cancer of the cervix uteri. A. I. Shramenko. Med. rad.  
7 no. 10:63-66 O '62.

Modification of the tubes of the LKUF-3 apparatus for  
irradiation of the tonsils and nose. M. L. Smolenskii,  
O. A. Ivanova. Vop. kur. i fizioter. i lech. fiz. kul't. 31  
no. 6:564-565 '66.

X-ray examination of the temporomandibular joint by  
means of an image converter tube. O. G. Shamaeva,  
N. A. Rabukhina. Vest. rent. i rad. 11 no. 6:41-44  
N-D '66.

## RADIOLOGY, MEDICAL-PATENTS

Recommendations for the compilation of claims for pro-  
spective inventions in the field of medical radiology. I. A.  
Goubechin. Med. rad. 11 no. 12:32-39 D '66.

## RADIOMETRY

Accelerated method of the selection and calculation of  
dosage fields in large focus gammatherapy of deeply  
situated tumors by means of the multifield technique  
on rotation gamma-ray unit. B. M. Afiev, I. I.  
Mistunova, T. G. Ratner. Med. rad. 12 no. 1:83-71  
Ja '67.

Calculation of Sr<sup>90</sup> doses. V. M. Malykhin. Med. rad.  
11 no. 12:20-24 D '66.

Comparative dosimetric characteristics of methods of  
large focus irradiation of the hypophysis with large  
and small fields. R. V. Stavitskiy, L. G. Slavin. Med.  
rad. 12 no. 1:10-14 Ja '67.

Dosimetric substantiation of gammatherapy with a grid.  
L. V. Novikova and others. Med. rad. 12 no. 1:14-18  
Ja '67.



## RADIOMETRY (Continued)

Evaluation of a new Soviet preparation rose bengal data on the experimental use under normal conditions and in radiation sickness. V. V. Seduk and others. Med rad 7 no. 10 15-21 O '62

Limits of radioindication method in malignant neoplasms using P<sup>32</sup>. V. Kh. Krenkuk, S. V. Sheleioikova. Med rad, 12 no. 1 12-16 Ja '67.

Methodology for determining lead standards in X-ray diagnosis rooms. V. P. Viktorova, L. N. Gorelova, F. I. Glazin. Vest rent i rad, 11 no. 6 66-70 N-D '66

Resolving power of radiocomparison and radiogoniometry method in mapping rocks. I. U. B. Shaub. Izv AN SSSR Fiz zem no. 12 67-70 '66.

Significance of radiation load on organs and tissues in radiotherapy, of some malignant neoplasms and lymphogranulomatosis. L. V. Fumshstein and others. Med. rad, 12 no. 1 35-42 Ja '67

Using radiocomparison and radiogoniometry methods in all-boine electromagnetic prospecting over isometric ores. I. U. B. Shaub. Izv AN SSSR Fiz zem no. 12 62 66 '66

## RADIOMETRY—EQUIPMENT AND SUPPLIES

Apparatus for automatic calculation and recording of the radioactivity of chromatograms. V. F. Markelova, V. I. Tatarskiy, K. I. Starodub. Med rad 11 no. 12 40-42 D '66

Method of plotting isodose curves for "Luch-1" gamma unit. E. G. Blumkin. Med rad 11 no. 12 53-54 D '66

## RADIOSONDES

Radiosonde for sounding lower layer of atmosphere. S. I. Nepomniashchii. Trudy NIIGMP no. 15 20-27 '66.

A-60 radiosonde. I. N. Shevchenko. Trudy NIIGMP no. 15 13-19 '67

## RADIOTELEGRAPH

Carrying capacity of a meteor trail frequency telegraphy channel subject to the action of noises and ionospheric scatter signals. I. U. F. Kribov. Elektrosvyaz' 21 no. 1 31-36 Ja '67.

## RADIOTHERAPY

(see also subdivision under Tekhnika)

Blood coagulation and fibrinolysis in cancer of cervix uteri following radiotherapy. J. Musiatowicz and others. Med rad 11 no. 12 10-14 D '66

Changes in the morphological composition of the peripheral blood in children exposed to roentgenological epilation in fungus diseases of the scalp. I. I. Piltzer, E. G. Doigov. Med rad, 7 no. 10 35-38 O '62

Comparative dosimetric characteristics of methods of large focus irradiation of the hypophysis with large and small fields. R. V. Stavitskiy, L. G. Slavin. Med. rad 12 no. 1 10-14 Ja '67.

Dosimetric substantiation of the method of biaxial pendulum radiotherapy in malignant tumors of the uterus. A. V. Frolova and others. Med rad 11 no. 12 3-7 D '66

Effect of radiotherapy on intraocular pressure in tumors of hypophysis. L. G. Slavin, I. G. Mamin. Med rad 11 no. 12 7-10 O '66

Exavolt radiotherapy, a review. S. B. Balmukhanov. Vest. rent. i rad, 11 no. 6 70-75 N-D '66.

Methodology for roentgenological epilation in mycoses of the scalp. A. G. Suntsov. Med rad 7 no. 10 25-27 O '62.

Far-focus roentgenotherapy of skin cancer, data from Soviet literature. B. A. Konnov. Med rad, 7 no. 10 70-77 O '62

Radiotherapy in cancer of the lungs complicated with compression syndrome. I. A. Pereslegin, A. I. Harkanov. Vop. onk 13 no. 1 25-29 '67.

State of regional metastases in cancer of the cervix uteri in the second stage following combined radiotherapy. E. B. Rozenkul, G. M. Soroka. Vop. onk, 13 no. 1 81-83 '67.

X-ray study of the external respiration in patients with primary cancer during radiotherapy. Z. E. Dzukaev, Sbor. nauch. trud. SOGMi no. 10 97-101 '61

## RADIOTHERAPY—COMPLICATIONS AND SEQUELAE

Case of a tumor-like radiation lesion of the bladder following X-ray treatment of ovarian cystoma. I. U. Kh. Sarkistan. Med. rad, 7 no. 10 38-41 O '62.

## RADIOTHERAPY—SIDE EFFECTS

Aggravation of the inflammatory process in pulmonary cancer during radiotherapy. T. A. Noseniuk. Vop. onk, 13 no. 1 106 '67.

Stable recovery from cancer of the tongue complicated by radiation necrosis of the mandible. V. V. Akulinicheva. Med. rad, 12 no. 1 31-35 Ja '67.

Use of lymphography in the determination of radiation changes and metastatic lesions of the lymphatic system of the pelvis. E. E. Vishnevskaya, E. V. Trushnikova. Vop. onk, 13 no. 1 32-38 '67.

## RADON

Emanation-thermal study of thorium formate, acetate, propionate, and butyrate. R. Telnar, K. B. Zaborenko. Vest. Mosk. un. Ser. 2 Khim. 21 no. 6 64-68 N-D '66.

## RADON—THERAPEUTIC USE

Effect of radon baths on the pain syndrome in spondyloarthritis. N. N. Vengerova. Vop. kur., fizioter. i lech. fiz. kul't 31 no. 6 517-520 '66

Present-day state of research in the sphere of alpha-therapy. I. I. Gussakov. Vop. kur., fizioter. i lech. fiz. kul't 31 no. 6 481-487 '66

Treatment of lumbosacral radiculitis with mineral radon baths. E. F. Kalitkovskii. Vop. kur., fizioter. i lech. fiz. kul't 31 no. 6 521-523 '66

## RADULA

Generic classification of family Acanthidae (Gastropoda, Prosobranchia) based on the radula. L. I. Moskalov. Zool. zhur 15 no. 12 1767-1772 '66

## RAKIN, ARKADII

Bellin, A. Arkadii Raikin. [Leningrad, Iskustvo, 1966] 182 p. illus. N-C

## RAIKOV, ALEKSEI ARSEN'EVICH, 1899-

Candidate of Medical Sciences Aleksei Arsen'evich Raikov, on his 60th birthday and 35 years of medical, scientific and social work. Zhur. ush. nos i goi. bol 19 no. 6 86 N-D '69.

## RAILROAD BRIDGES—MAINTENANCE AND REPAIR

(see also subdivision under Rumania)

Organization of bridge inspection. V. A. Sumarekov. Put' i put. khoz 10 no. 9 11-13 '66

Two decayed girders. I. U. N. Lavrent'ev. Put' i put. khoz. 10 no. 10 41-43 '66

## RAILROAD MOTORCARS

Installation of the universal joints of DM and AGM trolleys. N. F. Buzukov. Elek. i tepl. tuga 10 no. 11 26-27 N '66

## RAILROADS

(see also subdivision under Azerbaijan, Siberia; Tashkent Province)

Advanced workers in competition. Put' i put. khoz. 10 no. 8 3 '66.

Brief news. Transp. stroi, 16 no. 3 62-63 Mr '66.

Brief news. Transp. stroi, 16 no. 4 62-63 Ap '66.

Brief news on railroads. Put' i put. khoz. 10 no. 10 31 '66.

Entering the 50th year of the revolution. Avtom., telem. i svyaz' 10 no. 11 1-2 N '66.

Felling of trees on the Donetsk railroad. K. V. Kovalev. Put' i put. khoz. 10 no. 10 30-31 '66

From out of the past. Put' i put. khoz. 10 no. 7 33 '66.

From out of the past. Put' i put. khoz. 10 no. 9 12 '66.

From out of the past. Put' i put. khoz. 10 no. 10 10 '66.

From out of the past. Put' i put. khoz. 11 no. 1 30 '67.

Interaction of track and car wheels with irregular wear. V. N. Krivosheev, N. N. Kuznetsov. Vest. TSNIIMPS 25 no. 8 30-32 '66.

Letters to the editor. A. G. Efendiev and others. Put' i put. khoz 10 no. 10 43-44 '66.

Magnetic recording of dynamic processes in track and rolling stock. A. D. Skolov, G. M. Frolov, I. A. Skolov. Vest. TSNIIMPS 25 no. 8 37-40 '66.

A new year and new achievements. Put' i put. khoz. 11 no. 1 '67.

Our information department. Transp. stroi, 16 no. 3 61 Mr '66.

Our information department. Transp. stroi, 16 no. 4 61 Ap '66.

Scientific and technical conference. Put' i put. khoz. 10 no. 10 10 '66

We answer questions. Put' i put. khoz. 11 no. 1 22 '67.

## RAILROADS—ABSTRACTS

[Railroad transportation] Ref. zhur., Zhel. dor. transp. no. 2 F '67.

## RAILROADS—ACCIDENTS

A collision which did not have to be. F. A. Terekhov. Put' i put. khoz 11 no. 1 39-40 '67.

## RAILROADS—BRAKES

Air exhaust pipe on the engineer's brake valve is not necessary. I. R. Presniakov, M. M. Mostepanov. Elek. i tepl. tuga 10 no. 12 19 D '66

Quality of compressed air for brake system feed. K. I. A. Kiselev, O. P. Kopyev. Elek. i tepl. tuga 10 no. 12 30-31 D '66.

## RAILROADS—BRANCH LINES

Switches for high-speed traffic on branch lines. P. G. Kozlichuk. Put' i put. khoz. 10 no. 7 28-30 '66.

RAILROADS—BUILDINGS AND STRUCTURES see subdivision under Riga

## RAILROADS—BUILDINGS AND STRUCTURES—DESIGN AND CONSTRUCTION

Switch booth from prefabricated space cellular concrete elements. G. S. Neezhvskii and others. Transp. stroi. 16 no. 2 19-20 F '66.

RAILROADS—CARS see subdivision under Riga

## RAILROADS—CARS—HEATING AND VENTILATION

Methods for calculating the expenditure of electric power on the heating of railroad cars. A. A. Stetsko, A. Z. Iudov. Elek. i tepl. tuga 10 no. 11 12-13 N '66

## RAILROADS—COMMUNICATION SYSTEMS

Automatic registration of radio signal level. S. F. Ma'manishvili. Avtom., telem. i svyaz' 10 no. 11 13 '66

District communication without coil loaded telephone by governed by standard regulations. T. V. Novikova. Avtom., telem. i svyaz' 10 no. 11 22-23 N '66

Plug instead of a key. V. I. Kurgapkin. Avtom., telem. i svyaz' 10 no. 12 30 D '66.

Use of ShRPS-62 equipment by several dispatchers. V. G. Ivanov, M. M. Popov. Avtom., telem. i svyaz' 10 no. 12 23-26 D '66

## RAILROADS—CONTINUOUS RAILS

Possible raising of temperature in fastening continuous rails. V. I. Novakovich. Put' i put. khoz 11 no. 1 26-27 '67

## RAILROADS—CONTINUOUS RAILS—MAINTENANCE AND REPAIR

Displacement of ends of continuous rails in one-way traffic. V. V. Kriotkov. Put' i put. khoz 10 no. 11 18 '66

Intermediate repair of continuous rails. B. K. Pavlov. Put' i put. khoz. 10 no. 9 19 '66.

Reconditioning continuous rails. A. M. Mikhalek. Put' i put. khoz. 10 no. 9 17 '66

## RAILROADS—CONTINUOUS RAILS—WELDING

Welding rails of a given length. G. Z. Zviagla. Put' i put. khoz 10 no. 9 16 '66

## RAILROADS—COST OF OPERATION

Evaluating effectiveness of formation of through freight trains by many stations. N. P. Shelpak. Vest. TSNIIMPS 25 no. 7 9-13 '66.

## RAILROADS—CROSSINGS—DESIGN AND CONSTRUCTION

Three-level transport interconnections. A. P. Potyayev, V. N. Konstantinov, V. N. Nikulin. Transp. stroi 16 no. 4 11-14 Mr '66

## RAILROADS—CURVES AND TURNOUTS

Effect of freight locomotives on track in curves with plane deviations. N. G. Chubikova. Vest. TSNIIMPS 25 no. 8 32-36 '66.

Maintaining circular curves in a plane. I. V. Zhelezov. Put' i put. khoz. 10 no. 8 36-37 '66.

Short reverse curves. V. S. Usachev, T. I. A. Shaty. Put' i put. khoz. 10 no. 9 17 '66.

## RAILROADS—DESIGN AND CONSTRUCTION

(see also subdivision under Africa; Australia)

Consider good quality and economy in designing. I. I. Khvostik, A. A. Dubaev, N. P. Helen'kil. Transp. stroi, 16 no. 3 39-41 Mr '66.

Making cavities in rock with magmatic explosions. F. I. Alekseev. Transp. stroi, 16 no. 3 4-6 Mr '66.

The targa has retreated. G. G. Litova. Transp. stroi, 16 no. 3 29 Mr '66.

## RAILROADS—EARTHWORK

Building a roadbed on the Shush'-Klya-Shal'yor line. N. S. Strizhkov and others. Transp. stroi, 16 no. 4 1 Ap '66.

For dependable roadbeds. I. I. Tsomirov. Put' i put. khoz. 11 no. 1 35-36 '67.

## RAILROADS—EARTHWORK—DEFECTS

Defects of deformations of roadbeds. S. M. Rak. Put' i put. khoz 10 no. 10 34-37 '66.

## RAILROADS—EARTHWORK—MAINTENANCE AND REPAIR

Mechanize repair and maintenance of roadbeds. Put' i put. khoz. 10 no. 8 44 '66.

## RAILROADS—ELECTRIC EQUIPMENT

Contactless network for checking fuses. P. N. Zhitkov. Avtom., telem. i svyaz' 10 no. 12 40-41 D '66.

Data on transformers of the FT-40 instrument bay. D. I. Baburin. Avtom., telem. i svyaz' 10 no. 11 31 N '66

Welding of storage battery plates. P. A. Goshkov. Avtom., telem. i svyaz' 10 no. 11 35 N '66.

## RAILROADS—ELECTRIFICATION

From experience of electrification of Obukhova - Volkhovskoy line. V. P. Alekseev, G. M. Agromskii. Transp. stroi, 16 no. 4 8-9 Ap '66.

Taking into account demands of technical facilities. V. P. Savin. Transp. stroi, 16 no. 3 8-10 Mr '66.

## RAILROADS—EMPLOYEES

Experience, skill, and hard work. S. P. Davidsenko. Avtom., telem. i svyaz' 10 no. 12 35-36 D '66.

Friendship knows no bounds. E. I. Bulavina. Elek. i tepl. tuga 10 no. 11 8 N '66.

An honorable title. M. A. Golubeva. Avtom., telem. i svyaz' 10 no. 12 29 D '66.



## RAILROADS—TRACK

Some improvements of the sand system of locomotives. V. I. Doloshenko, N. N. Kamenev. Elek. i topl. tizn. 10 no. 12-26 D '66.

## RAILROADS—TRACK—DEFECTS

Defectoscope quality remains low. G. P. Strigun and others. Put' i put. khoz. 10 no. 10-34 '66.

## RAILROADS—TRACK—DESIGN AND CONSTRUCTION

Antifolov, B. A., and G. D. Mikhailov. [Using synthetic materials in track construction; textbook for correspondence courses for raising qualifications of engineering and technical workers]. Primeneniye iskusstvennykh materialov v putevom khoziaistve, uchebnoe posobie dlia zaochnykh kursov povysheniia kvalifikatsii TTR. Novosibirsk, Zapadno-Sibirskoe knizhnoe izd-vo, 1965 67 p.

[MICROFILM]

## RAILROADS—TRACK—MAINTENANCE AND REPAIR

Devices for track maintenance. I. A. Tsylin. Put' i put. khoz. 10 no. 9-45 '66.

From railroad car plants to VPO-3000. A. D. Dement'ev. Put' i put. khoz. 11 no. 11-14 '67.

Mechanics will not let us down. Put' i put. khoz. 11 no. 12-25 '67.

Particulars of using "Regulations on a socialist state production enterprise" in roadway maintenance. I. A. Antipov. Put' i put. khoz. 10 no. 7-1-6 '66.

Use the tempo of trackwork mechanization. A. N. Naimov. Put' i put. khoz. 10 no. 7-1-4 '66.

Repairing track by leveling with padding. P. S. Gaidamaka. Put' i put. khoz. 10 no. 7-7-8 '66.

School of advanced experience. Put' i put. khoz. 11 no. 1-13 '67.

A three-point rating. R. I. Pavlik. Put' i put. khoz. 10 no. 10-28 '66.

Track maintenance on "closed tracks." V. L. Konushevskii, O. I. Moskaleva, A. G. Saranov. Put' i put. khoz. 11 no. 1-5-7 '67.

Tracklayers on intermediate repair. M. B. Berman. Put' i put. khoz. 10 no. 7-21-23 '66.

Tracklaying machinery station. E. A. Krivova, A. I. Monakhov. Put' i put. khoz. 10 no. 9-9-10 '66.

Using precast structural elements in building engineering structures. S. B. Hatkin. Transp. stroit. 16 no. 4-26-26 Ap '66.

We are aiming for new successes. B. N. Bokii. Put' i put. khoz. 10 no. 10-22-24 '66.

Winter is a busy time. Put' i put. khoz. 10 no. 10-1-3 '66.

## RAILROADS—TRACK—TESTING

The testing base of track. A. F. Zolotarevskii. Put' i put. khoz. 10 no. 9-28-30 '66.

## RAILROADS—TRACKLAYING MACHINERY

A new narrow-gauge ballaster. A. K. Filippov. Put' i put. khoz. 11 no. 1-8-9 '67.

New track laying machines in the five-year plan. M. T. Chlenov. Put' i put. khoz. 10 no. 9-4-6 '66.

## RAILROADS—TRACKS

Mechanized Assembly of rail lengths for laying track on individual sites. M. B. Koval'skii, E. V. Pronkin. Transp. stroit. 15 no. 4-6-8 Ap '66.

## RAILROADS—TRAIN SPEED

Frequency method of measuring train speed. A. V. Shishilakov, V. I. Svorokhodov. Vest. TSNII MPS 25 no. 7-51-54 '66.

Narrow gauge at high-speed travel. G. I. Shabalin, G. E. Andreev. Put' i put. khoz. 10 no. 10-17-19 '66.

## RAILROADS—TRAINS

Resistance to movement of ER1 and ER10 electric trains and DR1 and D1 diesel trains. P. P. Stromekii. Vest. TSNII MPS 25 no. 8-3-7 '66.

## RAILROADS—YARDS

Using data units on cars for automating sorting station work. A. F. Potukarov. Vest. TSNII MPS 25 no. 8-22-25 '66.

## RAILROADS, SUSPENDED see subdivision under Moscow

## RAIN AND RAINFALL see subdivision under Crimea

## RAINBOW TROUT

(see also subdivision under Kamchatka; White Russia)

Comparative study of the resistance of two age groups of rainbow trout (*Salmo tridonus* Gbl.) to toxic effect of phenol. V. I. Lukhianenko, B. A. Florov. Trudy Inst. biol. vuzr. vod. no. 10-295-299 '66.

## RAINS, JANE, 1865-1929

[Jana Rainis, places of life and work] Jan Rainis, meste zhilni i delatel'nosti. Riga, Liesma, 1965, 138 p. (NIC)

## RAMAN EFFECT

Raman scattering of light in cubic ionic crystals with impurities. L. E. Gurevich, L. P. Ipatova, A. A. Klocchi-khin. Fiz. tver. tela 8 no. 11-3260-3268 N '66.

Raman spectra of some mono- and disubstituted cyclopentene (Cis-bicyclo-(3,3,0)-octane). A. N. Kis'inski, N. S. Vorob'eva, A. A. Pet'lov. Zhur. prikl. spekt. 5 no. 5,660-665 N '66.

Vibrational spectra of organoarsenic compounds. Report No. 3. Infrared absorption spectra and Raman spectra of the series of cyclic esters of divalent arsenic acids. R. R. Shingulin, T. E. Pavlova. Izv. AN SSSR, Ser. khim. no. 12-2091-2096 '66.

## RANDOM PROCESSES see Stochastic processes

## RANDOM WALKS (MATHEMATICS)

Asymptotic analysis in a lattice scheme of wandering described by a process with independent increments. D. V. Iusak. Dop. AN URSR no. 10,1243-1247 '66.

## RANGE FINDING

Creative approach. N. Vishniakov. Voen. vest. 11 no. 6-8-82 Je '61.

Distance measurement with a range finder with the telescope axis not corresponding to the inclination angle of the line. A. P. Legar. Izv. vuz. ucheb. zav., geod. i aerof. no. 6-40-52 '62.

## RAUVIER'S NODES see Nodes of Ravier

## RARE EARTH ALLOYS

Distribution of rare-earth metals and yttrium during crystallization of zinc from lead melt. A. P. Balanov, S. F. Ourskala, V. V. Serebrennikov. Trudy TGU 185 12-43 '65.

## RARE EARTH COMPOUNDS

Compounds of Eu<sub>2</sub>Ni<sub>2</sub> and EuNi<sub>2</sub> and their crystal structure. V. F. Terekhova and others. Izv. AN SSSR Met. no. 1-205-207 Ja-F '67.

Kinetics and mechanism of decomposition of rare earth amalgams in neutral solutions. E. I. Perov, A. D. Lazarenko, V. V. Serebrennikov. Trudy TGU 185 151-156 '65.

Magnetostriiction of rare earth gallate-garnets. K. P. Belov, V. I. Sokolov. Fiz. i tekhn. eksp. i teoret. fiz. 4 no. 5-186-188 S '66.

Preparation of perchlorates of some rare earths and study of their thermal decomposition. Report No. 2. Perchlorates of dysprosium, holmium, erbium, ytterbium, and lutetium. M. M. Bel'kova, L. A. Alekseenko. Trudy TGU 185 38-41 '65.

Preparation of some rare earth perchlorates and study of their thermal decomposition. Report No. 1. Lanthanum, cerium, praseodymium, neodymium, samarium, gadolinium perchlorates. M. M. Bel'kova, L. A. Alekseenko. Trudy TGU 185 32-37 '65.

Rare earth zirconates and their physicochemical properties. Report No. 3: Some regularities in the formation, physicochemical and technical properties of zirconates. A. K. Kuznetsov, E. K. Keiser. Izv. AN SSSR, Ser. khim. no. 12-2073-2079 '66.

Spectrographic method of determining stability constants of rare earth complexes. N. A. Kostomina and others. Teoret. i eksp. khim. 2 no. 5-673-678 S-O '66.

Study of some  $\beta$ -diketonates of rare earth elements. A. I. Byrke, L. A. Aalunov, E. F. Korytnyi. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6-117-119 N-D '66.

Terbium-sensitized luminescence of europium in complex compounds. N. S. Poluektov and others. Zhur. prikl. spekt. 5 no. 3-625-629 N '66.

Ternary complexes of rare earth elements with phenyl trifluoroacetone and some organic bases. E. V. Meten'eva, L. I. Kononenko, N. S. Poluektov. Ukr. khim. zhur. 32 no. 11-1147-1153 '66.

Thermal stability of rare earth nicotinate. R. A. Chupakhina, V. V. Serebrennikov. Trudy TGU 185-157-160 '65.

Thermolysis of anhydrous perchlorates of aluminum, scandium, yttrium, and lanthanum. M. M. Bel'kova, L. A. Alekseenko, V. V. Serebrennikov. Trudy TGU 185-146-150 '65.

## RARE EARTH FLUORIDES

Reaction of scandium and yttrium fluorides with gaseous ammonia. V. P. Orlovskii. Zhur. neorg. khim. 12 no. 1-20-22 Ja '67.

## RARE EARTH FLUORIDES—SOLUBILITY

Solubility of fluorides and phosphates of some rare-earth elements in water and acids. G. I. Vasil'ev, B. L. Rublev, V. V. Serebrennikov. Trudy TGU 185-54-60 '65.

## RARE EARTH HALIDES

Calculation of the energy of stabilization with crystalline field in rare earth halides taking into account spin-orbital interaction. K. B. Atsimirekhi, N. A. Kostomina. Teoret. i eksp. khim. 2 no. 5-583-588 S-O '66.

## RARE EARTH HYDROXIDES

Formation of insoluble rare earth hydroxides on the cathode surface. B. K. Petrin, N. S. Bybyreva. Elektrokhirmiia 2 no. 12-1470-1473 D '66.

## RARE EARTH METALS

(see also subdivision under Aldan Shield, Kurultay) Effect of rare earth metals on properties of liquid and solid steel. V. M. Potladov and others. Izv. vuz. ucheb. zav., khim. met. 10 no. 1-66-68 '67.

Rare earth metal solubility in iron. M. M. Syntakirekhi, A. S. Zaylatov. Izv. AN SSSR Met. no. 1-157 '67.

## RARE EARTH PHOSPHATES—SOLUBILITY

Solubility of fluorides and phosphates of some rare earth elements in water and acids. G. I. Vasil'ev, B. L. Rublev, V. V. Serebrennikov. Trudy TGU 185-54-60 '65.

## RARE EARTH SALTS—SPECTRA

Forces of oscillators for absorption spectra of solutions of chlorides and perchlorates of praseodymium, neodymium, samarium, and erbium in various solvents. R. I. Slavina, V. I. Danilova, V. V. Serebrennikov. Trudy TGU 185-63-71 '65.

## RARE EARTH VANADATES

Conditions of formation and some properties of rare earth decavanadates. A. A. Ivakhin, N. I. Lyudskii, M. P. Glazvin, Zhur. neorg. khim. 12 no. 1-50-51 Ja '67.

## RARE EARTHS

(see also subdivision under It'mon Mountains, Sayan Mountains)

Determination of integral heats of dissolution of La<sub>2</sub>O<sub>3</sub>, Nd<sub>2</sub>O<sub>3</sub>, Sm<sub>2</sub>O<sub>3</sub>, Gd<sub>2</sub>O<sub>3</sub> in sulfuric and nitric acids. K. Z. Smolitskova, V. V. Serebrennikov. Trudy TGU 185-1-82 '65.

Determination of isoelectric points of rare earth oxides. L. G. Majdanovskina, I. N. Efimov. Trudy TGU 185-1-102 '65.

Effect of diluents on the extraction of rare earth elements by carboxylic acids. I. N. Plakun, V. S. Shchegolev, Yu. S. Fedotov. Dokl. AN SSSR 172 no. 6-1118-1121 D '66.

First data on rare earths in kimberlite rocks. V. V. Burkov, I. K. Podporina. Dokl. AN SSSR 172 no. 4-90-91 D '66.

Use of rare earth oxides in catalytic synthesis. I. I. Soudin and others. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6-100-104 N-D '66.

Variations in the contact potential difference of rare earths as a function of temperature of annealing in oxygen. I. A. Sazonov, V. A. Llando. Khim. i tekhn. 7 no. 5-101-103 N-D '66.

## RARE EARTHS—ANALYSIS

Analytical chemistry of rare earth ions in aqueous solutions. Report No. 3: Photocolorimetric determination of lanthanum, neodymium, and yttrium in mixed glycol solvent. E. G. Akasenko, V. V. Serebrennikov. Trudy TGU 185-51-53 '65.

Separation of cerium (3) and yttrium ions by electrodialysis through zeolite membranes. V. A. Khokhlov, V. V. Serebrennikov. Trudy TGU 185-60-62 '65.

## RARE EARTHS—DECAY

Fine structure of  $\alpha$ -spectra in the region of rare earth elements. V. G. Chumak and others. Izv. AN SSSR, Ser. fiz. 31 no. 1-116-119 Ja '67.

## RARE GASES see Gases, Rare

## RAREFIED GAS DYNAMICS

Rarefied gas flow past a sphere. I. P. Zavarzina, I. V. Skokov. Dokl. AN SSSR 172 no. 3-247-249 Ja '67.

## RASEINIAI DISTRICT—WORLD WAR, 1939-1945

Passing on the relay baton of a feat. K. Slonatska. Agitator no. 17-44-47 S '62.

## RASHAD, MIRZAZADE GAFUR, 1884-1943

Gafur Rashad, outstanding geographer of Azerbaijan, on the 60th anniversary of his birth. R. M. Ushakova. Trudy Azarb. geog. ob-va 3-202-206 '66.

## RASSKAZOVO (TAMBOV PROVINCE)—DISTILLING INDUSTRIES

Processing of sugar beets in the Rasskazovo Distillery. S. S. Erdman. Spirt. prom. 20 no. 3-16-17 '62.

## RATE OF CHEMICAL REACTION see Chemical reaction, Rate of

## RATING OF EMPLOYEES see Employees, Rating of

## RAW MATERIALS—PRICES

"The scissors of prices." V. Shit'dkrut. Vnesn. vyzv. 46 no. 12-32-36 '66.

## RAYON

Developing a technology for the production of yarn from polymeric fibers and their blends with cotton and flax. K. N. Pleinikova, K. A. Virkor, E. I. Dierbaum. Tekhn. i issl. trudy TSNIKHBI za 1963 g. 116-148.

## RAYON—TESTING

Study of the effect of insulation and washing on the change of linear measurements of fabrics made from rayon  
PJ-500. M.S. Platonov and others. Izv. vyz. ucheb. zap. tekhn. leg. prom. no. 6:25-29 '66.

## RAZDAN VALLEY—HYDROELECTRIC POWER STATIONS—DESIGN AND CONSTRUCTION

Karaman, S.S. [The Sevan-Razdan cascade hydroelectric power stations; the experience of construction] Sevan-Razdanskii kaskad GES, opyt stroitel'stva. Moskva, Energiia, 1966. 73 p.

## READING

Use of phonochrestomathes during reading lessons in the 1st grade. M.I. Omoikova, N.V. Arnoft, E.B. Minchuk. Nach. shkola 36 no. 2:19-20 F '67.

## READING—STUDY AND TEACHING

Expressive reading in correspondence schools. V.M. Morgilik. Vech. shkol. 0 no. 5:70-76 S-O '66.

## REAMERS—STANDARDS

Russia (U.S.S.R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov. [Metal-cutting tools, reamers] Rezhushchii instrumenty i izvorki. Izd. ofitsial'nogo. Moskva, Izd-vo Standartov, 1965. 82 p. (SSSR, Gosudarstvennyi standarty)

## REARRANGEMENTS (CHEMISTRY)

Kinetics of dienone-phenol rearrangement of ionol quimobromide as studied by means of nuclear magnetic resonance. A.I. Bichuk and others. Dokl. AN SSSR 172 no. 1:122-125 Ja '67.

## REDATES

Replicating the unmarketable consumer goods. B.N. Shtenko, I.L. Iakhsman, E.K. Iont, metod. 3 no. 1:13-14B Ja-F '67.

## RECEPTS (NEUROLOGY)

Effect of interoceptive stimuli of enocum and iocum on stomach motility in horses. M.V. Kochatkin. Vestn. AN BSSR, Ser. Biol. nav. no. 1:80-84 '67.

Rinskii, O.B. [Problems of physiology of sensory systems; mechanoreceptors] Voprosy fiziologii sensornykh sistem, mekhanoreseptory. Leningrad, Nauka, 1967. 80 p.

Significance of the functional properties of receptors of various sections of the upper respiratory tract in the pathogenesis of angina and acute edema. A.G. Nikh-firov. Zhur. uzh. non. i gor. bol. 16 no. 5:12-18 N-D '66.

Study of interoceptive impulses in puppies by electroencephalography method. N.A. Moiseeva, G. Adam. Dokl. AN SSSR 167 no. 2:402-405 Mr '66.

## RECLAMATION OF LAND

(see also subdivision under RI Valley; Turkmenistan)

By the method of establishing meadows. V. Isakov. Zemel'del'no 29 no. 1:21-22 Ja '67.

Land improvement and state deliveries. I. Borodavchenko. Zakup, sel'skhoz. prod. no. 8:3-5 Ag '66.

Reclaiming Solonchaks. K. Pak. Zemel'del'no 29 no. 1:8-11 Ja '67.

Restoration of the fertility of wastelands. I. Gurin. Ekon. sel'skhoz. 42 no. 1:01-04 '67.

## RECLAIMED RUBBER see Rubber, Reclaimed

## RECONSTRUCTION

Belov, I.I. [Raised from the ruins; historical essays on the restoration and development of the oldest cities of Russia, 1943-1963] Podniatie iz ruin; istoricheskie ocherki vosstanovleniya i razvitiya starozhikh gorodov Rossii, 1943-1963 gg. Moskva, Stroizdat, 1966. 240 p.

## RECORDING INSTRUMENTS

Universal recording instruments. V.V. Rybin. Stand. i tekhn. 30 no. 9:10-50 S '66.

## RECORDING INSTRUMENTS—STANDARDS

Russia (U.S.S.R.) Komitet standartov, mer i izmeritel'nykh priborov. [Pens for recording instruments] Pens i samopisushchiki priborov, GOST 3150-66, Izd. ofitsial'nogo. Moskva [Izd-vo Standartov] 1966. 13 p. (SSSR, Gosudarstvennyi standart)

## RECORDING INSTRUMENTS—TESTING

Instruments for recording instruments. Stand. i tekhn. 30 no. 9:10-50 S '66.

## RECORDS

Efficiency and clarity of purposes in the acquisition of archival materials. D.T. Subbotin. Sov. arkh. no. 6:29-33 '66.

Office management and the archives. L.M. Matvienko. Sov. arkh. no. 5:83 '66.

## RECREATION AREAS

Principles of planning recreation areas near cities for brief periods of rest. I.M. Smoliar. Izv. ASIA no. 3 65-75 '61.

## RECREATION CENTERS see subdivision under Leningrad

## RECTORIE

Rectories in soil. B.P. Gaudusov. Dokl. AN SSSR 172 no. 1:181-183 Ja '67.

## RECTUM—CANCER

Causes of late diagnosis of rectal cancer. O.P. Amelina. Sov. med. 28 no. 10:105-108 O '66.

## RED CLOVER

Course of the vernalization stage in single-cut red clover. I.N. Griaznov. Uch. zap. GGU no. 50:173-194 '59.

Studying the phasic heterogeneity of stem shoots and buds of single-cut red clover by cuttings. I.N. Griaznov, V.I. Kirillova. Uch. zap. GGU no. 50:161-172 '59.

RED SPIDER see subdivision under Kharkov region; Tajikistan

## RED SPIDER—PARASITES see Parasites—Red spider

## REDUCING AGENTS

Lignin charcoal as a reducing agent in the production of silicon-aluminum alloys. S.I. Sukhanovskii and others. Sbor. trud. NIIGS 14:253-257 '65.

Loss of reducing substances during the purification and cooling of neutralized hydrolyzates. I.I. Korol'kov, E.F. Likhonos, I.F. Vysotskain. Sbor. trud. NIIGS 14:13-20 '65.

## REDUCTION

Some particular features of the temperature change during the reduction of titanium tetrachloride by sodium. A.I. Volnitskii and others. Zhur. prikl. khim. 34 no. 8:1351-1354 Je '61.

## REDUCTION, CHEMICAL

Effect of additions of lithium and beryllium oxides on the kinetics of lead dioxide reduction by hydrogen. A.V. Eimolaev, G.A. Kusova. Trudy TGU 185:28-31 '65.

## REDUCTION, ELECTROLYTIC

Cathodic reduction of magnetite ores. V.P. Galushko, E.F. Zavgordniats, V.I. Afanasenko. Zhur. prikl. khim. 34 no. 6:1271-1275 Je '61.

Electrochemical oxidation and reduction of hydrazonol ions. V.S. Danilov-Dek, T.N. Glazalova. Elektrokhimia 2 no. 12:1400-1404 D '66.

Electroreduction of acetone on cathodes of lead-tin alloys. A.P. Tomilov, B.L. Kilev. Elektrokhimia 2 no. 12:1405-1413 D '66.

## REED, JOHN, 1887-1920

Gladkov, T.K. [John Reed] Dzhon Rid. [Moskva] Molodnaya gvardiia, 1966. 230 p. (Zhizn' zamechatel'nykh liudei. Seriya biografii, no. 15(347))

## REED PRODUCTS

Chemical composition of reeds. Cr. Simionescu, D. Feldman. Zhur. prikl. khim. 34 no. 6:1330-1336 Je '61.

## REFLECTION (OPTICS)

Reflectivity of a single-layer dielectric coating in the case of light falling at an angle equal to or greater than the critical angle of total reflection. I.M. Minkov. Opt. i spekr. 21 no. 5:624-629 N '66.

## REFLECTORS (SAFETY DEVICES)

Use of reflectors as navigational aids on the small rivers of the Ukraine. D. Popko. Rech. transp. 20 no. 7:45 Ji '61.

## REFLEXES

Aftereffect of motor reactions as an indicator of the individual characteristics and the functional state of the higher nervous activity in man. N.I. Budlak. Zhur. vyz. nerv. deiat. 12 no. 6:1029-1033 N-D '62.

Conduction of excitation through the spinal reflex arc following injury and regeneration of fibers of the posterior roots. E.N. Anisutova, T.N. Nosmelanova. Fiziol. zhur. 52 no. 12:1434-1440 D '66.

Development of the theory of intrinsic muscular reflexes; proprioceptive reflexes of the skeletal muscles and S.I. Chir'yev's research. D.G. Kvasov. Fiziol. zhur. 52 no. 11:1379-1398 N '66.

Effect of aminazone on vascular unconditioned and conditioned reflexes in dogs. A.T. Pashonik, A.A. Gribanov. Zhur. vyz. nerv. deiat. 12 no. 6:1049-1054 N-D '62.

Effect of chronic pain stimulations on spinal reflexes. G.E. Danilov. Fiziol. zhur. 52 no. 11:1356-1358 N '66.

Effector pattern of the pressor carotid sinus reflex. V.M. Khalutin. Fiziol. zhur. 49 no. 3:336-345 Mr '63.

Interaction between developing congenital reflexes and conditioned reflexes produced on their basis. D.B. Malakhovskaya. Zhur. vyz. nerv. deiat. 12 no. 6:1070-1084 N-D '62.

Participation of hormones of adrenal medullary substance in response reaction of the central nervous system in experimental galvanization of the cerebral cortex. Report No 1. A.A. Samokhina. Vop. kur. i fizioter. i lech. fiz. kul't. 31 no. 6:539-542 '66.

Possibility of reflex relations within intracardiac nervous system. G.N. Kopylova, M.G. Udel'no. Vest. Mosk. un. Ser. 5: Biol., pochv. 21 no. 5:3-10 S-O '66.

Vascular reflexes in syringomyelia. L.N. Shuvaeva. Sbor. nauch. trud. SOGMI no. 10:13-17 '61.

Velocity of air movement and pulmonary ventilation during defensive respiratory reflexes. Z. Tomori. Fiziol. zhur. 52 no. 11:1340-1345 N '66.

## REFORESTATION see subdivision under Ukraine

## REFRACTION

Refraction indexes of K108, LK6, and TF11 glasses at the temperature of liquid hydrogen. A.M. Selczenova, A.D. Sizhaiov. Opt. i mekh. prom. 33 no. 12:21-22 D '66.

## REFRACTION, DOUBLE

Electrodynamic birefringence in liquids. V.M. TSveikov, E.L. Vinogradov. Opt. i spektr. 21 no. 5:603-609 N '66.

## REFRACTIVE INDEX

Determination of density and refractive index of cesium ozonide. V.I. Sokol, V.V. Matveev, I.I. Vol'nov. Izv. AN SSSR, Ser. khim. no. 12:2235-2237 '66.

## REFRACTOMETRY

Use of lubricating and machine oil for the refractometric determining of fat in concentrates. O.I. Babichova, V.S. Grzhivov, N.F. Krokshina. Kons. i sv. prom. 17 no. 3:33-35 Mr '62.

## REFRACTORIES INDUSTRY—EQUIPMENT AND SUPPLIES

Conveyor drying unit. M.A. Kremianskii and others. Ogneupory 31 no. 12:11-13 D '66.

Determining the filtering surface of hose filters. V.D. Mikhailovskii, G.G. Kozhushko. Ogneupory 31 no. 12:22-23 D '66.

## REFRACTORIES INDUSTRY—MANAGEMENT

New system of planning and economic incentives are in effect. V.A. Sazhin, I.S. Korkodilov. Ogneupory 31 no. 12:10-11 D '66.

## REFRACTORY MATERIALS

Burning and thermomechanical properties of magnesiochromite refractories. L.B. Borovkova, K.V. Kovalevskaya, D.N. Polubojarinov. Ogneupory 31 no. 12:35-46 D '66.

Effect of furnace slag and refractories on the contamination of steel by nonmetallic inclusions. A.M. Skrebtsov, V.A. Kostjuk. Stal' 22 no. 5:415-417 My '62.

Forming a layer of loose magnesite powder on open-hearth furnace bottoms. A.S. Freidenberg. Ogneupory 31 no. 12:46-49 D '66.

Kudrina, A.P., and G.F. Gul'ev. [Refractories for oxygen-blown converters] Ogneupory dlia kislorodnykh konverterov. Moskva, Metallurgiya, 1966. 143 p.

Overall processing debrominated Sivash brines to magnesium oxides for the manufacture of refractories and heat insulating "sevelit" material. B.A. Shol'het, B.IU. Longe. Trudy GIKPI no. 47:12-18 '62.

Performance of rotary kilns with shaft-type heat exchangers in clay firing for frog. P.D. Orekhov. Ogneupory 31 no. 12:5-8 D '66.

## REFRACTORY MATERIALS—THERMAL PROPERTIES

Equipment for measuring heat conductivity in small-size specimens. I.I. Vishnevskii, V.N. Skripak. Ogneupory 31 no. 12:13-18 D '66.

Measuring the heat transfer coefficients of heat-resistant materials at high temperatures. G.IA. Bolov. Teplofiz. vyz. temp. 4 no. 6:827-831 N-D '66.

Studying and methods of increasing the heat resistance of hot-pressed zirconia refractories. L.S. Alekseenko, I.S. Kainarskii, E.V. Degtiareva. Ogneupory 31 no. 12:40-45 D '66.

## REFRIGERATION AND REFRIGERATING MACHINERY

(see also subdivision under Czechoslovakia)

Brineless method of freezing rocks. P.A. Shiparber. Khim. tekhn. 43 no. 12:23-25 D '66.

Device for cooling fresh vegetables, fish and other products. A.S. Zhuravlevskii. Sbor. izobr. v ryb. prom. za 1961 g. 13-16.

Food Industry Workers' Day. Khim. tekhn. 43 no. 11:2-6 N '66.

Methods of producing refrigeration. A.I. Lavochnik. Sbor. izobr. v ryb. prom. za 1961 g. 15-17.

Refrigerating machine. A.I. Lavochnik. Sbor. izobr. v ryb. prom. za 1961 g. 15-17.

Refeligation in the consumers' cooperatives of the U.S.S.R. A.M. Zhavoronkov. Khim. tekhn. 43 no. 12:4-6 D '66.

Steam refrigerating machine. T.M. Sulyrina. Sbor. izobr. v ryb. prom. za 1961 g. 15-16.

## REFRIGERATION AND REFRIGERATING MACHINERY (Continued)

Effect of temperature on the efficiency of the refrigeration system. *Trudy Vsesoyuznogo nauchno-issledovatskogo instituta khimicheskoy tekhnologii* 13 no 12 7-11 D '66

Using the method of artificial refrigeration for the separation of nitrogen-sulfur mixtures from the by-products of the Sakhalin oil refinery. *Trudy GIKhI* 10 47 61-71 '62

Work of the construction and assembly trust "Roskhladmashstroy" in the construction of the Khokhlovskaya plant. *Trudy Khokhlovskaya* 13 no 11 '62

## REFRIGERATION AND REFRIGERATING MACHINERY—SAFETY MEASURES

Safety measures for the use of refrigerators. *Trudy Khokhlovskaya* 13 no 12 37-38 D '66

## REFRIGERATION AND REFRIGERATING MACHINERY—STUDY AND TEACHING

Education of refrigeration specialists from the All-Union Correspondence Institute of the Food Industry. *Trudy Khokhlovskaya* 13 no 12 41 D '66

## REFRIGERATION AND REFRIGERATING MACHINERY—TECHNOLOGICAL INNOVATIONS

Public check-up on the work of inventors and efficiency promoters. *Trudy Khokhlovskaya* 13 no 11 50-51 D '66

## REFRIGERATOR CARS

Refrigerator trains on the railroads of the U.S.S.R. *Trudy Khokhlovskaya* 13 no 11 5-6 D '66

Railroad car refrigerators and air conditioners of the firm "Stone". *Trudy Gogolin* 13 no 11 56-57 N '66

Railroad transportation of refrigerated commodities in the new five-year plan. *Trudy M.S. Martynov, M.M. Shapovalenko* 13 no 11 3-5 N '66

## REFRIGERATOR SHIPS (see also subdivision under Soviet Far East)

Communists on "Aktubinsk" refrigerator ship. *Trudy Ermenenok* 13 no 11 58-59 '67

The transport refrigerator ship "Vektor". *Trudy Mor. Flot* 27 no 1 38-37 Ja '67

## REFRIGERATOR SHIPS—CONGRESSES

Technological conference on air conditioning and refrigeration ships. *Sudostroenie* 27 no 1 77-79 Ja '61

## REFRIGERATORS

Choice of the capillary tube and the analysis of the functioning of a hermetic refrigerator. *Trudy V.M. Shavina* 13 no 11 20-25 N '66

Suspension device for the assembly of the refrigerating unit of a household refrigerator. *Trudy V.V. Prushchenko* 13 no 11 26 D '66

## REFRIGERATORS—RELIABILITY

Effect of some operational factors on the reliability of small refrigerators. *Trudy I. Andrichukov, V.I. Kantorovich, A.I. Nefedkina* 13 no 11 17-19 N '66

## REGENERATION (BIOLOGY)

Changes in mitotic activity of axolotl extremity tissues following restoration of regenerative ability inhibited by X-rays. *S. I. A. Tsuchikawa* 13 no 11 22-24 Ja '67

Characteristics and activities of the residual changes following recovery from cavernous pulmonary tuberculosis. *Trudy I.E. Kochanova, I.K. Dzhuravlev* 13 no 11 23 D '66

Determination of the healing processes in tuberculosis. *Trudy I.E. Kochanova* 13 no 11 3-9 N '66

Effect of the anode of direct intermittent current on the process of reparative regeneration in a skeletal muscle. *Trudy L.P. Tikhonova, N.I. Lassi* 13 no 11 71-74 Ja '67

Participation of the epithelium of rete testis in the process of reparative regeneration of the testis in guinea pigs. *S.S. Nefedkina* 13 no 11 75-76 Ja '67

Regeneration of osseous tissue under conditions of chronic infection. *Trudy Z.P. Lubagina, Ortop., travm., i protez.* 27 no 12 17-22 D '66

Regeneration of the synovial membrane of the knee joint; preliminary report. *Trudy V.V. Goncharenko, Ortop., travm., i protez.* 27 no 12 28-34 D '66

Regeneration of the thymus during considerable shifts in the sex hormone content of the organism. *Trudy D.G. Malkina* 13 no 11 31-37 N-D '62

Significance of improved trophic state for the regeneration of associative pathways in the spinal cord. *Trudy N.N. Nemejanova, F.A. Brazovskaya, E.N. Iordanskaya* 13 no 11 31-32 N '63

Structure of the regenerated liver following its resection in young rats of various ages. *Trudy V.F. Sidorova* 13 no 11 81-85 Ja '67

Study of regeneration mechanism of smooth muscle tissue by light and electron microscope under experimental conditions. *Trudy I.J. Nad* 13 no 11 31-32 D '66

## REGIONAL PLANNING (see also subdivision under Leningrad region)

Rules and standards for district planning of industrial districts. *Trudy I.A. Burlakov* 13 no 11 10-19 '61

## REGISTERS OF BIRTHS, ETC.

Court rulings which decree the correction of civil status records. *Trudy E. Belogorskaya* 13 no 7 39-42 Ji '61

## REHABILITATION OF CRIMINALS

Rehabilitation of criminals. *Trudy Nabludatel'nye komissii* 13 no 11 11-12 '66

## REHABILITATION OF JUVENILE DELINQUENTS

Measures in search of rehabilitation. *Trudy R. Devishev, A. Ivanov* 13 no 11 31 F '67

## REINDEER—PARASITES (see Parasites—Reindeer)

## REINDEER BREEDING (see subdivision under Yakutia)

## REINFORCED CONCRETE

For a new upsurge in production of precast reinforced concrete. *Trudy K.V. Mokhortov* 13 no 11 21-23 Mr '66

Some problems in the theory and practice of mesh-reinforced concrete. *Trudy C.K. Blavadre* 13 no 11 26-28 Mr '66

The metal treatment of concrete in an electromagnetic field using an industrial frequency. *Trudy V.P. Gorodskiy, S.G. Romanovskiy* 13 no 11 28-30 Mr '66

## REINFORCED CONCRETE—CURING

Steam-cured concrete with GIKh-91 organosilicon additives. *Trudy G.S. Roik, V.V. Kiylov, E.K. Peiderseva* 13 no 11 30-31 Mr '66

## REINFORCED CONCRETE—TESTING

Experimental investigation of grip strength of reinforced concrete with light-weight low-durability concretes with natural fillers. *Trudy L.S. Shafarman* 13 no 11 31-32 Mr '66

Functioning of mesh-reinforced concrete under tension. *Trudy G.K. Khudakov, V.D. Malavskiy* 13 no 11 33-34 Mr '66

Method worthy of attention; on control of quality of materials with help of ultrahigh frequency electromagnetic waves. *Trudy V.V. Sudakov, I.U.N. Bobyleva* 13 no 11 35-36 Mr '66

## REINFORCED CONCRETE—THERMAL PROPERTIES

Convective heat conductivity in concrete hydraulic structures. *Trudy N.N. Veiglin, D. I. Tzian* 13 no 11 37-38 Mr '66

## REINFORCED CONCRETE CONSTRUCTION

(see also subdivision under New York City)

Advanced method for cutting a chamber with 26 m. span. *Trudy M.L. Borodin and others* 13 no 11 35-37 Mr '66

Calculating elastic supports in steel reinforced concrete beams. *Trudy B.P. Mar'kov* 13 no 11 42-43 Ap '66

Calculating stresses and displacements caused in reinforced concrete structures by operational loads. *Trudy A.M. Roznblumskiy* 13 no 11 44-45 Ap '66

Consideration of temperature conditions in the design of hyperbolic reinforced concrete cooling towers. *Trudy A.A. Bolukhov, I.U. D. Sukhov* 13 no 11 46-47 Ap '66

Effect of multiple repeated loading on reinforced concrete structures. *Trudy T.S. Karanfilov, I.U. S. Volkov* 13 no 11 48-49 Ap '66

Industrializing construction of precast reinforced concrete sea transport piers. *Trudy R.K. Nazirov, I.F. Smagin, M.I. Tripolskiy* 13 no 11 50-51 Ap '66

Karpukhin, N.S. [Designing structural elements for multistory plant buildings; instructional manual for the course "Reinforced concrete and masonry structures"] *Trudy Proektirovaniye elementov mnogoetazhnogo proizvodstvennogo zdaniya; uchebnoye posobie po kursu "Zhelezobetonnyye i kamennyye konstruktsii"* Moskva, Mosk. inzhenerov zhel.-dor. transporta. Pt. 1. [Reinforced concrete structural elements] Zhelezobetonnyye konstruktsii. Pod red. S.S. Davydova. 1965. 129 p.

Lopatin, A.E. [Calculating the sections and designing ordinary and prestressed reinforced concrete structural elements] *Trudy Raschet sechenii i konstruirovaniye elementov obychnykh i predvaritel'no napryazhennykh zhelezobetonnykh konstruktsii*. Izd. 2., pererab. i dop. Kiev, Budivelnik, 1966. 339 p.

New method for fastening cover plates to reinforced concrete columns. *Trudy N.I. Menzhun* 13 no 11 52-53 Ap '66

Organization of concreting operations in erecting the slab foundations of a production plant. *Trudy I.M. Aronov* 13 no 11 54-55 Ap '66

Reinforced concrete for final construction. *Trudy V.K. Kuchukov* 13 no 11 56-57 Ap '66

Reinforced-concrete mine railroad lines with wooden ties and spike bracing of rails. *Trudy V.K. Kuchukov* 13 no 11 58-59 Ap '66

Reinforced-concrete mine railroad lines with wooden ties and spike bracing of rails. *Trudy V.K. Kuchukov* 13 no 11 58-59 Ap '66

## REINFORCED CONCRETE CONSTRUCTION—LITHUANIA

Cleaning and polishing of mold units. *Trudy P. Melnik* 13 no 11 60-61 Ap '66

How to succeed in using molds for concrete. *Trudy S. Shironov* 13 no 11 62-63 Ap '66

## REINFORCED CONCRETE CONSTRUCTION—JAPAN

Precompressing glued beams of reinforced concrete. *Trudy I.U. Melnikov, I.V. Zakharov* 13 no 11 64-65 Ap '66

## REINFORCED CONCRETE CONSTRUCTION—JULY 1966

Certain properties of monolithic concrete lining. *Trudy I. Shironov* 13 no 11 66-67 Ap '66

## REINFORCED CONCRETE CONSTRUCTION—ULTRASOUND TESTING

Nogin, S.I. [Using ultrasonic vibrations for quality control of reinforced concrete structural elements, materials of the Scientific Research Institute of Structural Elements (Kiev)] *Trudy Prikladnaya fizika i khimiya* 13 no 11 68-69 Ap '66

Efficient method of thermal treatment in the manufacture of reinforced concrete slabs. *Trudy I. Shironov* 13 no 11 70-71 Ap '66

## REINFORCED PLASTICS—TESTING

Effect of prior periodic loading on the static strength of reinforced plastics. *Trudy I. Shironov* 13 no 11 72-73 Ap '66

## REINFORCEMENT IN CONCRETE (see Concrete—Reinforcement)

## REINFORCING BARS

Directions for manufacturing large components with prestressed reinforcement. *Trudy A. Melnik* 13 no 11 74-75 Ap '66

Purpose of calculated endurance reinforcement for reinforced concrete. *Trudy I. Shironov* 13 no 11 76-77 Ap '66

## RELATIVITY (PHYSICS)

Manifestation of the law of negation of negation in the rhythmic development of correlation between structure and its elements in pharmacology. *Trudy G.M. Efremov* 13 no 11 78-79 Ap '66

Olshansky, I.I. [A talk on the theory of relativity] *Trudy Vestnik zhurnalov* 13 no 11 80-81 Ap '66

A possible interpretation of Dirac's hypothesis on the diminishing of the gravitational constant on the basis of a new solution to the Einstein equations. *Trudy V.V. Brezhnev, D.D. Ivanenko, I.N. Frolov* 13 no 11 82-83 Ap '66

The theory of relativity and field theory. *Trudy I.A. Horvath* 13 no 11 84-85 Ap '66

Variational methods for constructing models of objects with irreversible processes in the special theory of relativity. *Trudy V.I. Bortchevskiy* 13 no 11 86-87 Ap '66

## RELIABILITY (ENGINEERING)

Operational reliability of the "Minsk-2" electronic computers. *Trudy V.V. Przhilukovskiy, A.G. Pashonik, M.I. Zakharov* 13 no 11 88-89 Ap '66

Problem of reliability of a piling system. *Trudy S.A. Vasil'ev* 13 no 11 90-91 Ap '66

Some problems bearing on the reliability of homogeneous multiprocess computer systems. *Trudy V.G. Khochimskiy* 13 no 11 92-93 Ap '66

## RELIABILITY (ENGINEERING)—CONGRESSES

[Reliability of complex technological systems; collection of papers of the seminar of the Section on Reliability of the Scientific Council on the complex problem "Cybernetics" of the Presidium of the Academy of Sciences of the U.S.S.R.] *Trudy Otnosheniya k problemam tekhnicheskikh sistem; sbornik trudov seminarov Sektsii nadzornosti Nauchnogo soveta po kompleksnoi probleme "Kibernetika" pri Prezidiume AN SSSR* Moskva, Sov. radio, 1966. 323 p.



## RELIGION

Supernatural and religion. N. N. Grudinin. *Trudy Irk. un.* 38 no. 1 191-193 '65.

**RELIGION—BIBLIOGRAPHY** see Bibliography—Religion

## RELIGION—CONTRVERSIAL LITERATURE

Critical evaluation of the present-day religious interpretation of the nature and significance of work. S. P. Matveev. *Pyt. atez.* no. 1 101-110 '65.

Critical evaluation of the so-called "moral evidence" of the existence of God. L. I. Sytenko. *Pyt. atez.* no. 1 82-92 '65.

General characteristic of the ideology of religious people. V. K. Maslansky. *Trudy Irk. un.* 38 no. 1 165-180 '65.

Modernism and conservatism of religion. I. F. L. Dulman. *Pyt. atez.* no. 1 21-30 '65.

## RELIGION, PRIMITIVE

Andriyev, A. F. [Stages in the development of primitive religion] *Raznyy razvitie pervobytnoy religii.* Moskva, Nauka, 1967. 160 p.

## RELIGION AND LABOR

Against the derogatory attitude of religion toward work. M. M. Orlov. *Trudy Irk. un.* no. 1 99-101 '65.

Critical evaluation of the present-day religious interpretation of the nature and significance of work. S. P. Matveev. *Pyt. atez.* no. 1 101-110 '65.

## RELIGION AND LAW

Soviet law in the struggle for the liberation of man from the tenets of religion. A. A. Puzakov. *Trudy Irk. un.* 38 no. 1 135-153 '65.

## RELIGION AND SCIENCE

Some problems concerning the efforts of present-day theologians to accommodate themselves to the achievements of science. T. O. Buzikovskaya. *Pyt. atez.* no. 1 17-23 '65.

The theory of relativity and idealism. I. A. Gorbachov. *Pyt. atez.* no. 1 10-16 '65.

## RELIGION AND SOCIOLOGY

Concrete sociological studies of the surviving traces of religion. V. K. Tancher. *Pyt. atez.* no. 1 3-10 '65.

## RELIGIOUS ETHICS

Basic difference between the communist and religious conception of the moral ideal. A. M. Perkal'skaya. *Trudy Irk. un.* 38 no. 4 107-209 '65.

Critical evaluation of the so-called "moral evidence" of the existence of God. L. I. Sytenko. *Pyt. atez.* no. 1 82-92 '65.

Interpreting position of the Orthodox Eastern Church in regard to the theory of ethics. V. I. Dolin. *Pyt. atez.* no. 1 68-73 '65.

**RELIGIOUS PSYCHOLOGY** see Psychology, Religious

## REMESLO, VASILII NIKOLAEVICH

Academician of the All-Union Academy of Agricultural Sciences. Vasilii Nikolaevich Remeslo. M. Pyrkova. *Vest. sel'khoz. i lesn. zh.* no. 11 122-123 '66.

## REMOTE CONTROL

(see also subdivision under Khabarovsk, Volga Hydroelectric Power Station (22d Congress of the CPSU))

Analysis of a frequency converter of transducers intended for control of parameters and components of mine gas. A. V. Pilyayev. *Dop. AN URSR* no. 10 1294-1299 '66.

Andriyev, N. G., and A. N. Smirnov. [Experience in the construction of remote control lines and installation of automatic control systems] *Opyt stroitel'stva i instal'tatsii avtomaticheskikh i munitsialnykh sistem avtomatizatsii.* Ufa, Tashkintskoe izd-vo, 1965. 140 p.

Autonomous pneumatic system of pressure stabilization in petroleum pipelines operating "from pump to pump." P. A. Moroz. *Transp. i khran. nef'ti i naftoprod.* no. 11 8-11 '66.

Central control service of pipeline performance using electronic digital computers and oscillograph. No. 1 *iz. prom.* no. 5 254-55 S-O '66.

Dispatcher control of agricultural production. G. Kaynshin, V. Bolshovskii, M. Galvonskii. *Trkh. v sel'khoz.* 26 no. 12, 1-6 D '66.

RP-TJ-type electronic apparatus for controlling consecutive piping of petroleum products. A. M. Aleksandrov and others. *Transp. i khran. nef'ti i naftoprod.* no. 11 7-7 '66.

Electronics and remote control in the communal economy. I. Makhovskii. *Inform. biul. VDNKh* no. 12 17-18 D '66.

Experience in using RDB-4 regulators for automatic and remote control of mine hoist brakes. K. P. Borkhatov, I. T. Makhovskii, M. Galvonskii. *Trkh. v sel'khoz.* 26 no. 12, 1-6 D '66.

Remote control in a mine. D. A. Dzonka, V. A. Kharuta, V. D. Mukhin. *Ugol' Ukr.* 6 no. 12 10 D '62.

A remote control method of the thermocouple electromotive force transmission from rotary furnaces for magnetizing roasting of ores to secondary instrument. V. M. Zaporozhskii, N. V. Shabalin. *Cor. elektromekh. i avtom.* no. 1 120-125 '65.

Remote control of a mercury converter substation of a mine. D. M. Dubinskii. *Ugol' Ukr.* 37 no. 12 20-21 D '62.

Special features of the parallel operation of gas pressure regulators with consideration of the remote control system for changing their settings. D. B. Barasanyan. *Prots. i ust. vkh. gaz. v kum. hosp. ta prom. AN URSR* 7 13-18 '59.

Studying systematic errors in mine frequency systems of remote control with fluctuating interferences. V. G. Gulyshko. *Dop. AN URSR* no. 12 1571-1576 '66.

Telemetering and remote control on municipal gas regulating centers. P. I. Vodianik. *Prots. i ust. vkh. gaz. v kum. hosp. ta prom. AN URSR* 7 19-20 '59.

[Time-multiplexed remote control systems using magnetic and electronic components] *Vremennyye i elektronnyye teleupravleniya na magnitnykh i elektronnykh elementakh.* [By] V. N. Tulevich et al. Moskva, Energiya, 1966. 190 p. (Biblioteka po avtomatike, no. 205)

Using radiotelemechanical systems in central control of oil field industrial installations. R. M. Il'ina. *Nef't. khoz.* 14 no. 10 37-39 D '66.

Vysotskiy, I. I. [Automated mine steam engines, design, theoretical foundations, and operation] *Avtomatizirovannyye sudovyye parovyye mashiny; konstruktivskaya, osnovnyye teorii i ekspluatatsiya.* Moskva, Transport, 1966. 477 p.

## REMOTE CONTROL—ABSTRACTS

[Automatic control, remote control, and computer technology] *Ref. zhurn. Avtom., telemekh. i vych. tekhn.* no. 3 M '67. *Avtomatskiy ukazatel'* za 1966 g.

**RENAISSANCE** see subdivision under Italy

**RENAISSANCE ART** see Art, Renaissance

**RENAISSANCE PHILOSOPHY** see Philosophy, Renaissance

## RENAL HYPERTENSION

Radioisotope cinematography in hypertensive states. I. P. Korotkiy. *Med. rad.* 12 no. 1 46-52 Ja '67.

## RENIERITE—OPTICAL PROPERTIES

Measuring optical constants of germanite and renierite. I. A. Logunova. *Trudy IMGE* no. 1 221-231 '60.

## RENT (ECONOMIC THEORY)

Development of agrarian relations in the U. S. A. and absolute rent. D. Solov'yevskaya. *Mu. ekon. i mezhdunar. no. 2 81-91 '67.*

## REPAIRING—SCHEDULING

Network diagrams improve the organization of repairing. A. I. Chernykh, G. A. Chernaya. *Mashinostroitel'* no. 1 33-34 Ja '67.

## REPRODUCTION

Biology of the reproduction of some Aral Sea gobies (fam. Gobiidae). B. A. Iankovskii. *Gidrobiol. zhurn.* 2 no. 6 44-52 '66.

**REPTILES—PARASITES** see Parasites—Reptiles

## RESEARCH

(see also subdivision under Ukraine)

Concentrate science forces on the decisive lines of scientific research. Gidrobiol. i lesokhim. prom. 15 no. 7 1-3 My '62.

## RESEARCH, INDUSTRIAL

(see also subdivision under Siberia, White Russia)

Improving the efficiency of scientific research work. S. Volynskaya. *Nauch. dokl. vuz. shkoly, ekon. nauki.* 10 no. 1 3-10 '67.

## RESEARCH, INDUSTRIAL—FINANCE

Business accounting of branch research organizations. N. Tianshanovskii. *Plan. i ekon.* no. 2 83-85 F '67.

Some problems of business accounting in research and designing organizations. I. K. Strelkovskii. *Vest. LGU* 21 no. 23-32-10 '66.

**RESEARCH, INDUSTRIAL—LABORATORIES** see subdivision under White Russia

## RESEMBLANCE (PHILOSOPHY)

Categories of the similar and dissimilar and their role in the cognitive process. V. S. Nikitenko, M. Kh. Nigmatov. *Nauch. trudy TashGU* no. 279 59-77 '65.

## RESERPINE

Effect of amiazine and serpaal on the vegetative nervous system in schizophrenia. R. F. Kokanbayeva. *Trudy Gos. nauch.-issl. inst. psikh.* 26 127-146 '61.

## RESERPINE—TOXICOLOGY

Inefficiency of the endocrine function of the adrenal cortex as the cause of low resistance in newborn and adult encephalized adult rats to reserpine. I. V. Markova. *Probl. endok. i gorm.* 8 no. 6 8-12 N-D '62.

## RESERVOIR SEDIMENTATION

Predicting the volume of the evacuation of material from the slopes of a reservoir basin by synchronous runoff measurements. A. F. Mal'tsev. *Vest. Moskov. un. Ser. 3 Geog.* 16 no. 1 82-83 Ja-F '61.

## RESERVOIRS

(see also subdivision under Kama Valley)

Calculating rectangular reservoirs. K. L. Surov. *Stroitel'mekh. i rasch. soob.* 9 no. 1 25-27 '67.

For improvement of labor conditions; calcium chloride dehumidifying apparatus. V. N. Sytenchikov. *Stroitel'mekh. i rasch. soob.* 28 no. 5 35 My '66.

Selection of a method for modeling hydrological series taking into account runoff distribution within a year's time. A. N. Kilasovskaya. *Soob. AN Gruz. SSR* 41 no. 2 387-394 N '66.

Strong measures should be taken concerning reservoirs. *Part. zhurn.* no. 3 of F '67.

Study of frequencies of wave heights. V. B. Vaisband. *Stroitel'mekh. i rasch. soob.* no. 6 87-101 '66.

**RESERVOIRS—MICROBIOLOGY** see subdivision under Armenia

## RESERVOIRS—SEDIMENTATION

Studying process of natural colmatage of ponds in Veronezh and adjacent provinces. G. S. Pashincev. *Stroitel'mekh. i rasch. soob.* no. 6 110-125 '66.

## RESIDUAL STRESSES

Studying appearance of residual stresses in castings. V. I. Samonov. *Izv. vuz. ucheb. zav., khim. i fiz. nat.* 10 no. 1 119-132 '67.

Studying possibility of reducing residual stresses in castings. V. I. Samonov. *Izv. vuz. ucheb. zav., khim. i fiz. nat.* 10 no. 1 168-171 '67.

## RESINS, SYNTHETIC

Alkyd resins modified by the unsaturated fraction of soap-soluble fatty acids. M. D. Bodina, M. A. Ososvetskii, G. M. Baranovskaya. *Lakokras. mat. i kh. prim.* no. 6 15-19 '66.

New raw materials for polyester resins. L. N. Sedov and others. *Plast. massy* no. 1 30-31 '67.

Photocolorimetric determination of the methylol group content of water-soluble carbamide resins. E. A. Navazishvili, V. S. Sporyukhi. *Lakokras. mat. i kh. prim.* no. 6 47-49 '66.

Producing styrene by the depolymerization of isomers based on the products of petroleum hydrocarbon pyrolysis. G. M. Mamadaliyev and others. *Plast. massy* no. 1 27-30 '67.

Protective coatings with synthetic resin bases. V. S. Aitamonov. *Transp. stroit.* 16 no. 3 45-46 M '66.

Study of the gluing capacities of compositions obtained by blending polyamide and phenol-formaldehyde resins. M. P. Kotov and others. *Izv. vuz. ucheb. zav., tekhn. i leg. prom.* no. 6 45-52 '68.

Water-soluble self-hardening acrylic resins. G. I. Filippovskiy. *Plast. massy* no. 6 19-20 '66.

Use of paraform in the production of aminoformaldehyde resins. N. A. Gurich, I. V. Stul'pina. *Lakokras. mat. i kh. prim.* no. 6 68-70 '66.

Using boron fluoride in the production of indene-coumarone resins. O. V. Iashchenko, V. S. Andriyeva. *Koks i khim.* no. 5 14-16 '62.

## RESINS, SYNTHETIC, EFFECT OF TEMPERATURE ON

Change of the physical and mechanical properties of phenol resins during fast heating at high temperatures. A. A. Severov, B. V. Lukin, T. B. Gorbacheva. *Plast. massy* no. 1 10-51 '67.

## RESONANCE

New manifestation of resonance. L. I. Miroshnichenko. *Fizika* no. 111 Ja '67.

Note on resonance motion of a mechanical system with a centrifugal vibrator. V. V. Kuzmishchikov. *Vest. Moskov. un. Ser. 3 Fiz. i Mat.* 22 no. 1 65-67 Ja-F '67.

Nuclear γ-ray resonances in 118Sn and 120Sn. B. Ibratkin, V. Kozlov, A. Vlatkovic. *Izv. AN SSSR, Ser. fiz. i khim.* no. 1 103-104 Ja '67.

## RESONATORS

Effect of membrane on losses in open resonators. E. I. Vitkin. *Dokl. AN BSSR* 10 no. 11 840-843 N '66.

## RESORCINOL

Oxidation of resorcinol on rotating platinum disk anode. L. S. Reishchikrit, L. V. Betasova. *Vest. LGU* 21 no. 22 150-152 '66.

## RESPIRATION

Changes in the blood pressure and respiration due to the external action of ionizing radiation. K. Sh. Nadareishvili. *Soob. AN Gruz. SSR* 27 no. 2 209-215 Ag '61.

Central mechanisms of the regulation of blood supply and respiration in monkeys. I. T. Dzholiev, N. I. Lagutina, A. A. Fufacheva. *Fiziol. zhurn.* 49 no. 3 330-337 M '63.

Frequency analysis of respiratory effects on cardiac rhythms. V. M. Zatsiorskii, S. K. Sarsanila. *Biotselka* 11 no. 5 894-902 '66.

Gaseous exchange in some forms of diencephalic pathology. A. I. Markova. *Probl. endok. i gorm.* 8 no. 6 62-67 N-D '62.

## RESPIRATION (Continued)

Our experience in intratracheal anesthesia with controlled respiration. R. A. Aliev. *Azob med zhur* 43 no 12 34-38 D '66

Significance of roentgenofunctional examination of respiration in early diagnosis of cancer of the bronchus. A. I. Sadofev. *Voprosk* 13 no 11-25 '67

State of external respiration in patients having for many years gunshot foreign bodies in their lungs. P. P. Fiksova, A. A. Adamian. *Gud khizh* 9 no 1, 14-19 Jan '67.

Study of regional ventilation and blood flow in lungs by means of Xe<sup>133</sup>. K. D. Kuznetsov and others. *Med tsd* 11 no 12 14-20 D '66

Use of air plethysmograph for recording speech-respiration. A. A. Gerasimov and others. *Fiziol zhur* 52 no 12 1494-1497 D '66

Velocity of air movement and pulmonary ventilation during defensive respiratory reflexes. Z. Tomori. *Fiziol zhur* 52 no 11 1340-1345 N '66

## RESPIRATORY ORGANS—DISEASES

Changes in the respiratory organs under the effect of grain dust. S. A. Stepanov, M. I. Karpova. *Sov med* 29 no 10 65-70 O '66

Effect of tonsillectomy on functional changes in the cardiovascular system in children. E. N. Ivanova. *Zhur ush, nos i gorl bol* 19 no 6 23-27 N-D '69

Treatment of infectious inflammatory diseases of respiratory organs with sulphyridazine sodium. S. I. Ashtel' and others. *Sov med* 29 no 11 32-35 N '66

## RESPIROMETER

Noncontact pneumography in small laboratory animals and methodology of determining their pulmonary ventilation. I. U. N. Uspenskii. *Fiziol zhur* 52 no 11 1394-1398 N '66

## RETAIL INVENTORIES see Inventories, Retail

## RETAIL TRADE

(see also subdivision under Georgia, Moscow)

Every day is a particle of the anniversary year. A. Strucov. *Sov, torg* 40 no 2-2-7 F '67

Retail trade. A. Kuznetsov, M. Mariyova. *Kalzh, torg* 17 no 11-28-31 N '66

[Trade abroad] Torg, za rub. no 2 '67.

## RETAIL TRADE—ACCOUNTING see subdivision under Leningrad

## RETAIL TRADE—EQUIPMENT AND SUPPLIES

Using new equipment in retail trade. V. P. Shimanovskii. *Bliz tekhn. ekon inform Gos nauch. issl. insi, nauch. i tekhn. inform* 19 no 11 70-75 N '66

## RETAIL TRADE—FINANCE

(see also subdivision under Alma-Ata)

Economic reform and trade. E. Gonarev. *Fin. SSSR* 41 no 1-21-27 Jan '67.

A new planning procedure and the practice of economy. N. Smotina, G. Oskhova. *Sov, torg* 10 no 12-17-21 D '66

## RETAIL TRADE—MANAGEMENT

(see also subdivision under Kazakhstan, Moscow)

Save customers' time. N. Vasenin. *Sov, torg* 40 no 2, 17-19 F '67.

## RETAIL TRADE—PRODUCTION STANDARDS

Mordasova, L. A., and A. G. Novitskii. [Labor organization and the establishment of work norms in a store] *Organizatsiya i noi mirovanie truda v nazagazino, Moskva, Ekonomika*, 1966, 87 p.

## RETICULOENDOTHELIAL SYSTEM—DISEASES

Combination of cancer and reticulosis. I. V. Anokhina, T. A. Chernisova. *Sov, med* 30 no 1, 116-118 Ja '67.

Medicinal reticulosis. E. M. Tarceev, E. I. Severova. *Sov med* 30 no 1, 10-17 Ja '67.

## RETICULOENDOTHELIAL SYSTEM—TUMORS

Use of auto- and allotransfusion of bone marrow in conjunction with increased doses of chemopreparations in the treatment of lymphogranulomatosis and tumorous reticulosis. G. I. Khutsishvili. *Probl gemat. i perel. krov* 12 no 1, 37-40 Ja '67.

## RETINA

Submicroscopic morphology and structural relationship between receptor and horizontal retina cells in a series of lower vertebrates. V. L. Borovagin. *Biophysika* 11 no 5, 610-617 '66.

## RETINA—INNERVATION

Evaluation of the resolving ability of the human retina based on electroencephalic data. K. A. Bykov, B. A. Pundilov. *Fiziol. zhur* 52 no 12, 1441-1445 D '66.

## RETIREMENT

When a person retires... Part. zhizn' no 4, 38-40 F '67.

## RETTING

Use of nitrogen additions in water-retting of flax. D. K. Pashin. *Nauch. issl. i uuy TSNILV* 22, 3-10 '66.

## REVENUE

Improve the work on state revenue survey of articles and correspondence received by the editor. *Fin. SSSR* 40 no 12, 75-78 D '66.

## REVOLUTIONARY SONGS

History of the revolutionary song "The International" P. I. Lebedev. *Vop ist* 12 no 1, 208-212 Ja '67

## REVOLUTIONS

Imperialist conceptions on averting revolutions. I. Mikusson, Mezhdunar. zhizn' 14 no 2, 118-127 '67.

Some remarks apropos of the problem of "a revolutionary situation" A. V. Fedotov. *Vop ist KPSS* 11 no 2, 107-110 F '67

## REWARDS (PRIZES, ETC.)

Advanced workers in competition. Put' i put, khoz. 10 no 9-3 '65.

Awarding of orders and medals of the U.S.S.R. to workers, engineers, and technicians of the mining, dried vegetable, and concentrated food industry. *Kons i ov prom* 22 no 1, 38-49 Ja '67.

Awarding orders and medals of the U.S.S.R. to workers and the engineering and technical staff of the mining, dried fruit, and concentrated food industry. *Kons i ov prom* 21 no 12, 35-40 D '66.

Congratulations on high government awards. *Ferm, i spilt, prom* 33 no 1, 5-8 '67.

Congratulations on the awards. *Masl. zhizn, prom* 32 no 10, 6-19 O '66.

Decree of the Presidium of the Supreme Soviet of the U.S.S.R. concerning the award of orders and medals of the U.S.S.R. to outstanding Antarctic explorers. *Inform biul. Sov. antark. eksp.* no 20, 5-15 '61

Decree of the Presidium of the Supreme Soviet of the U.S.S.R. on the awarding of U.S.S.R. orders and medals to the workers, engineers, and technicians of the peat industry and to the workers of party, soviet, trade union, and Communist Youth League organizations. *Trof. prom* 13 no 8, 1-6 '66.

High awards of our native land. I. I. Maksimenko. *Put' i put, khoz.* 10 no 1, 2-7 '66.

The Southeastern railroad is 100 years old. *Put' i put, khoz.* 10 no 9, 18 '66.

## RHABDOPLANITE see subdivision under Vishnovaya Mountain

## RHENIC ACID

Liquid-vapor phase equilibrium in the system H<sub>2</sub>O - HReO<sub>4</sub>. K. A. Bol'shakov, G. I. Plotnitskii, V. A. Baidin. *Zhur neorg khim* 12 no 1, 189-191 Ja '67.

## RHENIUM

(see also subdivision under Kadzharan region, Armenia)

Extraction of rhenium of sulfuric acid solutions by organic solvents. A. N. Zulfman, L. D. Egan, Zhur. neorg. khim. 12 no 1, 261-268 Ja '67.

## RHENIUM—ANALYSES

Extraction-photometric method of determining rhenium by means of aspartic acid. A. T. Filipenko, Nguyen Mong Shih. *Ukr. khim. zhur* 32 no 1, 1211-1215 '66.

## RHENIUM—PLATING

Electrolytic production of rhenium coatings from aqueous solutions using a current of variable polarity. S. I. Skliarsenko, I. I. Lavrov, I. U. P. Shannagin. *Zhur. prikl. khim.* 34 no 6, 1261-1266 Je '61.

## RHEOLOGY

Determining the dynamic characteristics of viscoelastic materials. F. I. Edel'shteyn. *Vop. din. teor. vasp. seism. vojn* no 3, 338-355 '59.

Estimation of flow properties of plugging materials. M. S. Vinarskii, N. I. Titkov. *Neft, khim.* 44 no 1, 26-29 N '66.

Relation between the first stage of fluidization and rheological transformation in a bed of solid free-flowing material. I. G. Martushin, V. V. Kharakoz, Izv. vuzov, ucheb. zav. khim. i khim. tskh. 9 no 5, 827-830 '66.

## RHEUMATIC FEVER

Clinical and anatomical comparisons in rheumatism.

K. V. Sokolova. *Trudy LPMI* 37, 171-174 '65.

Correlation of rheumatoid arthritis and rheumatism.

N. I. Vinogradov. *Trudy LPMI* 37, 166-170 '65.

Late results of tonsillectomy in children with rheumatic fever. O. G. Solomatina, S. M. Levina, R. D. Bogomil'skii. *Zhur. univ., nos i gorl. bol* 10 no 6, 18-22 N-D '59.

Mental disorders in rheumatic fever. M. A. Goldenberg, A. S. Timofeeva. *Trudy Gos. nauch. issl. insi, psikh.* 20, 215-224 '61.

Ophthalmoscopic and campimetric data in the evaluation of the activity of rheumatic process. B. N. Alekseev, G. B. Topikin. *Sov. med* 29 no 10, 31-36 O '66.

Rheumatoids. V. A. Vaidman. *Trudy LPMI* 37, 27-38 '65.

Some examinations of V. A. Vaidman's cup endothelial test. V. A. Dem'yanova-Gagarina. *Trudy LPMI* 37, 117-123 '65.

Some grave forms of rheumatic encephalitis. I. U. Popelianskii. *Trudy Gos. nauch. issl. insi, psikh.* 26, 225-232 '61.

Study and comparison of the cup endothelial test, diphenylamine test and content of antistreptolysinase in the active phase of rheumatic fever. S. I. Lilenko. *Trudy LPMI* 37, 139-145 '65.

## RHEUMATIC FEVER—COMPLICATIONS AND SEQUELAE

Comparative analysis of defective states in streptococcal and psychoses of rheumatic etiology. M. I. Poteyva. *Trudy GIDUV* no 1, 17-20 '62.

## RHEUMATIC HEART DISEASE

Atherosclerosis in rheumatism. G. G. Nepriakhin. *Arkh. pat.* 28 no 12, 3-6 '63.

Changes of acute cerebral disorders in patients with rheumatic cardiac defects. N. N. Malinovsky. *Sov. med* 29 no 11, 23-27 N '66.

Differential diagnosis of atypical forms of rheumatic carditis and thyrotoxicosis. E. I. A. Reznitskaya. *Shur nauch. i med. SOGM* no 10, 57-59 '61.

Effect of negatively charged aerosols on bronchial permeability in human defects according to pneumotachometric data. V. M. Lomonova. *Vop. khim. i fiziol. i lech. fiz. kul't.* 31 no 6, 542-548 '66.

General morphological characteristics of terminal and postterminal states following surgery for cardiac defects. I. A. L. Rapoport, L. M. Smirnovskaya, N. V. Arkhangel'skaya. *Gud. khizh* 9 no 1, 39-44 Jan '67.

Indications for prosthesis of the mitral valve in rheumatic defects in adolescents. G. M. Solov'ev and others. *Gud. khizh* 9 no 1, 3-7 Jan '67.

Late results of mitral commissurotomy. I. V. Shilov. *Sov. med* 29 no 11, 47-52 N '66.

Lesions of the heart in chronic tonsillitis. H. S. Ivanov. *IA, O. Ioffe. Trudy LPMI* 37, 148-56 '65.

Oxihemographic method of determining the blood flow rate and its significance in the study of the effectiveness of sanatorium and health resort treatment in rheumatic heart diseases. V. V. Guk, L. A. Sobchikova. *Vop. khim. i fiziol. i lech. fiz. kul't.* 31 no 6, 487-489 '66.

## RHEUMATOID ARTHRITIS see Arthritis, Rheumatoid

## RHINOSCLEROMA

Vitamin E content in the blood serum in patients with scleroma. E. A. Evdoshchenko. *Zhur. ush, nos i gorl. bol* 19 no 6, 65-68 N-D '59.

## RHIZOSPHERE MICROBIOLOGY

(see also subdivision under Ukraine)

Distribution and biochemical activity of denitrifying bacteria in the root system of leguminous and graminaceous plants. A. I. Kravtchukova-Krasnaya. *Uch. zap. GGU* no 50, 124-141 '59.

Effect of culture filtration of some rhizosphere fungi on tomato growth. D. V. G. Abramyan. *Ekol. zhur. Ariz.* 11 no 10, 13-50 O '66.

Production of vitamins by some rhizosphere microorganisms and the effect of microllements on it. Report No 2. O. I. Beishova, I. A. Kozlova, *Mikrobiol. zhur.* 24 no 5, 15-20 '62.

## RHODAMINES

Effect of molecules association of rhodamine 6G compounds, containing various anions, on their infrared absorption bands. I. V. Lavashin, E. A. Bobrovskaya, T. D. Slavnova. *Zhur. prikl. spekt.* 5 no 5, 618-624 N '66.

## RHODUSITE see subdivision under Dzhezkazgan Depression, Minusinsk Basin

## RHYNCHONELLIDAE, FOSSIL

Notodococcal, new genus of Early Devonian Rhynchonellidae. S. V. Cherkasova. *Uch. zap. NIKIA, Ser. "Paleont. i biost."* no 10, 70-92 '65.

## RHYTHM

Characteristics of the reading of verse by V. V. Malokovskii, I. D. Dmitrieva. *Nach. shkola* 35 no 2, 21-24 F '67.

## RIBONUCLEASE

Effect of proteins on ribonuclease activity in oleic acid. K. B. Serebryanskaya, N. V. Vasil'eva, Dokl. AN SSSR 187 no 2, 457-460 Mr '66.

Purification of extracellular nucleodopolymers of *Serratia marcescens*. I. B. Isakchinskaya and others. *Mikrobiologiya* 35 no 6, 1094-1099 N-D '68.

Ribonuclease effect on nervous activity in Planaria. A. N. Cherkashina, I. M. Sheiman. *Dokl. AN SSSR* 171 no 4, 998-998 D '66.

Thermal modification of pancreatic ribonuclease. T. A. Moskvitina, E. I. Budovskii, Dokl. AN SSSR 171 no 4, 999-1001 D '66.

## RIBONUCLEIC ACID POLYMERASE

Dynamics of RNA synthesis by partially purified RNA polymerase from rat liver. I. L. Votrin, S. S. Babov. *Dokl. AN SSSR* 187 no 2, 448-450 Mr '69.

**FIBROUS LEOPROTEINS** see Nucleoproteins

## RIBOSOMES

Cytophotometric and interferometric study of extraorbital gland in rats following inhibition of ribosomal RNA synthesis by puromycin N. V. Nychayeva, V. N. Ilygin, Arkh. anat., gistol. i embiol. 51 no. 10:87-91 O '66

## RICE

(see also subdivision under Japan)

Cultivating a flooded rice field, Tekh. v sel'khoz. 26 no. 12:7-10 D '66

Rice, M. Ivanov, Zakup, sel'khoz. prod., no. 8:29-31 Ag '66

## RICE—DISEASES AND PESTS

Apeloidoides boseyi Ch. latf. 1942 (Nematoda, Aphelenchoididae) and its control, V. Tikhonova, Zoot. zhur. 45 no. 12:1769-1768 '66

## RICE—MILLING

The new rice mill, M. Nezhitsin, Zakup, sel'khoz. prod., no. 11:24-25 N '66

## RICE HARVESTING MACHINERY

Studying the operating quality of machines in harvesting rice by various methods, N. G. Azovtsev, Dokl. TSKHA no. 44 101-107 '59

## RICKETS

Electrocardiogram in rickets, D. V. Alibegova, Sbor. rauch. i. med. SOGMI no. 10 10-12 '61

## RIFLE, HENRI, 1721-1797

Volsaire as theatrical producer, L. S. Gordon, Nauch. dokl. vuz. shkoly, filol. nauki 5 no. 1:120-137 '62

## RIFLE RANGES

Rifle range, I. Kaminskii, Voen. vest. 41 no. 6:112-115 Je '61

## RIFLES

A new small-caliber rifle, I. Blinov, Voen. znani. 43 no. 1:40 Ja '67

Russia (U.S.S.R.), Ministerstvo oborony. [Manual on musketry; the 7.62 mm. Kalashnikov submachine gun (AK). Nastavlenie po strelkovomu delu; 7,62-mm avtomat Kalashnikova (AK). Izd. 3., 1-ye izd., Moskva, Voenizdat, 1957. 171 p.]

## RNA—AERONAUTICS—STUDY AND TEACHING

From a technical school to the Institute of the Engineers of Civil Aviation, A. Polmarov, I. Khokhlov, Av. i kosm. no. 2:80-81 I '67

## RIGA—APARTMENT HOUSES

Institute of the Organization, Mechanization, and Technical Assistance for Construction, organization of large-panel construction methods for a residential block in Riga, I. N. Astvatsaturian, Izv. ASIA no. 3 120-130 '61

## RIGA—BLOOD—DISEASES

Results of five-year observations on hematological patients in Riga, A. G. Pina, Probl. gemat. i putel. trav. 10 no. 12:55-58 D '65

## RIGA—CATHEDRALS

[Riga Dom] Riga Doms, Riga, Liesma, 1966. 63 p. (chiefly illus.) [In 5 languages]

## RIGA—CONSTRUCTION INDUSTRY—MANAGEMENT

Shen, L. E., B. S. Levi, and A. V. Arkhipova, [Initial experience in introducing a plan for scientific labor organization on the construction sites of the "Rizhskii stroit" Trust] Po vyvody opyt vnedreniya plana NOT na stroitel'skikh tresta "Rizhskii stroit", Riga, Latvii'skii respubl. in-4 nauchno-tekhn. informatsii i propagandy, 1966. 20 p. (Lietok tekhnicheskoi informatsii)

## RIGA—COOPERS AND COOPERAGE

Electric butt welding of the ends of steel rings, S. I. Potolokov, Ilyb. prom. no. 5:370-71 '60

## RIGA—RAILROADS—BUILDINGS AND STRUCTURES

Using hipped structures in transportation buildings, I. I. Kazarnovskii, Transp. stroi. 10 no. 4:23-24 Ap '66

## RIGA—INDUSTRIAL MANAGEMENT

Tatars, B., and G. Borzinska, [The essence of work on scientific organization of labor in industry] Osnovnye soderyzhanie raboty po NOT na proizvodstve, Riga, Latvii'skii respubl. in-4 nauchno-tekhn. informatsii i propagandy, 1966. 33 p. diags. in art. (Lietok tekhnicheskoi informatsii; Nauchnaya organizatsiya truda)

## RIGA—RAILROADS—CARS

Chevachin, V. A., [Scientific labor organization in the Riga Car Building Plant] Nauchnaya organizatsiya truda na Rzhskom vagonostroitel'nom zavode, Riga, Latvii'skii respubl. in-4 nauchno-tekhn. informatsii i propagandy, 1966. 22 p. (Nauchnaya organizatsiya truda)

## RIGA—REVOLUTION OF 1905

Fighters, A. Shamara, V. Zarina, Mol. komm. no. 4: 31-43 '66

## RIGA—SCIENTIFIC APPARATUS AND INSTRUMENTS

The "Nauka" store, V. Kolodzeck, Mat. i tekhn. snabzhen. 1 no. 4:27-32 O '66

## RIGA—SERVICE INDUSTRIES—HANDBOOKS, MANUALS, ETC.

Latvian S.S.R. Glavnoe upravlenie bytovogo obsluzhivaniya naseleniya [The service industries in Riga] Bytovoe obsluzhivanie v Rige Riga, Zvaigzne, 1965. 60 p.

## RIGHT OF PROPERTY

"Consumptive" function of property rights on residential buildings, T. B. Gekker, Trudy Itv. inst. nar. khoz. no. 1:307-315 '66

## RINGS (ALGEBRA)

Integral representations of one order, A. V. Rolter, Izv. AN SSSR, Ser. mat. 30 no. 6 1315-1324 '66

Multiplicative semigroups of a class of rings without zero divisors, E. G. Kosheva, Aig. i log. 5 no. 5 49-54 '66

Rings of operations and Adams-type spectral sequences in extraordinary cohomology theories, U-Cobordisms and the k-theory, S. P. Novikov, Dokl. AN SSSR 172 no. 1:33-36 Ja '67

Rings with commuting idempotents, V. N. Salii, Teor. polugi, i ee prilozh., no. 1:279-285 '65

## RINGS, STEEL

Technology of manufacturing assembly rings, V. Kolodkov, V. Diachenko, L. Skilai, Prom. stroi. i mash. soor. 8 no. 6:20 N-D '66

## RIERS (FOUNDING)

Alimov, E. V., and A. A. Brechko, [Heat-insulating sleeves for risers on steel castings] Teploizolatsionnye oblikovki pribyel stal'nykh otlivok Leningrad, 1966 19 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Proizvodstvennyi opyt. Seriya Progressivnoye formoobrazovanie)

## RIVERS

Determining speeds and directions of currents in rivers by aerial photographic surveying, B. Rodionov, Graziid. av. 12 no. 10:30 O '55

## RIVERS—AQUATIC WEEDS

Factors of overgrown nature of water currents, E. A. Leonov, Sbor. rab. po gidrol. no. 6:55-62 '66

## RIVERS—REGULATION

Floating self-propelled cranes for channel maintenance operations, G. V. Shkol'nikov, V. I. Savvin, Sudostroenie 27 no. 11:7-20 Ja '61

Methodology for determining permissible speeds of dynamically stable riverbed during movement of alluvium in form of bottom tendency, A. Sh. Berekian, Sbor. rab. po gidrol. no. 6:63-68 '66

Straightening meanders in connection with the regulation of stream channels, G. A. Tsot, Trudy TINMESH no. 15 97-116 '60

## RIVERS—SEDIMENTATION AND DEPOSITION

Factors of overgrown nature of water currents, E. A. Leonov, Sbor. rab. po gidrol. no. 6:55-62 '66

Methodology for determining permissible speeds of dynamically stable riverbed during movement of alluvium in form of bottom tendency, A. Sh. Berekian, Sbor. rab. po gidrol. no. 6:63-68 '66

## ROACH (FISH) see subdivision under Caspian Sea;

Rybinsk Reservoir

## ROAD CONSTRUCTION

(see also subdivision under France; Moscow Province; Uzbekistan; Vladimirov Province)

Concrete for roads made of crushed limestone, O. A. Vinogradova, N. G. Manenkov, Avt. dor. 24 no. 11 12-13 N '61

Improving concrete placing machines, P. Peterburgskii, Avt. dor. 24 no. 11:25-26 N '61

Toward new successes, Avt. dor. 24 no. 11:1-2 N '61

## ROAD CONSTRUCTION—ACCOUNTING

Standard method of planning and accounting in road construction, M. Kholzhinskii, N. Izumov, Ekon. stroi. 0 no. 1:31-33 Ja '67

## ROAD CONSTRUCTION—CONGRESSES see subdivision under Baltic region

## ROAD CONSTRUCTION—TECHNOLOGICAL INNOVATIONS

[Fundamentals of automating production operations in road construction] Osnovy avtomatizatsii proizvodstvennykh protsessov v dorozhnom stroitel'stve, [By] V. I. Kolyshchev i dr., Moskva, Transport, 1966. 222 p.

## ROAD CONSTRUCTION WORKERS see subdivision under Azerbaijan

## ROAD MACHINERY

(see also subdivision under France)

Establishing an index of building and road machines, A. M. Gurevich, Stroi. i dor. mash. 6 no. 12:23-25 D '61

## ROAD MACHINERY—BIBLIOGRAPHY see Bibliography—Road machinery

## ROAD MACHINERY—MAINTENANCE AND REPAIR

Repair of shaft diesel hammers, A. S. Zinov'ev, Mekh. stroi. 23 no. 12:17-18 D '66

## ROAD MACHINERY INDUSTRY—MANAGEMENT see

subdivision under Chelyabinsk

## ROAD MAPS

[Atlas of motor highways of the U.S.S.R.] Atlas avtomobil'nykh dorog SSSR Moskva, Glav. upr. geodezii i kartografi MG SSSR, 1966 166 p.

## ROAD ROLLERS

Design of a motor-powered wheel with an electric drive for an automotive pneumatic roller, E. N. Baianov and others, Avt. prom. 32 no. 12:20-31 D '66

## ROADS—ABSTRACTS

[Highways] Ref. zhur. Avt. dor. nos. 1-2 Ja-F '67

## ROADS—INTERCHANGES AND INTERSECTIONS

Stetsuk, L. S., L. A. Keroglu, and T. J. Karpushina, [Highway junctions and their effect on traffic safety] Uzey avtomobil'nykh dorog i ikh vliyanie na bezopasnost' dvizheniya, Moskva, Transport, 1967. 61 p.

## ROADS, CONCRETE see subdivision under Czechoslovakia

## ROBOTS see Automata

## ROCK DRILLS

Experimental determination of static discharge characteristics of valve couple of retracting hydraulic percussion drill, I. N. Butanovskii, Izv. vuz. ucheb. zav.; neft' i gaz 9 no. 6:57-61 '66

Leikin, B. V., [Using thermal drills for working frozen ground and for crushing boulders; from the experience of the Administration for Mechanization of Construction of the Glavmurmanskstroil] Primenenie termoburov dlia razrabotki merzlykh grunov i drobleniya valunov, Iz opyta Upravleniya mekhanizatsii stroitel'stva Glavmurmanskstroia Moskva, Izd. volit-ry po stroitel'stvu, 1966. 14 p. (Novosti stroitel'no-tekhniki)

## ROCK DRILLS—ELECTRIC DRIVING

Possibility of using dynamometric drills in determining indices of coal resistance to breaking and cutting, E. G. Kolosnikov and others, Mash. i obor. dlia mekh. i avtomatiz. trud. prots. v ugol', prom. no. 2 112-126 '65

## ROCK DRILLS—LUBRICATION

Ways of increasing service life of pneumatic mining machines and mechanisms, G. T. Iamkova, Izv. vuz. ucheb. zav.; gor. zhur. 6 no. 8:89-94 '65

## ROCK MECHANICS—STUDY AND TEACHING

Science of "Rock Physics," A. P. Dmitriev, L. N. Zav'elov, Izv. vuz. ucheb. zav.; gor. zhur. 8 no. 10:164-166 '65

## ROCK PRESSURE

(see also subdivision under Donetsk Basin)

Breakage of coal ledges by pressure, G. I. Zhabin, B. I. A. Ledovskii, Izv. vuz. ucheb. zav.; gor. zhur. 8 no. 10: 3-8 '65

Influence of the wetting of a coal mass on its stressed state, V. I. Murashchev, Ugol' 42 no. 1:58-60 Ja '67

Lateral thrust and selection of efficient systems for lining major workings at deep levels, P. I. A. Galushko, Izv. vuz. ucheb. zav.; gor. zhur. 10 no. 12:28-33 '67

Lining major workings in deep Donetsk Basin mines, I. Z. Zaslavskii, Ugol' Ukr. 7 no. 3:4-8 Mr '63

Manifestation of rock pressure in longwalls equipped with stopping units, V. L. Popov, I. S. Kreshkin, B. I. Grishin, Izv. vuz. ucheb. zav.; gor. zhur. 8 no. 10:9-14 '65

Results of studying natural pressure of masses of fractured rocks of mountain slopes, V. M. Kutepov, Vest. Mosk. un. Ser. 4:Geol. 21 no. 6:71-76 N-D '66

Rock pressure on casing columns, I. U. A. Peslisk, K. V. Ruppenet, Nauch. i tekhn. sbor. po dob. nefi no. 8 3-8 '60

Studying deformation properties of foundation bed of arched dam of Inguri Hydroelectric Power Station, K. L. Ter-Mikaelian, Osn. i fund. i mekhn. grun. 8 no. 5:20-22 '65

## ROCK PRESSURE—MEASUREMENT

Measuring rock pressure in major horizontal mine workings, L. M. Erofeev, L. A. Miroshnikova, T. N. Tsai, Shkht. stroi. 10 no. 12:12-13 D '66

## ROCK PRODUCTS see subdivision under Maritime Territory

## ROCKET (PLANT)

Megasporogenesis in Heperis stevensiana DC., G. B. Rodionova, Vest. Mosk. un. Ser. 4: Biol., pochv. 21 no. 5:58-72 S-O '66

## ROCKS

(see also subdivision under Carpathian Mountains, Dnieper-Donets Lowland, Tuva Autonomous Province)  
Comparative data on the determination of elasticity of stony meteorites and certain rocks. N. V. Aleksievskaya, V. V. Kravtsov. *Geol. zhur.* 21 no. 2 69-73 '61  
Estimating thermolastic stresses of rocks in walls of unexcavated holes. M. G. Aliev and others. *Neft zhur.* 14 no. 10 11-15 '66  
Resolving power of radiocomparison and radiogoniometry method in mapping faults. I. U. R. Shaub. *Izv. AN SSSR, Fiz. zem.* no. 12 67-70 '66

## ROCKS—CLASSIFICATION AND NOMENCLATURE

Classification of rocks according to fractured structure and large lump content in the massif. V. K. Rubtsov. *Vzryv. delo* no. 61/81, 117-120 '66

ROCKS—ELASTIC PROPERTIES see subdivision under Krivoy Rog Basin, Ural Mountains

## ROCKS—FRACTURE

Certain characteristics of rock breaking during dynamic penetration of roller bits. N. M. Filimonov, M. R. Vaylulov. *Izv. vys. ucheb. zav., gor. zhur.* 8 no. 10-81-83 '63  
Characteristics of the process of rock breaking under the action of pulse loads. L. K. Savitsky. *Izv. vys. ucheb. zav., gor. zhur.* 8 no. 10-76-80 '65  
Effect of blasting upon a massif and filtering properties of rocks. V. K. Rubtsov. *Vzryv. delo* no. 61/81, 34-43 '66  
Geometry of the propagation of cracks due to rock fracturing as the basis for selecting length of roller bit teeth. M. A. Kolesnikov. *Izv. vys. ucheb. zav., gor. zhur.* 10 no. 1, 82-84 '67  
Studying the breaking of hard rocks by hydraulic wedge method. I. U. A. Dankov, A. Ia. Krasikov. *Izv. vys. ucheb. zav., gor. zhur.* 10 no. 1, 101-104 '67

## ROCKS—MAGNETIC PROPERTIES

(see also subdivision under Queen Maud Land)  
Study of metasomatic alterations of rocks according to data of determination of their magnetic susceptibility. L. I. Tolstol, I. M. Ostafichuk, V. G. Molitavko. *Geofiz. sbor.* no. 17 35-44 '66

## ROCKS—PLASTIC PROPERTIES

Blastability of rocks. S. A. Davydov. *Vzryv. delo* no. 61/81, 109-117 '66

## ROCKS—TESTING

Influence of physical and mechanical properties of rocks upon dust formation in conducting development workings. N. F. Grashchenkov, D. A. Amantsev, G. E. Panov. *Izv. vys. ucheb. zav., gor. zhur.* 8 no. 10-58-62 '65  
Methods for simultaneous determination of Young's modulus and the coefficient of thermal linear expansion of rocks. V. S. Iamshchikov, G. N. Dohrovolskiy. *Izv. vys. ucheb. zav., gor. zhur.* 8 no. 9-56-59 '65  
Universal equipment for determining the bearing capacity of rocks with the help of flat and spherical dies. A. N. Degtiarev, S. N. Prusev, Ugoi. 37 no. 12 29-31 '62

## ROCKS—THERMAL PROPERTIES

(see also subdivision under Caucasus; Donets Basin)  
Analysis of transient thermal processes in thermometric boreholes in rock. A. N. Shcherban', E. I. Bararov, N. I. Furman. *Dop. AN URSR* no. 7 913-917 '62

Determining the time needed for the restoration of the thermal conditions of rock's disturbed by drilling. G. A. Chermenskiy. *Zap. LGI* 43 no. 2 132-135 '62

Time of recovery of rock temperature fields disturbed by boring. V. V. Gordienko. *Geotiz. sbor.* no. 17-91-96 '66

## ROCKS, CARBONATE

Carbocarbonate, a new rare-earth carbonate. A. G. Bulakh, V. V. Kondrat'eva, E. N. Baranova. *Zap. Vses. min. ob-va* 80 no. 1 42-49 '61

## ROCKS, CARBONATE—ANALYSIS

Using the gas-volume method for analyzing carbonate rocks. N. F. Majorov. *Zap. LGI* 43 no. 2-93-111 '62

ROCKS, CRYSTALLINE AND METAMORPHIC see subdivision under Dzhugzhur Range, Stanovoy Range

## ROCKS, IGNEOUS

(see also subdivision under Azov Sea region, Caucasus, Northern; Dnieper Valley; Gissar Range; Kola Peninsula, Konda Valley, Sweden, Ural Mountain region, Ural Mountains; Yenisey Range)  
New data on the mean value of the composition of igneous rocks according to S. R. Nockolds. S. D. Chetverikov. *Blud. MOIP. Old. geol.* 36 no. 3 141 My-Je '61

Problem of origin of nepheline-pyroxene rocks in alkaline ultrabasic massifs. E. A. Landa. *Zap. Vses. min. ob-va* 95 no. 6 652-664 '66

Radiocarbon in wood from areas of recent volcanism. L. D. Sulerzhitskiy, V. S. Forova. *Dokl. AN SSSR* 171 no. 6 1421-1423 '66

Regional problems of volcanic plutonic formations and their ore potential. E. K. Ust'ov. *Izv. AN SSSR, Ser. geol.* no. 1 110-131 Ja '67

Sudovikov, N. G. [Problem of rapakivi and late orogenic intrusions]. *Problema rapakivi i pozdneorogennykh intruzii*. Moskva, Nauka, 1967. 110 p.

Temperature of boron-bearing solutions in areas of development of talusite-bearing skarns in contact halos of small intrusions. N. G. Rodzanko. *Izv. vys. ucheb. zav., geol. i razv.* 10 no. 1 36-39 Ja '67

Theory of contact (metamorphism) in rocks. G. A. Kravtsov. *Trudy TGU* 16:118-129 '63

Thermodynamic equations of distribution of chemical elements in crystallization of magmas. E. M. Elisseev. *Min. sbor.* 20 no. 2 166-177 '66

ROCKS, IGNEOUS—ANALYSIS see subdivision under Gissar Range, Tuva A.S.S.R.

## ROCKS, SEDIMENTARY

(see also subdivision under Balkhan Range region, Black Sea Depression, Daghestan, Dnieper Valley, Dzhezkazgan region, Kazakhstan, Koca, North, Sette-Daban Range, Uzbekistan)  
New achievements of the Soviet lithology: avoiding of the Lenin Prize for 1966 to Academician N. M. Strakhov for his book "Principles of the theory of lithogenesis." G. I. Bushinskii. *Blud. MOIP. Old. geol.* 36 no. 5 123-124 S-O '61

Possible rapid methods for determining drillability of sedimentary rocks in relation to their occurrence depth. E. L. Steinkha. *Izv. vys. ucheb. zav., nef. i gaz.* 8 no. 1 27-29 '66

ROCKS, SEDIMENTARY—ANALYSIS (see also subdivision under Balkal, Lake)  
Lithological division of the cross sections of drill holes based on laboratory radiometric data. M. I. Tolstol. *Geol. zhur.* 19 no. 6 51-60 '59

Probabilities of electron-microscopic study of sedimentary rocks. L. G. Rezhinskaya. *Vest. Mosk. univ.* 9:1, 4 '66

## ROCKS, SILICEOUS see subdivision under Perm Province

RODENTS—DISEASES AND PESTS see subdivision under Soviet Far East

## RODENTS—PARASITES see Parasites—rodents

ROLLING (METALWORK) (see also subdivision under Magnitogorsk, Novokuznetsk)  
Characteristics of the behavior of KKh21N5 steel during hot rolling. A. A. Rivkin, R. G. Shin. *Sbor. trudy. TSNICHM* no. 44 116-153 '66

Cleaning the surface of cold rolled steel with sprays of alkaline solutions. M. I. Morzhkov, K. A. Pogosov, I. M. Davydova. *Stal'* 21 no. 11 1051-1056 N '61

Determining coefficients of deformation during rolling in breakdown passes. N. Kh. Davil'bekov. *Trudy LPI* no. 260 46-19 '65

Determining the angle of neutral section from projection diagrams of contact stresses during rolling. V. G. Goryainov. *Sbor. trudy. TSNICHM* no. 44 57-73 '66

Diagram for synchronizing the speed of steel casting and rolling. N. M. Katskina, A. I. Kaulov. *Sbor. trudy. TSNICHM* no. 44 154-166 '66

Equilibrium of contact forces in rolling. A. I. Grishkov. *Sbor. trudy. TSNICHM* no. 44 19-36 '66

Experimental investigation of conditions of correspondence between rolling in breakdown passes and on a smooth barrel. N. Kh. Davil'bekov, G. Bush. *Trudy LPI* no. 260 50-54 '65

General consideration on the technical and economic comparison of press working and rolling of shaped sections and pipe. I. L. Perlin, M. Z. Etmanov. *Tsvet. met.* 33 no. 3 60-62 Mr '60

Grooving of rolls for the 280 linear light-section mill. M. L. Zaitsev and others. *Sbor. trudy. TSNICHM* no. 44 87-99 '66

Improved methods of determining transverse deformations of metal during rolling in breakdown passes. N. Kh. Davil'bekov, A. K. Grigor'ev. *Trudy LPI* no. 260 55-60 '65

Increase in width and deformation efficiency during rolling in breakdown grooves. N. M. Fedosov, I. N. Koshin. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1 87-91 '67

Influence of certain factors on the filling of flange roll passes. I. U. M. Chizhikov, A. A. Rivkin. *Sbor. trudy. TSNICHM* no. 44 100-109 '66

Introducing the production of lightweight channels. A. P. Chekmarev and others. *Stal'* 22 no. 5 428-432 My '62

Methods of determining cross sectional areas and coefficients of metal deformation during roll grooving by the oval-round pass system. M. L. Zaitsev, P. P. Patselin. *Sbor. trudy. TSNICHM* no. 44 80-86 '66

Preparing bimetal by hot rolling in vacuum. V. S. Smirnov and others. *Trudy LPI* no. 260 22-27 '65

Production of low T-sections for welded broad flange beams. A. A. Kazimirov, A. A. Nefedov. *Stal'* 21 no. 11 1001-1005 N '61

Production of semiskilled sheet steel. I. G. Kazanov and others. *Stal'* 21 no. 11 979-981 N '61

Rolling of plates of KhN67VMTU alloy. A. I. Grishkov and others. *Sbor. trudy. TSNICHM* no. 44 117-123 '66

Selecting an efficient shape of large sheet inserts. I. D. Kazema. *Stal'* 22 no. 5 412-419 My '62

Straightening thin-walled molybdenum shapes by stretching. K. N. Bogoyavlenskii, V. G. Khoroshilov, V. V. Il'y. *Trudy LPI* no. 260 88-92 '62

Studying plastic forming processes using the "nuclei effect" method. P. I. Polukhin and others. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1 71-77 '67

Temperature conditions and grooving of rolls during the skin pass rolling of sheet steel. M. I. Kolesnikov, A. I. Pogosov. *Stal'* 22 no. 5 439-441 My '62

Theoretical study of irregularities of deformation during cold short-temperatures. A. I. Kholodilov. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1 110-12 '67

Praying out the combination of continuous casting and rolling of steel on the experimental mill of Rzhizsk. Steel Plant. D. G. Muzalevskii and others. *Sbor. trudy. TSNICHM* no. 44 5-14 '66

## ROLLING (METALWORK)—DEFECTS

Surface defects of die-cold sections of transverse in cold rolling. I. M. Butunov and others. *Stal'* 21 no. 11 1055-1060 N '61

## ROLLING (METALWORK)—EQUIPMENT AND SUPPLIES

New method of mechanically removing scale and dirt from metal surfaces. V. S. Shinkovskiy. *Stal'* 21 no. 11 1008-1012 N '61

## ROLLING (METALWORK)—MECHANIZATION see subdivision under Volgoda

## ROLLING (METALWORK)—MODELS

Complex study of parameters of the rolling process: the steady relative reduction. I. U. M. Chizhikov. *Sbor. trudy. TSNICHM* no. 44 131-136 '66

Studying similitude of deformed state of metal during modeling of the rolling process. I. U. M. Chizhikov, V. P. Morozov. *Sbor. trudy. TSNICHM* no. 44 117-115 '66

## ROLLING (METALWORK)—TABLES, CALCULATIONS, ETC.

Methods of solving problems on shape changing during rolling simple shaped sections. Report No. 2. B. I. Khatkin and others. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 3 70-86 '67

## ROLLING CONTACT

Equilibrium of contact forces in rolling. A. I. Grishkov. *Sbor. trudy. TSNICHM* no. 44 19-36 '66

## ROLLING MILLS

(see also subdivision under Zhdanov)  
Correlations between dimensions of metal sections in semi-finishing and finishing roll passes during rolling of rounds. M. L. Zaitsev, P. P. Patselin. *Sbor. trudy. TSNICHM* no. 44 74-79 '66

Determining parameters for setting up the system of automatic control of strip thickness in finishing stands of continuous hot rolling mills. V. M. Tulin, B. A. Molgachev. *Sbor. trudy. TSNICHM* no. 44 33-48 '66

Roll table with pneumatic pusher. A. N. Andreyev, V. P. Talovtsov. *Avt. prom.* 31 no. 1 44-45 Ju '67

## ROLLING MILLS—DESIGN AND CONSTRUCTION

(see also subdivision under Magnitogorsk)  
Designing continuous operation section mill. M. I. Koshchukov. *Stal'* 22 no. 5 446-447 My '62

Designing sheet mill. P. I. Gludov. *Stal'* 22 no. 5 447 My '62

Heat treating section of the 2000 plate steel rolling mill. V. I. Rospasnikov, V. P. Kulikov. *Stal'* 22 no. 5 457-460 My '62

Technological bases for automatic determination of permissible reduction during one pass in plate rolling on two-high reversing stands. V. M. Galadze, B. A. Kallinskii. *Sbor. trudy. TSNICHM* no. 44 167-176 '66

## ROLLING MILLS—ELECTRIC DRIVING

Experimental study of torque distribution in spindles and of losses in the main line of reversing rolling mill stands. B. M. Gubatin, D. N. Kallinskii, I. P. Kurevskii. *Sbor. trudy. TSNICHM* no. 44 177-179 '66

## ROLLING MILLS—EQUIPMENT AND SUPPLIES

Ways of improving the operation of the feeding equipment of piggy mills. V. S. Rudoi and others. *Stal'* 22 no. 5, 442-446 My '62

## ROLLING MILLS—SPEED

Uncoordinating of speed in cutting on flying shear. M. M. Rudakov. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1 105-109 '67

## ROLLS (ROLLING MILLS)

Experimental investigation of conditions of correspondence between rolling in breakdown passes and on a smooth barrel. N. Kh. Davil'bekov, G. Bush. *Trudy LPI* no. 260 50-54 '65

Influence of certain factors on the filling of flange roll passes. I. U. M. Chizhikov, A. A. Rivkin. *Sbor. trudy. TSNICHM* no. 44 100-109 '66

International Calibration Conference, Gliwice, 1963. [Grooving of rolling mill rolls materials. Translated from Polish.] Kalibrovka prokatnykh valkov, materialy. Moskva, Metallurgizdat, 1965. 23 p.

Investigating the hardened layer of rolls for the cold rolling of a steel band. V. G. Borisovskii, S. A. Borshov, A. M. Serebrennikov. *Stal'* 22 no. 5 454-454 My '62

## ROLLS (ROLLING MILLS) (Continued)

- Magnesium cast iron for a mill used in rolling mill rolls. D. Rusev. Stroi. 21 no. 11 1919-1952 N 161
- Studying metal pressure upon rolls in sheet rolling on the 1200 three-high rolling mill. A. I. Gushkov, B. A. Kuznetsov, V. M. Podolskiy. Sbornik, TSNICHIIM no. 41 110-116 '60.
- Temperature conditions and grinding of rolls during the skin pass rolling of sheet steel. M. I. Boshakov, A. P. Ponomarev. Stroi. 22 no. 5 119-121 May '62

## ROLLS (ROLLING MILLS)—DESIGN AND CONSTRUCTION

- Grinding of rolls for the 200 linear light-section mill. M. I. Zaitsev and others. Sbornik, TSNICHIIM no. 41:87-99 '60.
- Method of determining cross sectional area and coefficients of metal deformation during roll grinding in the oval-round pass system. M. I. Zaitsev, P. P. Pustov. Sbornik, TSNICHIIM no. 11 80-86 '66.

## ROMANCE LANGUAGES—AFFIXES

- Chronological localization of the Romance suffix -ada. B. Maslov. Nauch. dokl. vyssh. shkoly, filol. nauki 5 no. 1-201-205 '62.

## ROMANCE LANGUAGES—CONGRESSES

- The 1st All-Union Conference of Romance Linguistics. B. A. Budakov. Nauch. dokl. vyssh. shkoly, filol. nauki 5 no. 1:224 '62.

## ROMASHKINO OIL FIELD—CERESIN

- Paraffins and ceresins from oil fractions of the Romashkino oil field. A. D. Li. Neft. khoz. 11 no. 12 44-47 D '60.

## ROMASHKINO OIL FIELD—HYDROGEN SULFIDE

- Occurrence of hydrogen sulfide in producing wells of Romashkino oil field. A. D. Li. Neft. khoz. 11 no. 12 44-47 D '60.

## ROMASHKINO OIL FIELD—OIL FIELD FLOODING

- Occurrence of hydrogen sulfide in producing wells of Romashkino oil field. A. D. Li. Neft. khoz. 11 no. 12 44-47 D '60.

## ROMASHKINO OIL FIELD—PARAFFINS

- Paraffins and ceresins from oil fractions of Romashkino oil field. A. D. Li. Neft. khoz. 11 no. 12 44-47 D '60.

## ROMASHKINO OIL FIELD—PETROLEUM REFINING

- Experience in hot nitrile sealing of the mechanical plant during dehydration of Romashkino petroleum. L. V. Brikova and others. Neft. khoz. 11 no. 10:54-57 O '60.

## ROMASHKINO OIL FIELD—SEALING (TECHNOLOGY)

- Experience in hot nitrile sealing of the mechanical plant during dehydration of Romashkino petroleum. L. V. Brikova and others. Neft. khoz. 11 no. 10:54-57 O '60.

## ROOFING

- Protecting metals from corrosion. N. Gudov, S. Stamenov. Nauch. dokl. 7 no. 12 26 D '60.

## ROOFING, BIFUMINOUS

- Yakovlev, D. A., and V. M. Slobodan. [Rubberoid machinobzor. Moskva, 1965. 62 p. (Izdatel'stvo stroitel'nykh materialov)]

## ROOFING, CONCRETE

- Experience of using precast and cast-in-situ roofs in the Glavkivostroi. N. I. Bondarev. Prom. stroi. 14 no. 12: 20-22 '60.

## Precast roofs for major repair of apartment houses.

- M. V. Goryunovskii, N. N. Gubonin. Gid. khoz. Mosk. 35 no. 12:11-15 D '61

## ROOFING, TILE see Tile, Roofing

## ROOFS

- Choosing the structural layout of the roof of wide-span buildings made of precast reinforced concrete. N. F. Dembovskii. Prom. stroi. 30 no. 12:30-41 '61

- [Space roof structures, a collection of scientific works] Prostranstvennye konstruktivnye pokrytiya: sbornik nauchnykh rabot. Leningrad, Stroiizdat 1960. 97 p.

## ROOFS—DESIGN AND CONSTRUCTION see subdivision under Bulgaria

## ROOFS—STANDARDS

- Possibilities of reducing snow loads on flat roofs. V. A. Ostavtsov, L. S. Rozenberg. Prom. stroi. 44 no. 12: 25-32 '66.

## ROOFS, SHIELLS

- Calculating for shear force of slabs of short cylindrical precast and cast-in-situ shells. A. Liberman, E. Shtrovetenko, M. Iankovitch. Prom. stroi. i inzh. stroi. 8 no. 6:17-18 N-D '60.

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- Structural design of industrial buildings, experience of construction and assembly trust No. 1 of the Glavkivostroi of Ministry of Construction of the Ukrainian S.S.R. and of the Scientific Research Institute of Structural Elements of the State Committee on Construction of the Council of Ministers of the U.S.S.R. Izgotovlenie kuptonazernykh tonkostennyykh paneli-obolochek razmerami 3x8m dlia pokrytiya promyshlennyykh zdaniy, opyt stroitel'no-montazhnogo tresta No. 1 Glavkivostroiia Ministerstva stroitel'stva USSR i NIi stroitel'nykh konstruktiv Gosstroia SSSR. [By] A. A. Tselin i dr. Moskva, Stroiizdat, 1965. 23 p. (Novosti stroitel'noi tekhniki SSSR)

## [MICROFILM]

- Prestressed reinforced concrete shallow spherical shells. A. P. Sokhadze. Bct i zhel-bet no. 12 555-558 D '61

## ROOFS, SUSPENSION

- Calculating flat suspended trusses. B. V. Gorenshstein. Stroi. mekh. i rasch. stroi. 8 no. 1:1-18 '67.

## ROOSEVELT, FRANKLIN DELANO, 1882-1945

- Franklin Roosevelt: a retrospective portrait. B. Marushkin. Nov. mir 42 no. 7 271-273 M '65

## ROOT CROPS—DISEASES AND PESTS see subdivision under Moldavia

## ROOT KNOT see subdivision under Kara-Kalpak A.S.S.R., Kazakhstan

## ROOT ROT

- Root rot of cotton. B. Sanginov, G. Mal'tseva, Zashch. rast. 12 no. 1:47-48 '67.

- Treating sugar beet seeds with trace element fertilizers before sowing as a factor for increasing the resistance of plants to root rot. M. M. Ganiev, K. N. Khovanskaya. Trudy KISKIIM 56:78-85 '66

## ROOT TUBERCLES

- Role of cobalt, copper, and molybdenum in increasing the activity of hydrogenase in forage bean nodules. I. A. V. Poivy, B. A. Agodina, A. D. Popazova. Agrokhi-mia no. 1:94-99 Ja '67

## ROOTS (BOTANY)

- Characteristics of root system structure in root sucking porcupines from Iran. Boraginaceae of Kara Kum desert. M. Akyeva. Izv. AN Turk SSR Ser. biol. nauk no. 5:33-39 '66.

- Development of almond root system in dry regions of eastern Georgia (Skia and Siemle). N. N. Dragadze, V. E. Sokhadze. Sbornik AN Gruz. SSR 41 no. 3:721-726 D '66.

- Effect of nutrient environment on respiration of grapevine roots. M. V. Kikvidze. Sbornik AN Gruz. SSR 44 no. 2: 437-439 N '66.

- Growth and development of root systems of oat and yellow fodder lupine in pure and mixed cultures. I. N. Rakh-tenko, R. M. Ikhrova. Vestnik AN BSSR, Ser. biol. nav. no. 3:27-34 '66

- Interrelationship between ash, oak, and Linden through their root excretions. I. A. Kaurau, I. N. Rakh-tenko. Vestnik AN BSSR Ser. biol. nav. no. 4 24-25 '66

- Root system of the plants of natural phytocenosis in peninsular Solonchak soils. T. A. Ananukulov, I. O. Baitulin, N. M. Mukhitdinov. Vest. sel'khoz. nauki [Kazakh], 10 no. 1:17-25 Ja '67.

- Sucking activity of root systems. Z. A. Mel'nichenko. Uch. zap. GGU no. 50:113-118 '59.

## ROPE

- Some problems concerning the dynamics of the rope lightning process. I. U. M. Vinter. Nauch.-issl. trudy TSNILV 21:85-92 '66.

- Study of the properties of synthetic fibers used in the manufacture of twisted items. T. A. Goshkarov. Nauch.-issl. trudy TSNILV 22:142-153 '66.

- Testing the LF-600-P drawing machine in the drawing of hemp slivers in the rope industry. V. A. Petrova. Nauch.-issl. trudy TSNILV 21:76-84 '66.

- Transient processes in the tightening mechanisms of the rope industry. I. U. M. Vinter. Nauch.-issl. trudy TSNILV 21:92-98 '66.

## ROSE BENGAL

- Evaluation of a new Soviet preparation rose bengal; data on the experimental use under normal conditions and in radiation sickness. V. V. Sedov and others. Med. rad. 7 no. 10:15-21 O '62.

- Liver function tests using <sup>131</sup>I-labeled rose bengal. M. N. Faleeva and others. Med. rad. 7 no. 10:3-8 O '62

- Methodology for scanning the liver with <sup>131</sup>I-labeled rose bengal in oncology. M. A. Volkova, N. V. Obukhov, V. Z. Agratni. Med. rad. 7 no. 10:8-15 O '62.

## ROSES

- Growing grafted damask rose. V. V. Dornovich. Masl. - zhir. prom. 33 no. 1:26-27 Ja '67.

## ROSS, EDWARD ALSWORTH, 1860-1951

- Ideologist of American racism. V. V. Kotobkov. Nauch. dokl. vyssh. shkoly, filol. nauki 4 no. 1:52-56 '61

## ROSTOV-ON-DON—AGRICULTURAL MACHINERY INDUSTRY—MANAGEMENT

- Transfer of "Rostsel'mash" Plant to new conditions of planning and material stimulation. B. P. Popov. Bud. tekhn. i khoz. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 11:61-63 N '66

## ROSTOV-ON-DON—BRIDGES

- Building a highway bridge across the Don River in Rostov. M. M. Gubanov, G. I. B. Ito, V. M. Epshteyn. Transp. stroi. 15 no. 2:8-12 F '66.

## ROSTOV-ON-DON—HUMANITIES

- Rostovskii gosudarstvennyi universitet. [Scholarly studies of 1963, series in the humanities]. Nauchnye soobshcheniya za 1963 god, seriya gumanitarnykh nauk. [Rostov-na-Donu] 1963. 139 p.

## ROSTOV PROVINCE—ANIMAL PRODUCTS

- Obstacles in the procurement of raw materials. V. Roish-tin. Zakup. sel'khoz. prod. no. 11:41 M '66

## ROSTOV PROVINCE—COAL MINES AND MINING—MANAGEMENT

- [In a common sector of work] Na edinom uchastke. [Rostov-na-Donu] Rostovskoe knizhnoe izd-vo, 1963. 75 p

## ROSTOV PROVINCE—GROUND SQUIRRELS—EX-TERMINATION

- From defense to attack. B. Sorokin. Zashch. rast. 12 no. 1 11-13 '67

## ROSTOV PROVINCE—IRRIGATION FARMING

- Making better use of irrigated lands in Rostov Province. P. P. Andraev, A. P. Terekhov. Gid. i mel. 11 no. 5 33-37 Mj '62

## ROSTOV PROVINCE—MERCURY ORES

- Some characteristics of mercury potential of coals of eastern part of Donets Basin (Rostov Province). A. G. Dvornikov. Dokl. AN SSSR 172 no. 1:199-202 Ja '67.

## ROSTOV PROVINCE—RURAL CONDITIONS

- Initiative is developing in practical work. D. Bolbo. Part. zhizn' no. 2:32-35 Ja '67

## ROSTOV PROVINCE—RURAL CONSTRUCTION

- Not by bread alone. I. Kuldin, E. Volchenko. Sov. profsoyuzy 23 no. 1:20-21 Ja '67

## ROSTOV PROVINCE—WOOL

- Increasing responsibility for the quality of wool. I. A. Mikhailov. Zakup. sel'khoz. prod. no. 12:36 D '66.

## ROSTOV UNIVERSITY

- Belozorov, S. E., ed. [Rostov State University, 1915-1965, articles, memoirs, documents] Rostovskii gosudarstvennyi universitet, 1915-1965, stat'i, vospominaniya, dokumenty. [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1965. 356 p. (MZh)

## ROTARY KILNS see Kilns, Rotary

## ROTARY PUMPS—DESIGN AND CONSTRUCTION

- Studying the process of feed regulation for double-acting impeller pumps. V. I. Engel'. Izv. vyz. ucheb. zav. i gor. zhur. 10 no. 1:11-17 '67.

## ROTATING AMPLIFIERS

- Ankhimuk, V. L., and O. P. Il'in. [Designing of automated electric drive systems with amplitude amplifiers] Raschet sistem avtomatizirovannogo elektroprivoda s elektronnymi ustroystvami. Minsk, Vysheishaya shkola, 1966. 232 p.

- Concerning the distribution of magnetic induction in the air gap of multistage transverse field amplidyne. V. M. Mamedov. Sbornik rab. po vop. elektromekh. no. 4 12-122 '60

## ROTATING BODIES

- Systems containing a small parameter. L. D. Akulenko. Zhur. vych. mat. i mek. 7 no. 1:208-214 Ja-F '67

## ROTATING DISKS see Disks, Rotating

## ROTATING MASSES OF FLUID

- Half-space potentials for equations describing the motion of a rotating fluid. Dokl. AN SSSR 172 no. 3 533-536 Ja '67.

## ROTATION OF CROPS

- (see also subdivision under Orenburg Province)

- Crops preceding spring wheat in crop rotations in Irkutsk Province. M. A. Balabolin. Izv. ISKII no. 24:134-148 '62

- How the periodical "Sam seba agronom" explained the advantages of the three-field system. M. Ingor. Zem. ledelle 28 no. 1:76-77 Ja '67.

- Moisture conditions of soils in field crop rotation. V. F. Masalov. Izv. ISKII no. 24:149-160 '62.

- Soil moisture in grain-beet crop rotation. I. G. Zakhar-chenko. Pochvovedenie no. 3:34-41 Mj '60.



## ROTATIONAL MOTION

Rotational motion of a ball in an elastic medium A. I. Babichev Izv AN Uz SSR, Ser. tekhn. nauk 10 no. 6, 55-59 '66.

## ROTORS

Using elastic supports in flexible rotors M. F. Zeitman Mashinovedenie no. 1:57-67 Ja-T '67.

## ROTORS—VIBRATION

Stability and forced vibrations of rotors with hydrostatic bearings E. E. Malakhovskii Mashinovedenie no. 1, 58-76 Ja-T '67.

## ROUNDWORM see subdivision under Moldavia

## ROVNO PROVINCE—PHARMACY

The best pharmacy collectives in Rovno Province V. A. Tkachuk, I. S. Shumakov Farmatsy. zhur. 17 no. 2, 66-73 '62.

ROZANOV, IVAN NIKANOROVICH, 1874-1959—BIBLIOGRAPHY see Bibliography—Rozanov, Ivan Nikanorovich, 1874-1959

## ROZDOL REGION (UKRAINE)—VOLTAGE

Voltage from oxidation zone of Rozdol sulfur deposit B. I. Siebrodskii Min. sbor. 20 no. 1:115-119 '66.

## RUBBER—TESTING

Dependence of the coefficient of dissipation of the energy of vibration from the amplitude of vibration for the rubber of shock absorbers V. A. Kudriavtsev. Kauch. i rez. 26 no. 1:35-36 '67.

## RUBBER, RECLAIMED

Use of centrifuges and hydrocyclones for the separation of a water dispersion of rubber G. N. Zachesova and others. Kauch. i rez. 26 no. 1:29-32 '67.

## RUBBER, SYNTHETIC

Characteristics of dewatering emulsion copolymer rubbers in worm presses E. G. Lazariants and others. Kauch. i rez. 26 no. 1:8-9 '67.

Effect of aldehydes on the molecular weight distribution in SKMS-ZORP rubber N. D. Vetsel'skaya, V. A. Belia-kova, Z. G. Zinashkova. Kauch. i rez. 25 no. 12:43-44 '66.

Effect of the addition of liquid SKD-10 polymer on the technological properties of mixtures obtained on the basis of 100% SKD V. G. Fpshtein and others. Kauch. i rez. 26 no. 1:13-14 '67.

Study of the process of reinforcing rubber with various fibers R. Sh. Fienkel' and others. Kauch. i rez. 25 no. 12:20-22 '66.

Synthesis of peroxide rubbers and production of sulfur-free vulcanizates on their basis T. I. Urzhenko and others. Kauch. i rez. 25 no. 12:6-8 '66.

Use of the compound of SKD rubber with neoprene in the production of technical rubber goods E. B. Koldunovich and others. Kauch. i rez. 25 no. 12:11-13 '66.

Use of urethane rubber for the manufacture of spike heel taps for women's footwear M. A. Al'ham and others. Kauch. i rez. 26 no. 1:25-26 '67.

Vulcanization of elastomers with salts of methacrylic acid A. A. Dontsov, V. E. Mikhlin, B. A. Dogadkin. Kauch. i rez. 26 no. 1:20-22 '67.

## RUBBER BEARINGS

Economic effectiveness resulting from introducing rubber IRP-1124 (IRP-1226) bearings for use in tractors I. S. Rudavskii, M. I. Popovetskii, S. A. Ganelina. Mash. i nef. obr. no. 11:34-35 '66.

## RUBBER GOODS

(see also subdivision under Pap (Uzbekistan))

Some factors influencing the strength of rubber sealings of the hydraulic drive D. B. Dobrinskii and others. Kauch. i rez. 26 no. 1:35-40 '67.

Study of some factors determining the functional ability of rubber diaphragms M. V. Vokrina. Kauch. i rez. 26 no. 1:23-24 '67.

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rubber  
1-20 '67.

Unit for recording the performance of rolls A. M. Kurochkin. Kauch. i rez. 26 no. 1:51-52 '67.

## RUBBER RESEARCH—CONGRESSES

1th scientific and technological conference in Yaroslavl M. A. Poliak. Kauch. i rez. 25 no. 12:48-49 '66.

## RUBBER TIRES see Tires, Rubber

## RUBBERIZED FABRICS

Use of triallylthioacetate in the salutation compounds for javan N. V. Bol'shova and others. Kauch. i rez. 26 no. 1:33-35 '67.

## RUBIDIUM see subdivision under Lovozero Tundra

## RUBIDIUM CHLORIDE CRYSTALS—ELASTIC PROPERTIES

Elastic constants of RbCl single crystals under pressure F. F. Voronov, V. A. Goncharova, T. A. Agapova. Fiz. tver. tela 8 no. 11:3405-3407 N '66.

## RUBIES

Temperature indicator using an irradiated ruby V. D. Dolobovetov and others. Energiomashinostroenie 12 no. 11:44-46 N '66.

## RUBTSOV, NESTER GAVRILOVICH, 1759-1874

N. G. Rubtsov and his role in the exploration of Brazil A. I. Alekseev, B. N. Komissarov. Izv. Vses. geog. ob-va 98 no. 6:500-506 N-D '66.

## RUBY CRYSTALS—GROWTH

Distribution of chromium in ruby single crystals grown by the Verneil method E. F. Kostov, P. A. Arsen'ev. Izv. vys. ucheb. zav.; fiz. 9 no. 6:152-153 '66.

## RUDENKO, ROMAN ANDREEVICH, 1907-

Conferment of an honorary degree by Karl V University. Sots. zakon. no. 2:58 F '67.

## RUDNYI (KAZAKHSTAN)—CONSTRUCTION INDUSTRY

Rudnyy is marching toward the future V. Vlashev. Mol. komm. no. 12:60-62 D '61.

## RUGS AND CARPETS see subdivision under Vitebsk

## RUMANIA—BIBLIOGRAPHY

[New literature on Rumania] Nov. lit. po Rum. no. 2 '67.

## RUMANIA—HISTORY

Parkhomchuk, S. M. [The Rumanian people conclude the building of socialism] Rumyn'skyi narod zavershule budivnystvo sotsializmu. Kyiv [Radians'ka Ukraina] 1963. 44 p. (CaOTU)

## RUMANIA—RAILROAD BRIDGES—MAINTENANCE AND REPAIR

Maintenance of engineering structures in Rumania P. E. Pomogayev. Put' i put. khoz. 11 no. 1:15-17 '67.

## RUMANIAN AIR see Air, Rumanian

## RUMANIAN NEWSPAPERS

The press of socialist Rumania A. Mikhailov, F. Fedotov. Mezhdunar. zhizn' 14 no. 2:154-155 '67.

## RUMEN

Cellulose decomposition in sheep rumen as related to physiological conditions V. A. Moliseev. Trudy Inst. fiziol. AN Kazakh SSR 10:13-16 '66.

Dynamics of feed carbohydrate conversion in cattle rumen in ontogeny T. U. Izmailov, T. N. Nasilbaev. Trudy Inst. fiziol. AN Kazakh SSR 10:54-58 '66.

Dynamics of nitrogen protein in cow rumen content in relation to various feed rations Sh. D. Simbinov. Trudy Inst. fiziol. AN Kazakh SSR 10:17-21 '66.

Free amino acid level in sheep rumen A. V. Prokudin. Trudy Inst. fiziol. AN Kazakh SSR 10:59-62 '66.

Relationship of cellulose decomposition in rumen and of sheep N. U. Bazanova, V. A. Moliseev. Trudy Inst. fiziol. AN Kazakh SSR 10:5-12 '66.

Rumination center and its functional relations in cattle P. M. Kuz'min. Fiziol. zhur. 40 no. 3:346-352 M '63.

Some indices of the metabolism of the rumen in young cattle in connection with the rate of urea and sodium sulfate P. S. Khrushchova. Vestn. AN BSSR, Ser. sel'skosp. nav. no. 4:78-83 '66.

## RUMEN—MICROBIOLOGY

Carbohydrate digestion in cow rumen as related to feeding with microelement-enriched silage B. N. Nikitin, V. A. Moliseev. Trudy Inst. fiziol. AN Kazakh SSR 10:22-27 '66.

Quantity of microscopic fungi in the rumen of cattle in winter and in summer V. S. Silvers. Mikrobiol. zhur. 24 no. 5:51-58 '62.

## RUMEN—SURGERY

Methods for isolating a rumen pouch V. F. Vrubin. Dokl. TSKEA no. 45:193-198 '66.

## RUMEX

Isolation and study of the Rumex confertus Willd. glycoside. Report No. 1 O. K. Bahrlil. Farmatsy. zhur. 18 no. 3:17-22 '63.

## RUMINANTIA—PHYSIOLOGY

Methods of studying saliva in ruminants K. T. Yagheer. Trudy Inst. fiziol. AN Kazakh SSR 10:207-209 '66.

## RUMINATION

Effect of cerebral cortex stimulation on rumination and motility of multicompartment sheep stomachs P. I. Iul'baev, N. I. Ormanov. Trudy Inst. fiziol. AN Kazakh SSR 10:177-184 '66.

## RUNOFF

(see also subdivision under Carpathian Mountains, Central Chernozem Region, Crimea, Maritime Territory, Ukraine, Volga Valley)

Determination of water discharge in floodplain bed according to measured speeds of surface L. I. Pitrya. Shor. rab. po gidrol. no. 6:40-54 '66.

Determining the permeability of soils to water in plumb surface runoff L. I. Rastorguev. Vestn. arkhitek. i stroit. 11 no. 11:107-109 '66.

Possibilities of accumulation of winter runoff by ice layers on rivers V. E. Sevgulin. Shor. rab. po gidrol. no. 6:127-131 '66.

Russia (U.S.S.R.) Gosudarstvennyi komitet po delam stroitel'stva. [Instructions on the determination of maximal discharge of wellwaters in the absence of deflection of hydrometric observations] Ukazaniya po opredeleniyu raschetnykh maksimal'nykh raskhodov tal'nykh vod pri otnosivii ih k neodstatkovnoi gidrometicheskoi stadii. donit SN 350-68 Leningrad, Gidromontedat, 1968. 14 p. diagrs. maps (insert)

Selection of a method for modeling hydrological series taking into account runoff distribution within a year's time A. N. Kilsanov. Soob. AN Chuv. SSSR 41 no. 2:387-394 N '66.

## RURAL CONSTRUCTION

(see also subdivision under Rostov Province)

Main tasks of rural builders V. Shvyd'ko. Likov. stroit. 9 no. 1:16-23 Ja '67.

## RURAL CONSTRUCTION—FINANCE see subdivision under Virgin Territory

## RURAL CONSTRUCTION—MANAGEMENT

(see also subdivision under Karaganda Province, Kazakhstan; Omsk Province, Sverdlovsk Province, Virgin Territory; White Russia)

Recommendations on improving the work of mechanized crews Nal. khoz. Kazakh 24 no. 12:70-71 D '66.

## RURAL CONSTRUCTION—MECHANIZATION

Wide recognition makes for obligations L. Sokolovskiy. Nal. khoz. Kazakh 24 no. 12:55-58 D '66.

## RURAL CONSTRUCTION—SAFETY MEASURES

Balashov, G. M., and N. G. Ivlev. [Protecting the life of rural builders] Otkranna truda sel'skikh stroitel. Moskva, Stroizdat, 1968. 163 p.

## RURAL CRIMES

Characteristics of the investigation of cases concerning the negligent use and upkeep of agricultural machinery L. Ivanov. Sots. zakon. no. 2:52-54 F '67.

For the proper maintenance of agricultural machinery M. Maksimov, I. Antipov. Sots. zakon. no. 2:50-52 F '67.

## RURAL EDUCATION see Education, Rural

## RURAL ELECTRIFICATION

Proposed voltage system for the power supply of rural areas F. Kh. Usmanov. Elektrichestvo no. 1:19-21 Ja '67.

Reservation in rural 35-110 kv. power distribution networks F. Kh. Usmanov. Elektr. sta. 37 no. 12:44-45 D '66.

## RURAL LIBRARIES

Lights in the windows of new libraries I. Petrov. Bibliotekar' 14 no. 2:51-54 F '67.

## RURAL PLANNING

Defining size of settlements in relation to municipal service system A. Vladimirov. Arkhit. i stroit. 11 no. 4:48-48 '67.

Network of service industries in project for rural district planning G. Rogozhin, D. Dobriak. Arkhit. i stroit. no. 1:43-46 '67.

New designs for rural commercial buildings F. Ilyashov. V. Musychkin. Arkhit. SSSR. no. 1:49-51 '67.

## RURAL SCHOOLS

(see also subdivision under Stavropol Territory)

The new life of Novorivnovoynoye V. Sukhaverov. Trudy. obr. no. 1:93-99 Ja '67.

## RURAL SOCIOLOGY see Sociology, Rural

## RUSSIA—ADMINISTRATIVE AND POLITICAL DIVISIONS

**Izhevskii, V. A.** [The territorial organization of the Soviet state] Territorialnaya organizatsiya sovetskogo gosudarstva. Pod obshch. red. I. E. Priborn. Sankt-peterburgskoe knizhnoe izd-vo, 1966. 142 p. (CSA-H)

## RUSSIA—AIR FORCE

"Get ready! Go!" I. Korneev. Mol. komm. no. 10-17-44 '66.

Official section. Av. i kosm. no. 18 Ja '67.

Official section. Av. i kosm. no. 2-7 I '67.

Your work prepares you for future battles. A. Desiatov. Komm. Vooruzh. Sil 17 no. 1-3-66 Ja '67.

## RUSSIA—AIR FORCE—OFFICERS

Joining the collective. A. P. Ivanov. Av. i kosm. no. 2-4-44 I '67.

Our work and studies for the Soviet Power. Av. i kosm. no. 2-8-11 I '67.

Science and business approach. I. Gaidenko. Av. i kosm. no. 1-13-16 Ja '67.

## RUSSIA—AIR FORCE—PHYSICAL TRAINING

Physical training of air pilots. V. Voschenko. Av. i kosm. no. 2-7-13 I '67.

## RUSSIA—AIR FORCE—POLITICAL ACTIVITY

Under the leadership of the party and in unity with our people. A. Rylov. Av. i kosm. no. 2-2-6 I '67.

## RUSSIA—ANTIQUITIES

**Академия наук СССР, институт археологии.** [Archaeological discoveries of 1965] Arheologicheskie otkrytiya 1965 g. Moskva, Nauka, 1966. 197 p. (CAOTU)

## RUSSIA—ARMED FORCES—BIBLIOGRAPHY

Efficient and dependable guardians of our country. A. Sal'tikov. Bibliotekar' 11 no. 2-17-21 I '67.

## RUSSIA—ARMED FORCES—POLITICAL ACTIVITY

In military regions and fleets. Komm. Vooruzh. Sil 47 no. 1-67-70 Ja '67.

## RUSSIA—ARMED FORCES—REGULATIONS

**Givrikov, E. K.** [Organization and planning of instruction. Study of regulations] Organizatsiya i planirovaniye obucheniya. Izucheniye ustavov. Moskva, Voenizdat, 1966. 201 p. (Posobie po obucheniyu molodogo soldata, no. 1)

## RUSSIA—ARMY

Defenders of peace and creative work: an article dedicated to the Soviet Army and Navy Day. K. Bochkarev. Agitator 31 no. 2-18-22 Ja '67.

From the taiga to the British seas. Nov. vrem. 25 no. 9-1-3 I '67.

## RUSSIA—ARMY—ARTILLERY

Military preparedness is the most important objective. G. Pereval'skii. Komm. Vooruzh. Sil 47 no. 1-15-21 Ja '67.

## RUSSIA—ARMY—COMMISSARIAT

In the soldiers' mess hall. G. Baklan. Sov. voen. 43 no. 24-30 D '61.

## RUSSIA—ARMY—DRILL AND TACTICS

Guarantors, sons of guardians. V. Zaitvorodnitskii. Voen. znani. 43 no. 1-10 Ja '67.

## RUSSIA—ARMY—FIREARMS

**Russkii (U.S.S.R.) Ministerstvo oborony.** [Manual on musketry] the 7.62 mm. Kalashnikov submachine gun (AK). Nastavleniye po strelkovomu delu; 7.62-mm avtomat Kalashnikova (AK). Izd. 3., ispr. i dop. Moskva, Voenizdat, 1967. 171 p.

## RUSSIA—ARMY—INSIGNIA

**Аншленко, С.** [Chest insignia of the Russian Army] Наградные знаки Русской Армии. Paris, Tanais, 1966. 227 p. (NIC)

## RUSSIA—ARMY—HISTORY

**Korol', Nestor.** [Ukrainian Cossacks, ancestors of the Muscovite cavalry] Ukrainy'ko kozatsstvo; rodonachal'nyk kishnoho vits'ka Moskovit-Rosii. New York, 1963. 96 p. (Naukove tovarystvo im. T. Shevchenka. Biblioteka ukrains'koye osvity [13])

## RUSSIA—ARMY—MILITARY LIFE

From the beginning of an epoch. V. Oikidach. Sov. voen. 43 no. 24-31-32 D '61.

## RUSSIA—ARMY—OFFICERS

Officers must have know-how in military technology. N. Aksonov. Voen. vent. 41 no. 6-76-77 Je '61.

## RUSSIA—ARMY—POLITICAL ACTIVITY

A course toward efficiency and enterprise. M. Kotvitskii. Komm. Vooruzh. Sil 47 no. 1-34-38 Ja '67.

The role of lectures in political studies. N. Karmanov. Komm. Vooruzh. Sil 47 no. 1-76-80 Ja '67.

## RUSSIA—ARMY—REGULATIONS

Exercise in the study of service regulations. V. Onisauk. Voen. vent. 41 no. 6-75-76 Je '61.

## RUSSIA—CENSUS

On some methodological problems of the forthcoming census of the population. G. Kildishev. Vest. stat. no. 1-44-18 '67.

Our suggestions. M. Cherkasova. Vest. stat. no. 1-49-51 '67.

## RUSSIA—CENSUS—CONGRESSES

In the Demographic Section of Moscow House of Scholars. 1. Tr. Vest. stat. no. 1-80-81 '67.

## RUSSIA—CLIMATE

[Manual on the climate of the U.S.S.R.] Spravochnik po klimatu SSSR. Leningrad, Gidrometeoizdat.

No. 28 [Tambov, Bryansk, Lipetsk, Orel, Kursk, Voronezh, and Belgorod Provinces] Tambovskaya, Bryanskaya, Lipetskaya, Orlovskaya, Kurskaya, Voronezhskaya i Belgorodskaya oblasti

Pt. 2. [Atmospheric and soil temperatures] Temperatura vozdukh i pochvy. Red. vypuska N. M. Tsvetkova. 1965. 233 p.

No. 29 [Ivanovo, Kostroma, Kirov, Gorky Provinces, Mari, Udmurt, Chuvash, Mordvin, A.S.S.R.] Ivanovskaya, Kostromskaya, Kirovskaya, Gorkovskaya oblasti, Mariyskaya, Udmurtskaya, Chuvashskaya, Mordovskaya ASSR.

Pt. 2. [Atmospheric and soil temperature] Temperatura vozdukh i pochvy. Red. vypuska S. M. Agafonova. 1964. 207 p.

## RUSSIA—COMMERCE

Aspects of competitiveness. I. Gol'dina. Vnesh. torg. 46 no. 11-28-30 '66.

Commercial kaleidoscope. Vnesh. torg. 46 no. 12-43 '66.

Commercial operations. IU, Piskulov. Mezhdunar. zhizn' 14 no. 2-156-157 '67.

Current problems in planning and developing trade. K. Skovoroda. Plan. khor. no. 2-10-16 F '67.

For steel arteries. P. Biriukov. Vnesh. torg. 46 no. 12-17-19 '66.

Foreign trade of the U.S.S.R. in refrigerating equipment and perishable products in 1965

Functions and the role of Soviet trade. A. P. Gokteli. Trudy Tbil. GU 112 253-263 '65.

**Nikitin, V. M., and V. V. Milov.** [Analysis of managerial operations in trade] Analiz khozhaistvennoi defatelnosti v torgovye. Moskva, Ekonomika, 1966. 165 p.

The plant and export. P. Borodin. Vnesh. torg. 46 no. 11-16-18 '66.

Russian racehorses for sale. O. Korol'kov. Vnesh. torg. 46 no. 12-40-41 '66.

## RUSSIA—COMMERCE—MONGOLIA

In the atmosphere of complete mutual understanding. Vnesh. torg. 46 no. 11-42 '66.

## RUSSIA—COMMERCE—SYRIA

Yahya Aravadaqi: "Negotiations went successfully." Vnesh. torg. 46 no. 12-48 '66.

## RUSSIA—COMMERCE—UNDERDEVELOPED AREAS

The U.S.S.R. and the developing countries. M. Pankin. Vnesh. torg. 46 no. 11-10-11 '66.

## RUSSIA—COMMERCE—YUGOSLAVIA

Soviet-Yugoslav trade relations. Vnesh. torg. 46 no. 11-40 '66.

## RUSSIA—COMMERCIAL POLICY

Lenin on foreign trade monopoly. I. Kovan. Vnesh. torg. 46 no. 12-3-8, 16 '66.

People's Commissar Krasin's note. Vnesh. torg. 46 no. 11-4-6 '66.

## RUSSIA—COMMUNIST PARTY see Communist Party of the Soviet Union

## RUSSIA—CONSTITUTION

**Russkii (R.S.F.S.R.) Constitution.** [Constitution (fundamental law) of the Russian Soviet Federated Socialist Republic, with amendments adopted at the fourth session of the Sixth Supreme Soviet of the R.S.F.S.R.] Konstitutsiya (osnovnoi zakon) Rossiiskoi Sovetskoi Federativnoi Sotsialisticheskoi Respubliki. S izmeneniyami i dopolnleniyami, primyanyimi na chetvertoi sessii Vysshnego Soveta RSFSR shestogo sozyva. Moskva, Rurid. lit-ra, 1955. 28 p.

## RUSSIA—CONSTITUTIONAL LAW

**Anisimova, T. B.** [Constitutional and legal forms of nationalities relations in the U.S.S.R.; a manual for universities of Marxism-Leninism] Gosudarstvenno-pravovaya formy natsional'nykh otshenii v SSSR; dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966. 61 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

## RUSSIA—CONSTRUCTION INDUSTRY

A land of new dwellings, facts and figures. Agitator 34 no. 3-24 F '67.

## RUSSIA—CULTURE

Cultivated by beauty. Vop. lit. 5 no. 0-3-12 S '61.

## RUSSIA—ECONOMIC CONDITIONS

Approach to serious research. A. Il'in. Nov. mira 38 no. 10-262-261 O '62.

**Berkhin, I. B.** [Basic stages in the development of Soviet society] Osnovnye etapy razvitiya sovetskogo obshchestva. Moskva, Znanie, 1967. 61 p. (Novoe v zhizni, nauke, tekhnike. I Seriya Istoriya, no. 1)

The fiftieth year of great accomplishments. Sots. trud 12 no. 1-3-8 Ja '67.

[For the five-year plan, our labor and energy, visual aid from the materials of the 23d Congress of the CPSU] Platel'tse - nash trud i energiya, nagladnoye posobie po materialam XXIII s'ezda KPSS. Moskva, Politizdat, 1966. 16 plates (chiefly diagrams) in portfolio. (CSH-H)

Let us give the 50th anniversary of the October Revolution a worthy reception. Part. zhizn' no. 3-67 I '67.

Let us welcome the 50th anniversary of the October Revolution in a proper manner. Agitator 34 no. 2-5-5 Ja '67.

**Minin, L. E., V. V. Kossov, and E. F. Baranov, eds.** [The interbranch balance of an economic region, methodology of preparation] Mezhotraslevoi balans ekonomicheskogo raiona, metodika sostavleniya. Moskva, Nauka, 1967. 329 p.

A nation-wide competition. Part. zhizn' no. 4-3-7 F '67.

The New Economic Policy and the contacts of socialist industry with small peasant farms. V. I. Kuz'min. Vop. ist. KPSS 11 no. 2-46-57 I '67.

The Soviet country on the eve of a great anniversary. Vest. stat. no. 1-3-13 '67.

Soviet economy in the new five-year plan. IU, Belik. Nov. vrem. 25 no. 6-5-7 F '67.

Summing-up of the first year of the five-year plan, comments to the report of the Central Statistical Administration. P. Golubkov. Agitator 34 no. 3-6-7 F '67.

Year of labor exploits. Fin. SSSR 10 no. 12-13-6 D '66.

## RUSSIA—ECONOMIC GEOGRAPHY see Geography, Economic

## RUSSIA—ECONOMIC POLICY

**Balashov, N. K.** [State plan for the development of the national economy of the U.S.S.R. in 1967, a report and closing argument at the second session of the Seventh Supreme Soviet of the U.S.S.R., December 15 and 19, 1966. The law of the Union of Soviet Socialist Republics on the state plan for the development of the national economy of the U.S.S.R. in 1967] O Gosudarstvennom plane razvitiya narodnogo khozhaistva SSSR na 1967 god, doklad i zakliuchitel'noe slovo na vtoroi sessii Verkhovnogo Soveta SSSR sed'mogo sozyva 15 i 19 dekabrya 1966 goda. zakon Soyuza Sovetskikh Sotsialisticheskikh Respublik o Gosudarstvennom plane razvitiya narodnogo khozhaistva SSSR na 1967 god. Moskva, Politizdat, 1966. 61 p.

Commodity production and the law of value in the second period of the New Economic Policy. F. D. Lobanidze. Trudy Tbil. GU 112 47-75 '65.

**Denisov, A. I.** [Basic constitutional principles of the social system of the U.S.S.R., for the universities of Marxism-Leninism] Konstitutsionnye osnovy obshchestvennogo ustroystva SSSR, dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966. 54 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

Economic problems of the U.S.S.R. A. F. Sokolovskii. Stand. i kach. 30 no. 9-73 S '66.

An explanation plus organization. V. Lobanov. Agitator 34 no. 2-39-42 Ja '67.

The foremost economic problem. G. Samboreskii. Mol. komm. no. 12-68-79 D '61.

Instructive reflections. N. Petrakov, K. Gofman. Nov. mir 42 no. 7-261-267 Ji '66.

**Karskii, J., and V. Palm.** [On the planned guidance of socialist economy and the system of economic levers] O planovom rukovodstve sotsialisticheskoi ekonomiki i sisteme ekonomicheskikh ryuchagov. Tartu, Tartuskii gos. univ., 1964. 24 p. (Material dlia obshchegon. i spetsial. kursov)

The most important economic problem of the five-year plan. A. Kirilova. Agitator 34 no. 3-43-45 F '67.

**Omarov, A. M.** [Scientific principles of national economic planning, for the universities of Marxism-Leninism] Nauchnye osnovy planirovaniya narodnogo khozhaistva; dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966. 76 p. (Organizatsiya planirovaniya i upravleniya narodnym khozhaistvom SSSR)

On forecasting in the optimal planning. S. Strumilin. Vop. ekon. no. 1-146-149 Ja '67.

On the science of management of socialist economy. A. Rumiantsev, A. Eremin. Vop. ekon. no. 1-13-14 Ja '67.

On the system of prices stimulating the carrying out of the national economic plan. V. Dedian. Vop. ekon. no. 1-170-80 Ja '67.

## RUSSIA—ECONOMIC POLICY (Continued)

Party organizations should direct their whole attention to the fulfillment of the five-year plan. *Izvestia*, Put zhizn' no 2 12-13 Ja '67.

**Petrakov, N. A.** [Some aspects of a discussion on the economic methods of management.] Nekotorye aspekty diskussii ob ekonomicheskikh metodakh hoziaistvovaniia Moskva, Ekonomika, 1965 126 p. (Obsuzhdaem problemy sovshenshtvovaniia planirovaniia, no 17)

**Polakova, U. M., and D. I. Tierskaia.** [Period of the socialist reconstruction of the national economy and the beginning of the final stage of the building of socialism, 1926-1941, in the exposition of regional study museums. On the 50th anniversary of the Great October Socialist Revolution.] Period sotsialisticheskoi ekonomicheskoi rekonstruktsii na odnom khoziaistva i nachalo zavershal'shego etapa stroitel'stva sotsializma (1926-1941 gg.) v ekspozitsii kraevykh muzeev, metodicheskoe posobie K 50-letiiu Velikoi Oktjabr'skoi sotsialisticheskoi revoliutsii. Moskva, Nauchno-issl. inst. muzei-ekspozitsii, 1966, 136 p.

A positive approach N Aleksandrov Mezhdunar. zhizn' 14 no. 2 12-13 Ja '67

Program for a great state V Zharov Mol. komm. no 12 8-12 D '61

Recommended themes for lectures, reports, and talks based on the materials of the 22d Congress of the CPSU Mol. komm. no 12 12-13 D '61

Scientific justification of propositions of social reproduction I. Brovet Vop. ekon. no. 1, 11-12 Ja '67

To study and propagandize. Vech. sred. shkola 6 no. 3 7-8 My-Je '66

## RUSSIA—ECONOMIC POLICY—MATHEMATICAL MODELS

Financial and production ties in the model of national economic planning. A S Solov'ev Ekonom. i mat. metod 3 no. 1 29-46 Ja-F '67

## RUSSIA—FEBRUARY REVOLUTION, 1917

February 1917, on the 50th anniversary of the second Russian revolution, K Shatsillo Agitator 34 no. 2 15-18 Ja '67

The first constitutional crisis in Russia in April 1917 I I Mins. Vop. ist. 42 no. 13-26 Ja '67

History of the cultural and educational work of the Petrograd Bolsheviks during their preparations for the October Revolution, V. V. Gorbunov, Vop. ist. KPSS 11 no. 2 25-35 F '67

**Moiseeva, O. N.** [The soviets of peasant deputies in 1917] Sovetskie krest'ianskii deputaty v 1917 godu. Moskva, Nauka, 1967, 204 p.

On the threshold of the bourgeois-democratic revolution in February 1917 N L Golovkina Vop. ist. 42 no. 1 205-207 Ja '67

The student movement before and during the February Revolution, L. M. Shalaginova Vop. ist. KPSS 11 no. 2 102-106 F '67

## RUSSIA—FOREIGN ECONOMIC RELATIONS—CUBA

Soviet-Cuban trade A Kaspin, Nov. vrem. 25 no. 9 31 F '67

## RUSSIA—FOREIGN ECONOMIC RELATIONS—ITALY

Great prospects. Vnesh. toig. 46 no. 11 53 '66

## RUSSIA—FOREIGN ECONOMIC RELATIONS—UNDER-DEVELOPED AREAS

Cooperation with the developing countries at the present stage V A Sergeev, Nov. vrem. 25 no. 7-6 F '67

## RUSSIA—FOREIGN OPINION

The foreign press on the revolution in Russia and the events in the Soviet Union. Mezhdunar. zhizn' 14 no. 2 107-117 '67

## RUSSIA—FOREIGN RELATIONS

Chronicle of great accomplishments, 1939-1941 (to be continued) Mezhdunar. zhizn' 14 no. 2 148-151 '67

Desperate attacks upon the idea of peaceful coexistence. V. Smolianskii, Mol. komm. no 6 34-43 Je '61

Nationwide approval of Lenin's course. Mezhdunar. zhizn' 14 no. 2 13-5 '67

Our well-chosen Leninist path. Komm. Vooruzh. Sil 47 no. 1 3-7 Ja '67

Unanimous approval Nov. vrem. 25 no. 5 1-2 Ja '67

## RUSSIA—FOREIGN RELATIONS—ASIA

From the history of the awakening of the East (to be continued), I Andronov, Nov. vrem. 25 no. 9-11-15 F '67

From the history of the awakening of the East (to be continued), I Andronov, Nov. vrem. 25 no. 10 6-8 Mr '67

## RUSSIA—FOREIGN RELATIONS—CHINA

Anti-Soviet policy of Mao Tse-tung and his group. Nov. vrem. 25 no. 9 36-40 F '67

Our comments. Nov. vrem. 25 no. 7-1-3 F '67

The tragedy of China. A. Ter-Grigorian, Nov. vrem. 25 no. 10-9-12 Mr '67

## RUSSIA—FOREIGN RELATIONS—FINLAND

Effective coalition: letters from Helsinki. D Ershov Nov. vrem. 25 no. 5 16-17 Ja '67

## RUSSIA—FOREIGN RELATIONS—GREAT BRITAIN

Our comments Nov. vrem. 25 no. 7-1-3 F '67

## RUSSIA—FOREIGN RELATIONS—ITALY

Italy, the Soviet Union, and Europe, Italian press reviews. B Raitski Nov. vrem. 25 no. 5 3-4 Ja '67

## RUSSIA—FOREIGN RELATIONS—ROMANIA

The treaty with Rumania in action. Z Morskii Nov. vrem. 25 no. 6 24-26 F '67

## RUSSIA—FOREIGN RELATIONS—TURKEY

The Soviet Union and Turkey can live as good neighbors. A. Gamsuts. Komm. Urk. 36 no. 9 75-81 S '66

## RUSSIA—GEOGRAPHY see Geography

## RUSSIA—HISTORY

Brief notes. Vop. ist. 12 no. 1 154-158 Ja '67

History of Russian-Ussurian relations in 80's and 90's of the 18th century. V. G. Machuradze. Sobor. AN Gur. SSR 44 no. 2 517-524 N '66

**Pokrovskii, M. N.** [Selected works in four books] Izbranye proizvedeniia v chetyrekh knigakh. Pod obshch. red. M. N. Tikhomirova, V. M. Khvostova, O. D. Sokolova. Moskva, Mysl',

Book 1. [Russian history from the ancient period (vols. 1 and 2)] Russkaiia istoriia s drevneishikh vremen (toma 1 i 2), 1006, 728 p.

**Uturenev, V.** [The siege of Azov, a heroic page from our history.] Azovskoe sizenie, gerolicheskoe sluzhenie nashoi istorii. New York, 1964 11 p. (NIC)

## RUSSIA—HISTORY—SOURCES

Let us improve the search of V. I. Lenin's documentary materials S T Belikov, M S Veselina. Sov. arkh. no 5 15-19 '66

Preparing for the 50th anniversary of the Soviet regime. Sov. arkh. no. 5 11-14 '66

Selecting documentary materials for publication. I. L. Sonechkina Sov. arkh. no. 5 84-88 '66

The source of intelligence (conclusion). A. Mikhnevich. Mol. komm. no. 10 52-64 '66

The 25th anniversary of the great Battle of Moscow A joint publication of the Party Archives of the Institute of the History of the Party attached to the Moscow Province and City Committees of the CPSU, the Archives of the Ministry of Defense of the U. S. S. R., and the Central Archives of Literature and Art (to be continued) Sov. arkh. no. 5 43-56 '66

## RUSSIA—HISTORY, MILITARY

In the Warsaw Military District. B. Shaposhnikov. Voen.-ist. zhur. 9 no. 1 75-88 Ja '67

## RUSSIA—INDUSTRIES

Correlation between industrial and agricultural development in the U. S. S. R., and improving the forms of collective farm property V Kirichenko. Nauch. dokl. vys. shkoly; ekon. nauki 4 no. 1 27-36 '61

**Kravitsov, V. I.** [Industrial development and technological progress] Razvitiie promyshlennosti i tekhnicheskii progress. Finanze, Kirgizskoe gos. izd-vo, 1963, 26 p.

**Lavrushev, O. I.** [Credit and industry] Kredit i promyshlennost', Moskva, Finansy, 1967, 86 p.

Several problems of the correlation between socialist industry and the socialist cooperation of the peasants G. Khaikhash'yan Nauch. dokl. vys. shkoly; ekon. nauki 4 no. 1 16-26 '61

## RUSSIA—INDUSTRIES—MAPS

Additions to the anniversary year: with a map giving locations of industrial enterprises to be built in 1967. B. Markin. Agitator 34 no. 2 30-33 Ja '67

## RUSSIA—LANGUAGES

**Desherev, I. D.** [Regularities of the development and interaction of the languages in the Soviet community] Zakonomernosti razvitiia i vzaimodelstviia iazykov v sovetskoi obshchestve. Moskva, Nauka, 1966, 401 p.

## RUSSIA—LITERATURES

**Akademii nauk SSSR, Institut mirovoi literatury.** [Paths of the development of the Soviet multinational literature] Puti razvitiia sovetskoi mnogonatsionalnoi literatury. Moskva, Nauka, 1967, 317 p.

Amid periodicals and newspapers. Vop. lit. 5 no. 9 238-239 S '61

Study the wealth of a multinational culture. G. Apresian Vop. lit. 5 no. 9 98-108 S '61

## RUSSIA—MANUFACTURES

Direct ties of suppliers and consumers. A. I. Roshchin. Vest. LGU 21 no. 23 21-31 '66

Strides of the five-year plans: production and sale of goods. R. Pan'shin, Sov. toig. 46 no. 12 32-36 D '66

## RUSSIA—MANUFACTURES—EXHIBITIONS

Preparations for the All-Union Exhibition and Review of the Best Specimens of Consumer Goods at the Exhibition of the Achievements of the National Economy of the U. S. S. R. Kons. i ov. pi om. 22 no. 1 36-37 Ja '67

## RUSSIA—MANUFACTURES—PRICES

Repeating the unmarketable consumer goods. B. N. Silenko, I. I. Lukhina Ekonom. i mat. metod 3 no. 1 113-118 Ja-F '67

## RUSSIA—MAPS

The earth becomes young again, the map of the motherland is changing. O Motseyev Sov. voia 13 no. 1 1, 14 D '61

## RUSSIA—NAVY

Defenders of peace and creative work, an article dedicated to the Soviet Army and Navy Day K. Borkhauer Agitator 34 no. 2 19-22 Ja '67

## RUSSIA—NAVY—SEA LIFE

Baltic notes. N. I. Levay. Sov. voia 13 no. 2 1-2, 24 F '61

The sea calls the strong. G. Shchedrin. Voen. zhurn. 13 no. 1 12-13 Ja '67

## RUSSIA—POLITICS AND GOVERNMENT

**Berkhin, I. B.** [Basic stages in the development of Soviet society] Osnovnye etapy razvitiia sovetskogo obshchestva. Moskva, Znaniie, 1967, 61 p. (Novye v zhizni, nauke, tekhnike. I Seriya; istoriia, no. 1)

**Beruglov, A. A.** [When a deputy receives his order...] Deputat dan nakaz... [Moskva] Mosk. rabochii, 1967 79 p. (V pomoshch' agitatoru i propagandistu)

Elections to the Soviets and tasks of the party organizations. Puti zhizn' no. 2 19-22 Ja '67

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. RSFSR nov. 0-12 F-Mr '67

[Gazette of the Supreme Soviet of the U. S. S. R.] Ved. Verkh. Sov. SSSR 30 nos. 9-12 Mr '67

**Kalinychev, F. I.** [Supreme governmental bodies of the U. S. S. R.; for universities of Marxism-Leninism] Vysshie organy gosudarstvennoi vlasti SSSR; dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966, 54 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

**Lashin, A. G.** [Origin and development of the socialist state] Vozniknoveniie i razvitiie sotsialisticheskogo gosudarstva. [Moskva] Izd-vo Mosk. univ., 1965, 410 p. (MosU)

**Panachin, F. G.** [Lenin's style in party and governmental work, for universities of Marxism and Leninism] O leninskoi stile v partii i v gosudarstvennoi rabote, dlia universitetov marksizma-leninizma. Moskva, Mysl', 1966, 62 p. (Partiinaia shkola i prava)

Political foundations of the socialist system. N. P. Larbeev, G. N. Manov. Sov. gos. i pravo no. 1 13-11 Mr '67

**Polekhin, M. N.** [The first soviet of the proletarian dictatorship] Pervyi Sovet proletarskoi diktatury. [Leningrad] Lenizdat, 1966, 338 p. (Ocherki po istorii Leninskogo Soveta rabochikh i soldatskikh deputatov 1917-1918 gg.)

**Russia (U. S. S. R.) Vorkhovnyi Sovet.** [Meetings of the Sixth Supreme Soviet of the U. S. S. R., November 1966, August 16-17, 1966, verbal report] Zasedaniia Vorkhovnogo Soveta RSFSR shestogo sozyva, verbalnyi otchet (16-17 avgusta 1966 g.), stenograficheski otchet. [Moskva] 1966, 100 p.

**Russia (U. S. S. R.) Vorkhovnyi Sovet.** [Meetings of the Seventh Supreme Soviet of the U. S. S. R.; first session, August 2-3, 1966, verbal report] Zasedaniia Vorkhovnogo Soveta SSSR sed'mogo sozyva, verbalnyi otchet (2-3 avgusta 1966 g.), stenograficheski otchet. Moskva, 1966, 278 p.

The struggle of the Communist Party of Azerbaijan for the establishment of the Transcaucasian Soviet Federal Socialist Republic and its admission into the U. S. S. R. D. B. Gulkov. Trudy Inst. ist. i prava Azerb. 21 44 67 '64

**Vinogradov, A. N.** [The Supreme Soviet of the U. S. S. R.] Vorkhovnyi Sovet RSFSR. Moskva, Urid. lit-ra, 1967 60 p.

## RUSSIA—PUGACHEV REBELLION, 1773-1775

**Mayrodin, V. V., ed.** [The peasant war in Russia in 1773-1775; the Pugachev uprising] Krest'ianskaiia voina v Rossii v 1773-1775 godakh; voostanie Pugacheva [Leningrad] Izd-vo Leningr. univ. Vol. 2 1966, 511 p.

## RUSSIA—RELATIONS (GENERAL) WITH CZECHOSLOVAKIA

News stories on Russia in the first Czech newspaper. A. S. Mylnikov, T. A. Mylnikova. Sov. slav. no. 1 60-64 '67

## RUSSIA—RELATIONS (GENERAL) WITH FOREIGN COUNTRIES

A gratifying mission. A. Pin. Nov. vrem. 25 no. 6 21 24 F '67

Intercollegiate Conference on the Activities of the CPUSA in the International Education of Workers During the Comprehensive Building of Communism. P. 2 Zhukovsk. Nauch. dokl. vys. shkoly; filos. nauki 1 no. 1 203-206 '61

Lectures of Soviet lawyers outside the U. S. S. R. I. I. Sov. gos. i pravo no. 1 143 Ja '67

**Romanovskii, S. K.** [International cultural and scientific ties of the U. S. S. R.] Mezhdunarodnye kul'turnye i nauchnye svyazi SSSR, Moskva, IMO, 1966, 238 p.

# RUSSIA—RELATIONS (GENERAL) WITH GREAT BRITAIN

Publication of English standardization specialists in the USSR. Stan. i kach. 10 no. 9:1-15 '66

# RUSSIA—RELATIONS (GENERAL) WITH IRAN

Helping our neighbor. 1 Orodov. Nov. vrem. 25 no. 9:30 '67.

# RUSSIA—RELATIONS (GENERAL) WITH MONGOLIA

Social contacts with Mongolia during the construction of the building of socialism in the Mongolian People's Republic. 1. L. Malakhov. Trudy IrP, 1st nat. konf. no. 1201-221 '66

# RUSSIA—RELATIONS (MILITARY) WITH MONGOLIA

Principal phases of Soviet military cooperation with Mongolia. 1. I. Kuznetsov. Trudy IrP 1st nat. konf. no. 1221-230 '66

# RUSSIA—RELIGION

Cultural sociological studies of the surviving traces of religion. V. K. Tancher. Pyl atel', no. 1:3-10 '65.

# RUSSIA—REVOLUTION OF 1905

Erman, L. K. [The intelligentsia in the first Russian Revolution] Intelligentsia v pervoi russkoi revoliutsii, Moskva, Nauka, 1966. 372 p.

The strike of December 1905 and the Soviet of Workers' Deputies. P. A. Sedanov. Uch. zap. Kab.-Balk gos. un. 27:54-75 '65

# RUSSIA—REVOLUTION, 1917-1921

At V. I. Lenin's behest. There were no problems of little importance during the revolution. Sov. aikh. no. 3:3-10 '66

Dezhnev, G. F. [The October Revolution and the oppressed peoples of pre-revolutionary Russia] Otklady skaya revoliutsia i ugnetennoye naryady tsarskoi Rossii Moskva, Znanie, 1967 47 p. (Novoe v zhizni, nauke, tekhnike i SSSR: Istoriya, no. 2)

The foreign press on the revolution in Russia and the events in the Soviet Union. Mezhdunar. zhurnal 14 no. 2:107-117 '67.

Glorious path of the great creation. Arkhiv, SSSR, no. 1:15 '67

The Great October Socialist Revolution and the struggle against the terrorist acts of the White Guards. G. Annashkin. Sots. zakon no. 2:9-15 '67

Great strategist. S. Ustinov. Nov. mir 18 no. 10:256-258 O '62

Heroes of the revolution, a visit to the Central Archives of the October Revolution. Sov. aikh. no. 5:57-66 '66. The Second All-Russian Congress of the Soviets and the establishment of the Soviet state. O. I. Chistyakov. Sov. gos. i prav. no. 1:74-81 Ja '67.

"There is such a party!" I. Petrov. Agitator 31 no. 3:13-18 '67.

Trainin, A. S. [The Bolshevik Party as the leader of the revolutionary movement of the young workers in 1917] Partiya bolshevikov - rukovoditsel' revoliutsionnogo dvizheniya rabochey molodozhi v 1917 godu, Krasnodar, Krasnodarskiy gos. pedagog. in-t, 1965. 174 p. (CSI-13)

Wings of our country have been strengthened that way. Av. kosm. no. 1:20-21 Ja '67.

# RUSSIA—REVOLUTION, 1917-1921—ANNIVERSARIES, ETC.

"The anniversary calendar." Part. zhizn' no. 2:61 Ja '67.

The anniversary year of the October Revolution. Nach. shkola 35 no. 1:2-4 Ja '67

Dedicated to the 50th anniversary of the Soviet regime. Vest. Mosk. un. Ser. II Zhur. 21 no. 6:80 N-D '66.

Fiftieth anniversary of the October Revolution. Priroda no. 1:3-4 Ja '67.

Fiftieth year of Soviet power. Gos. khoz. Mosk. 41 no. 1:4 of cover Ja '67

A journey through the revolution. T. Lukicheva. Bibliotekar' 44 no. 2:33-37 '67.

Let us prepare for the 50th anniversary of the Great October Revolution. Part. zhizn' no. 2:3-7 Ja '67.

Let us prepare for the glorious anniversary the proper way. Part. zhizn' no. 4:60 '67.

Preparations for the 50th anniversary of the Great October Socialist Revolution; decision of the Central Committee of the CPSU of January 4, 1967. O podgotovke k 50-letiyu vel'koi Oktobr'skoi sotsialisticheskoi revoliutsii; postanovlenie TsK KPSS of 4 yanvarya 1967 goda. Moskva, Politizdat, 1967. 30 p.

Preparations for the 50th anniversary of the Soviet regime. Part. zhizn' no. 2:60 Ja '67.

Preparing for the 50th anniversary of the Soviet regime. Sov. arkh. no. 5:11-14 '66.

Stepping into the anniversary year. Az. i Afr. seg. 10 no. 1:2-3 Ja '67.

The whole world is getting ready for the 50th anniversary of the Great October Revolution. Part. zhizn' no. 3:74-76 '67

# RUSSIA—REVOLUTION, 1917-1921—BIBLIOGRAPHY

Books for the 50th anniversary of the October Revolution. Knizh. torg. 18 no. 1:52-53 Ja '67.

In our fathers' footsteps. Bibliotekar' 41 no. 2:27-32 '67

Preparing for the 50th anniversary of the October Revolution. G. V. Potilakov. Vop. ist. KPSS II no. 2:151-155 '67.

# RUSSIA—REVOLUTION, 1917-1921—BULGARIAN PARTICIPATION

Among fighters for the victory of the revolution. Khiz. tan. Kaley. Sov. slav. no. 1:51-55 '67

# RUSSIA—REVOLUTION, 1917-1921—FOREIGN PARTICIPATION

They fought for the Soviets. L. A. Koyev. Nov. vrem. 25 no. 0:20-22 '67.

# RUSSIA—REVOLUTION, 1917-1921—PICTORIAL WORKS

Two rare photos. Sov. aikh. no. 5:42 '66

# RUSSIA—SOCIAL POLICY

Denisov, A. I. [Basic constitutional principles of the social system of the U.S.S.R., for the universal ideas of Marxism-Leninism] Konstitutsionnye osnovy obshchestvennogo ustroystva SSSR, dlia universitetov marksizma-leninizma Moskva, Myst', 1966 54 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

# RUSSIA—STATISTICS

A chapter from the report of the Central Statistical Administration, facts and figures. R. Pan'elina. Agitator 34 no. 2:34-36 Ja '67

A land of new dwellings, facts and figures. Agitator 34 no. 3:24 '67.

Mints, L. E., V. V. Kossov, and E. F. Baranov, eds. [The interbranch balance of an economic region, methodology of preparation] Mezhotraslevoy balans ekonomicheskogo raiona, metodika sostavleniya. Moskva, Nauka, 1967. 329 p.

# RUSSIA—UNDERGROUND LITERATURE

Bolshevik leaflets on the eve of the February Revolution. Vop. ist. KPSS II no. 2:76-85 '67.

# RUSSIA—WORLD WAR, 1939-1945—CAMPAIGNS

They marched in a column. P. Mironov. Voen. znani 43 no. 1:32-33 Ja '67.

# RUSSIA, ASIATIC—ATMOSPHERIC PRESSURE

Effect of thermal and dynamic factors on seasonal transformations of pressure fields fields over Asiatic U.S.S.R. N. I. Seigeev. Trudy Lim. inst. 10:3-13 '68.

# RUSSIA, NORTHERN—ACCLIMATIZATION

Conference on the Problems of Acclimatization and Acclimatization of the Inhabitants of the Far North. Z. P. Sokolova. Sov. etn. no. 2:122-123 Mr.-Ap '61.

# RUSSIA, NORTHERN—ARCHITECTURE, MEDIEVAL

A conference on the "Cultural monuments of Northern Russia" A. A. Lobedeva. Sov. etn. no. 6:117-122 N-D '66

# RUSSIA, NORTHERN—BALLADS, SERBIAN

More about a Serbian ballad recorded in the Russian North. M. I. Gol'boig. Sov. slav. no. 1:70-71 '67.

# RUSSIA, NORTHERN—BIRDS

In the footsteps of man. Priroda no. 1:125-126 Ja '67.

# RUSSIA, NORTHERN—ECONOMIC CONDITIONS

Conference on the Problems of Acclimatization and Acclimatization of the Inhabitants of the Far North. Z. P. Sokolova. Sov. etn. no. 2:122-123 Mr.-Ap '61

# RUSSIA, NORTHERN—GEOLOGICAL RESEARCH

Basic results of the research of the Institute of the Arctic Geology carried out in the northern part of Eastern Siberia. F. G. Markov. Inform. biul. NIIGA no. 15:5-10 '59.

# RUSSIA, NORTHERN—LABOR LAWS AND LEGISLATION

For those who work in the Far North. O. Eremova, I. V. Zederbaum. Sots. trud. 12 no. 1:131-136 Ja '67. Recent legislative enactments. Sots. zakon. no. 2:77-78 '67.

# RUSSIA, NORTHERN—NAMES, GEOGRAPHICAL

Cartography as a method of investigating substratal place names. E. M. Pospelov. Vop. iaz. no. 1:80-91 Ja-P '67.

# RUSSIA, NORTHERN—PARASITES—REINDEER

Detection of reindeer used for draft purposes from horseflies. D. V. Sovetov, V. A. Polilekov. Vest. sel'khoz. nauki 11 no. 12:136 D '66.

# RUSSIA, NORTHERN—PINE

Effect of planting time on the viability of pine and spruce plantations. G. S. Tutygin. Izv. vys. uch. zav. i les. zhur. 8 no. 0:164 '66.

# RUSSIA, NORTHERN—PINK SALMON

Migration and behavior of young acclimatized Oncorhynchus gorbuscha. M. S. Kamyshina. Ryb. khoz. 43 no. 1:9-12 '67.

# RUSSIA, NORTHERN—RAILROADS—RAILS—WELDING

Improve the quality of build-up welding of crossing rails. A. A. Simon. Put' i put. khoz. 10 no. 10:24-25 '66

# RUSSIA, NORTHERN—SCHOOLHOUSES

Problems of designing day schools, boarding schools, and children's institutions for the Far North. I. V. Rimskaya-Korsakova. Izv. ASIA no. 3:76-78 '61

# RUSSIA, NORTHERN—SPRUCE

Effect of planting time on the viability of pine and spruce plantations. G. S. Tutygin. Izv. vys. uch. zav. i les. zhur. 9 no. 0:164 '66

# RUSSIA, NORTHERN—WORLD WAR, 1939-1945—NAVAL OPERATIONS

Seamen of the Northern Fleet. A. I. Gasparian. Mol. komm. no. 12:110-114 D '61.

# RUSSIA, NORTHWESTERN—AFFORESTATION

Afforestation of drained transitional bogs. Sbor. nauch. i issl. rab. po les. khoz. no. 6:207-227 '63.

# RUSSIA, NORTHWESTERN—APPLE

Thermal condition of apple trees in winter in the north-west. I. N. Kotovich. Biul. nauch. i tekhn. inform. po agron. i z. no. 8/9:104-110 '60

# RUSSIA, NORTHWESTERN—ELECTRICITY IN AGRICULTURE

Nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva Severo-Zapada. [Technology and system of machines for the overall mechanization and electrification of agriculture in the northwestern zone] Tekhnologiya i sistema mashin dlia kompleksnoi mekhanizatsii i elektrifikatsii sel'skogo khoziaistva Severo-zapadnoi zony. Leningrad, Kolos, 1965. 270 p. (Izg. Nauchnye trudy) (DNAL)

# RUSSIA, NORTHWESTERN—FARM MECHANIZATION

Nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khoziaistva Severo-Zapada. [Technology and system of machines for the overall mechanization and electrification of agriculture in the northwestern zone] Tekhnologiya i sistema mashin dlia kompleksnoi mekhanizatsii i elektrifikatsii sel'skogo khoziaistva Severo-zapadnoi zony. Leningrad, Kolos, 1965. 270 p. (Izg. Nauchnye trudy) (DNAL)

# RUSSIA, NORTHWESTERN—RHEUMATIC FEVER

Morbidity, prevention and antirheumatic treatment of rheumatic fever in the northwestern waterways basin. I. A. G. Sovetnyi, O. V. Vnogradskii. Sov. med. 29 no. 10:73-75 O '66.

# RUSSIA, SOUTHERN—CONSTRUCTION INDUSTRY

For railroad men of the Southern main line. G. A. Nosachenko. Transp. stroi. 16 no. 2:31-32 '66.

# RUSSIA, SOUTHERN—FORESTS AND FORESTRY

Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut lesa i drevessiny. [Forests of the U.S.S.R. In five volumes] Lesa SSSR v piati tomakh. Moskva, Nauka. Vol. 3. [Forests of the south of the European part of the U.S.S.R. and Transcaucasia] Lesa yuga Evropeyskoi chasti SSSR i Zakavkaz'ya. 1966. 461 p. (DNAL)

# RUSSIA, SOUTHERN—PETROLEUM REFINERIES

First oil refineries in southern Russia. P. Logachev. Neftianik 11 no. 8:37 '66.

# RUSSIA, SOUTHERN—STONE AGE

Some problems of the periodization and geological dating of the Paleolithic of the southwestern part of the European U.S.S.R. in connection with new data on multi-layer sites in the Dniester Valley. A. P. Chernysh. Trudy Kom. chety. per. 18:89-93 '61.

# RUSSIAN FICTION—HISTORY AND CRITICISM

Ershov, L. F. [The Soviet Russian novel; national traditions and innovations] Russkii sovetskii roman, natsional'nye traditsii i novatorstvo. Leningrad, Nauka, 1967. 338 p.

# RUSSIAN LANGUAGE—AFFIXES

Certain suffixal patterns of technical terms. T. L. Kandelaki. Nauch. dokl. vys. shkoily; filol. nauki 5 no. 1:42-55 '62.

# RUSSIAN LANGUAGE—CASE

Noun declension in literary monuments of northeastern Russia from the end of the 14th to the beginning of the 16th century. V. B. Kulikov. Trudy UZGU 95:77-110 '59

# RUSSIAN LANGUAGE—CRESTOMATHIES AND READERS

Working with the new Russian language reader for the first grade. V. A. Kustareva, M. L. Zakozhnikova. Nach. shkola 35 no. 1:72-76 Ja '67.

# RUSSIAN LANGUAGE—COMPOSITION AND EXERCISES

Zvolinskai, I. I. [Didactic material on the Russian language for grade 4 of the two-group school]. Didakticheskiy material po russkomu yazyku dlia IV klassa dvukompleknoy shkoly. Izd. 3. Moskva, Gos uchebno-pedagog. izd-vo, 1962. 173 p. (NIC)

# RUSSIAN LANGUAGE—DICTIONARIES

The work of his life, on the centenary of the publication of V. I. Dal's dictionary. Vest. Mosk. un. Ser. II. Zhur. 21 no. 6:18-26 N-D '66.

# RUSSIAN LANGUAGE—DICTIONARIES—KIRGHIZ

Aibaev, S. A., K. S. Salimankulov, and K. Sh. Shatenliov. [Russian-Kirghiz dictionary of chemical terms]. Khimicheskiy slovar' rusko-kirgizskiy i kirgizsko-russkiy. Moskva, Izdatel'stvo Khimicheskoy literatury, 1966. 317 p.

# RUSSIAN LANGUAGE—DICTIONARIES—LITHUANIAN

Meškauskas, K., and others, ed. [Russian-Lithuanian dictionary of economic terms]. Rusiskai lietuviskas ekonomikos terminu zodynas. Vilnius, Mintis, 1960. 290 p. [in Lithuanian]

# RUSSIAN LANGUAGE—DICTIONARIES—POLYGLOT

Davydov, N. N. [Russian-English-German-French-Latin botanical dictionary]. Botanicheskiy slovar' russko-angliiskii-nemetsko-frantsuzsko-latinskii. Pod red. F. Kh. Bakhteeva. Izd. 2, stereotipnoe. Moskva, Glav. red. inostr. nauchno-tekhn. slovarov FIZMATGIZ, 1962. 335 p. (Tex)

# RUSSIAN LANGUAGE—FOREIGN ELEMENTS

Isaev, E. M. [Foreign language vocabulary and its place in the lexical structure of the contemporary Russian literary language; materials for the course "Practical style of the Russian literary language." A textbook for students of the Editorial Department]. Inozazychnaya leksika i ee mesto v slovarnom sostave sovremennoy russkoy literaturnoyazyka, materialy k kursu "Prakticheskaya stilistika russkogo literaturnoyazyka." Uchebnoe posobie dlia studentov redaktorskogo fakulteta. Moskva, Mosk. poligr. in-t, 1965. 17 p. [MICROFILM]

# RUSSIAN LANGUAGE—GRAMMAR

Recommended planning of grammar lessons in the first grade. N. G. Utkina, V. P. Kozlova. Nach. shkola 35 no. 1:76-83 Ja '67.  
Recommended planning of lessons in grammar. N. G. Utkina, V. P. Kozlova. Nach. shkola 35 no. 2:80-93 F '67.

# RUSSIAN LANGUAGE—GRAMMAR, COMPARATIVE—GERMAN

Distinguishing separate attributes in order to distinguish them from similar grammatical structures. T. A. Sytlova. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:174-186 '62.  
Grammatical function of the separate parts of a sentence. G. V. Kolshanskii. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:31-41 '62.  
Synclastic variants. E. I. Shendel's. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:18-19 '62.

# RUSSIAN LANGUAGE—LEXICOGRAPHY

The Academy's seventeen-volume Dictionary of the modern Russian literary language and its significance for Soviet linguistics. V. V. Vinogradov. Vop. iaz. 15 no. 6:3-26 N-D '66.

# RUSSIAN LANGUAGE—NOUN

Noun declension in literary monuments of northeastern Russia from the end of the 14th to the beginning of the 16th century. V. B. Kulikov. Trudy UzGU 95 77-119 '59.

# RUSSIAN LANGUAGE—NUMERALS

Constructions of the type "I met five men" in the 17th century, on the history of the declension of numerals. L. N. Dvornikova. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:206-209 '62.

# RUSSIAN LANGUAGE—OLD RUSSIAN—ACCENTS AND ACCENTUATION

Stress in the Old Russian combination with a "hard sign" preposition. V. V. Kolesov. Vop. iaz. 15 no. 6:81-91 N-D '66.

# RUSSIAN LANGUAGE—OLD RUSSIAN—LEXICOGRAPHY

Work on the Little dictionary of the Old Russian language of the 11th-17th centuries. G. A. Bogatova. Izv. AN SSSR, Ser. lit. i iaz. 25 no. 6:524-527 N-D '66.

# RUSSIAN LANGUAGE—SENTENCES

Shatkovskii, S. I. [Indefinite-personal sentences in the Russian and Polish languages]. Neopredelomno-lichnye predlozheniya v russkom i pol'skom yazykakh. Nauch. rukovoditel' T. P. Lomtov. [Moskva] Izd-vo Mosk. univ., 1958. 27 p. (CaQru)

# RUSSIAN LANGUAGE—STUDY AND TEACHING

(see also subdivision under Katmandu, Nepal)  
Developing the first-graders' ability for independent thinking. S. F. Zhukov. Nach. shkola 35 no. 2:66-71 F '67.

Differentiated assignments in the study of the verb. V. K. Lotarev. Nach. shkola 35 no. 2:25-27 F '67.  
From the experience of two schools. Nar. obr. no. 2 insert 1-16 F '67.

Gorclak, A. N. [The picture as a tool in development of speech, an aid for the teacher]. Kartinka kak sredstvo razvitiya rechi, posobie dlia uchitelia. Leningrad, Prosveshchenie, 1965. 138 p. (NIC)

Recommended planning of grammar lessons in the first grade. N. G. Utkina, V. P. Kozlova. Nach. shkola 35 no. 1:76-81 Ja '67.

Reviewing the Russian language studies in senior classes. H. D. Selez'ko. Vech. sred. shkola 9 no. 5:79-80 S-O '66.

Trapeznikova, T. Z., comp. [Problems of education during Russian lessons, articles on work practice]. Voprosy vospitaniia na urokakh russkogo yazyka, sbornik statei iz opyta raboty. Leningrad, Prosveshchenie, 1955. 178 p. (NIC)

Vocabulary work in the first grade. I. N. Khudakov. Nach. shkola 35 no. 1:23-26, 69 Ja '67.  
Who thought of it? My students and I. A. Ivanovskaya. Nar. obr. no. 2:35-37 F '67.

# RUSSIAN LANGUAGE—SYNTAX

Of what does the subject of syntax consist and what should be its structure? A. V. Bondar'ko. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:211-215 '62.

# RUSSIAN LANGUAGE—TERMS AND PHRASES

Completive prepositional-noun phrase. A. A. Tsol. Trudy UzGU 95 31-42 '59.  
Constant and variable in the structure of a fixed phrase. V. L. Arkhangel'skii. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:210-213 '62.

History of Russian agricultural terminology. Z. A. Drazova. Izv. AN Turk SSR Ser. obshchestv. nauk no. 5:50-59 '60.

Structure of prepositional-noun phrases. A. A. Tsol. Trudy UzGU 95 19-30 '59.

# RUSSIAN LANGUAGE—VERB

Kukharevich, N. E. [Study of prefixed verbs in the non-Russian lecture hall]. Nauchnoe pristavochnykh glagolov v nerusskoi auli. Moskva, Univ. družby narodov, 1960. 87 p.

Ways of expressing the inchoative meaning of Russian verbs. A. N. Tikhonov. Trudy UzGU 85:43-75 '59.

# RUSSIAN LANGUAGE—WORD FORMATION

Derivational variants of names of inhabitants in Russian and Ukrainian. V. O. Ikonnykh. Lekykol. i leknyrogi. no. 2:33-41 '66.

# RUSSIAN LANGUAGE—WORD ORDER

Analysis of the position of the word form as a method for studying syntax. Z. D. Popova. Nauch. dokl. vys. shkoly, filol. nauki 5 no. 1:19-30 '62.

# RUSSIAN LITERATURE

Brief news. Vop. lit. 5 no. 0:240-256 S '61.

# RUSSIAN LITERATURE—BIBLIOGRAPHY

Bibliography—Russian literature

# RUSSIAN LITERATURE—HISTORY AND CRITICISM

About literature as a trade. F. Svetov. Nov. mir 12 no. 7:219-231 JI '66.

Bazhnev, I. D. [Hero and the time] Hero i chas. Kyiv, Naukova dumka, 1965. 119 p.

Efremov, V. [Sketches of the history of Russian literature of the 19th century]. Ocherki po istorii russkoi literatury XIX veka. Washington, D. C., Izd. knizhnogo magazina V. Kamkin [1966] 351 p. (NJR)

From N. K. Krupskaya's literary legacy. Nov. mir 38 no. 10:270-274 O '62.

Research must be conducted on a higher level. V. Porosov and others. Vop. lit. 5 no. 0:58-97 S '61.

Shadows come to life. E. Ginzburg. Nov. mir 42 no. 7:257-260 JI '68.

[Time, judge it! Articles on literature]. Vremia, sudit slava o literature. Moskva, Pravda, 1967. 77 p. (Biblioteka "Komsomol'skoi pravdy," no. 3)

To the stars; remarks on the prose of young writers. L. Lazarev. Vop. lit. 5 no. 0:13-36 S '61.

"Young guard" writers and chroniclers of the Komsomol. Aleksandr Ispakh. V mire knig 8 no. 6:37-38 Je '60.

# RUSSIAN LITERATURE—PERIODICALS

From the editor: "Novyi mir" in 1963. Nov. mir 38 no. 10:284-286 O '62.

# RUSSIAN LITERATURE—STUDY AND TEACHING

A synthesis of the arts during Russian literature classes. A. V. Shovelova. Vech. sred. shkola 9 no. 5:71-73 S-O '66.

"Ties of the times." L. Aizerman. Nar. obr. no. 1:46-52 Ja '67.

# RUSSIAN NEWSPAPERS

(see also subdivision under Katmandu, Nepal)  
Articles on Saratov and the Saratov Government by the newspaper "Kolokol." N. A. I. iaz. 15 no. 6:10-11 N-D '66.  
Trudy Nanch. bibl. SGU no. 1:1-10 N-D '66.  
We received these answers. Nar. obr. no. 1:1-10 N-D '66.

# RUSSIAN PERIODICALS

About literature as a trade. F. Svetov. Nov. mir 12 no. 7:219-231 JI '66.  
"New Times" and its readers. Nar. obr. no. 1:1-10 N-D '66.  
Our questionnaire. V mire knig 8 no. 6:1-10 Je '60.  
Vavushin, L. E. [The magazine "Russkoe slovo" 1959-1966]. Zhurnal "Russkoe slovo" 1959-1966. [Leningrad] Izd-vo Leningr. univ., 1960. 240 p.

Verse published in "Murylikh." V. I. Ispakh. Oktabr' 43 no. 1:101-109 N '60.

# RUSSIAN PLAIN

see East European Plain

# RUSSIAN PLATFORM—ANHYDRITE

Metasomatic origin of Paleozoic anhydrites in the part of the Russian Platform. M. M. Babin. MOIP. Otd. geol. 36 no. 5:111-115 O '61.

# RUSSIAN PLATFORM—BRACHIOPODA, EXOSKELETON

Distribution of Productus cam and V. in the Krasnodar stage of the Russian Platform. M. M. Babin. MOIP. Otd. geol. 36 no. 4:85-90 May '61.

# RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHY

Lower Devonian-Silurian formation in the Russian Platform. M. V. Chibrikov. A. I. A. Chagnav. Dokl. AN SSSR 177 no. 1:141-144 N '62.

# RUSSIAN PLATFORM—GEOLOGY, STRATIGRAPHY

New data on Puchezh disconformity. M. M. Babin. MOIP. Otd. geol. 36 no. 5:111-115 O '61.

# RUSSIAN POETRY—BIBLIOGRAPHY

Russian poetry

# RUSSIAN POETRY—HISTORY AND CRITICISM

Pavlovskii, A. I. [Soviet Russian poetry in the years of the Great Patriotic War]. Russkaya poeziya v gody Veliko Otechestvennoy voyny. Leningrad, Nauka, 1967. 275 p.

# RUSSIAN PROSE LITERATURE—BIBLIOGRAPHY

Bibliography—Russian prose literature

# RUSSIAN SOCIAL DEMOCRATIC PARTY

(see also subdivision under Armenia, Russia, Leningrad)  
Bolshevik leaflets on the eve of the Russian Revolution. Vop. ist. KPSS 11 no. 2:76-85 J '67.  
Lenin, V. I. [V. I. Lenin on ideological work]. V. I. Lenin ob ideologicheskoi rabote. Moskva, Politizdat, 1966. 435 p.  
"There is such a party!" I. Petrov. Vop. ist. KPSS 11 no. 2:76-85 J '67.

# RUSSO, GEORGII ANDREEVICH, d. 1966

Georgii Andreevich Russo, obitua. Izv. AN SSSR, Ser. lit. i iaz. 25 no. 13:3 '66.

# RUSTAVELI, SHOTA, fr. 1900

[Leading exponents of Russian culture on Shota Rustaveli]. Delateli russkoi kul'tury o Shota Rustaveli. [Tbilisi] Lit-ra da khelovneba, 1960. 319 p.

Natadze, N. R., and S. S. Tsahuridze. [Shota Rustaveli and his poem]. Shota Rustaveli i ego poema. [Tbilisi] Ganatleba [1966] 145 p.

Shota Rustaveli. A. Baramidze. V mire knig 6 no. 6:23-27 Je '66.

Shota Rustaveli, V. Ositov. Neftianik 11 no. 6:15-17 S '60.

# RUSTAVI (GEORGIA)—STEEL INDUSTRY

Initiators of a competition. D. Na. (d. 1961). Izv. AN SSSR, Ser. lit. i iaz. 25 no. 2:50-51 Ja '67.

# RUSTS (FUNGI)

New species of fungi. Pucciniae. Izv. AN SSSR, Ser. lit. i iaz. 25 no. 2:50-51 Ja '67.

Use of hydroquinone and 2,4-D in controlling erosion of oaks. V. I. Tsinger. Trudy KHNH 46 no. 4:4-5 O '60.

# RUTHENIA

see Transcarpathia

# RUTHENIUM

Electrochemical study of hydrogen adsorption on ruthenium in aqueous-organic media. G. I. Khochimskii. R. B. Taran. Vest. Mosk. un. Ser. fiz. i khim. 21 no. 4:33-37 N-D '66.

Preparation and study of solutions of elemental ruthenium in perchloric and sulfuric acids. V. M. Vokosheva. Lazarev, I. A., S. Khvorostin. Khimicheskii 1966:23-682 '66.



## RUTHENIUM COMPOUNDS

Separation of ruthenium by natural sorbents. Part 2: Sorption of ruthenium nitrosyl complexes. N. M. Stetsyn, I. A. Rovinsky, V. V. Laprovskova. Radiokhimiya no 6, 692-695 '66

## RUTILE

Dependence of morphology of crystals of artificial rutile on impurities and conditions of growth. I. I. Naumova, I. N. Antikina. Min. shor. no 1, 580-582 '66

## RUTILE—SPECTRA

Effect on paramagnetic resonance spectrum appearing in oxygen adsorption on rutile. V. M. Mostikhin. Kinetika no 6, 1105-1107 '66

## RYAZAN—GRAIN—STORAGE

Eight courses in Ryzan. M. Voronin. Muk. elev. prom. no 3, 29-31 '60

## RYAZAN—PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Building one hundred thousand rubles. E. Fedorov. Na stroit. Ross. no 5, 110-111 '64

## RYAZAN PROVINCE—GRAIN TRADE

Some problems of grain procurement. V. D. Mirliev. Zakup. sel'khoz. prod. no 12, 14-15 '66

## RYAZAN PROVINCE—SOILS

Qualitative evaluation of soils in Spas-Klepkhi, Ryzan', and Shilovo-Sapozhok districts of Ryzan' Province. G. G. Frenkin. Vest. Mosk. un. Ser. 6: Biol., pochv. no 5, 112-114 S-O '66

## RYBNSK—INDUSTRIAL MANAGEMENT

Strange orders. O. Morozhkin. Part. zhizn' no 1, 66-67 '61

## RYBNSK RESERVOIR—BREAM

Determining the optimum concentration of food for bream larvae with the help of radioactive carbon  $C^{14}$ . D. A. Panov. IU. I. Sorokhin. Trudy Inst. biol. vnutr. vod. no 10, 109-110 '66

Feeding habits of Abramis ballerus (L.) larvae in Rybnik Reservoir. G. L. Panova. Trudy Inst. biol. vnutr. vod. no 10, 100-107 '66

Observations on feeding habits of bream larvae in Rybnik Reservoir. D. A. Panov. Trudy Inst. biol. vnutr. vod. no 10, 51-75 '66

## RYBNSK RESERVOIR—BURBOT

Population dynamics and present stock of burbot in Rybnik Reservoir. V. I. Ostroumova. Trudy Inst. biol. vnutr. vod. no 10, 102-105 '66

Spawning grounds of burbot in Rybnik Reservoir. V. M. Volodin. Trudy Inst. biol. vnutr. vod. no 10, 21-20 '66

## RYBNSK RESERVOIR—CURRENTS (HYDROLOGY)

Study of horizontal water circulation in Rybnik Reservoir. N. V. Butov. Trudy Inst. biol. vnutr. vod. no 10, 225-228 '66

## RYBNSK RESERVOIR—FISH POPULATIONS

Degree of stability of local fish population range. A. G. Poddubnyi. Trudy Inst. biol. vnutr. vod. no 10, 242-246 '66

## RYBNSK RESERVOIR—FISHES

Determining eggs of phytophagous fishes by predators in natural spawning grounds of Rybnik Reservoir. L. K. Hina. Trudy Inst. biol. vnutr. vod. no 10, 46-50 '66

## RYBNSK RESERVOIR—FISHES—FOOD

Feeding habits of larvae of Rutillus rutillus L., Blicca bjorkna L., Leuciscus idus L. and Perca fluviatilis L. in Rybnik Reservoir. D. A. Panov. Trudy Inst. biol. vnutr. vod. no 10, 76-90 '66

## RYBNSK RESERVOIR—PELECUS

Development of Pelecus cultratus (L.) in Rybnik Reservoir. V. M. Volodin. Trudy Inst. biol. vnutr. vod. no 10, 3-8 '66

Feecndity of Pelecus cultratus (L.) in Rybnik Reservoir. V. M. Volodin. Trudy Inst. biol. vnutr. vod. no 10, 20-22 '66

## RYBNSK RESERVOIR—PIKE

Age-related and local changes in food composition of pike in Rybnik Reservoir. M. N. Ivanova. Trudy Inst. biol. vnutr. vod. no 10, 111-118 '66

## RYBNSK RESERVOIR—ROACH (FISH)

Adaptive response of roach population to changing habitat conditions. A. G. Poddubnyi. Trudy Inst. biol. vnutr. vod. no 10, 131-138 '66

## RYBNSK RESERVOIR—WAVES

Accuracy of calculated heights of waves based on material of observations on Ribnik Reservoir. V. F. Gushchik. Shor. zn. po gidrol. no 0, 81-88 '66

## RYE

Dynamics of organic matter in soil under a rye monoculture. G. S. Montulak. Pochvovedenie no 3, 21-33 '60

## RYE—VARIETIES

"Vyatka-2," a rye variety producing large crops. K. Glukhikh. Inform. bliz. VDNKII no 12, 30 '66

## RYLENKO, NIKOLAI IVANOVICH, 1909-

Adventure and the commonplace. L. Sorokin. Nov mir no 10, 233-236 '62

## SABLES see subdivision under Aldan-Uchar Range region

SABLES—FEEDING AND FEEDS see subdivision under Yakutia

## SACHS, HANS, 1494-1570

Phonetic peculiarities of the German language in the works of Hans Sachs. M. Z. Latski. Inoz. filol. no 6, 75-81 '66

## SADON (NORTH OSSETIA)—MINERS—DISEASES AND HYGIENE

Late silicosis in workers of the Sadon Mines according to data on X-ray observations. V. Kh. Kogan, Z. E. Dukaev. Shor. nauch. trud SOGMI no 10, 94-96 '61

## SAFFLORITE see subdivision under Tuva Autonomous Province

## SAFRANINE

Extraction-photometric method of determining rhodium by means of safranine T. A. T. Pilipenko, Nguyen Mong Shin. Ukr. khim. zhur. no 11, 1211-1215 '66

## SAFRANINE—ELECTRIC PROPERTIES

Changes in electric conductivity in the course of photochemical reactions in solutions of safranine T. TU. M. Stolyarskiy, V. B. Fyaltseva. Teoret. i eksper. khim. no 5, 641-648 S-O '66

## SAINT EXUPÉRY, ANTOINE DE, 1900-1944

Letter to a hostage. Antoine de Saint Exupéry. Translated from the French by R. Grachev. Nov mir no 10, 123-125 '62

Role of action in the works of Antoine de Saint Exupéry. L. B. Voloshyna. Inoz. filol. no 6, 138-144 '66

## SANTS

The Vilna Saints. Igumen P. edislav. Zhur. Mosk. Patr. no 12, 36-38 '66

## SAKHALIN—CONSTRUCTION INDUSTRY—FINANCE

Experience in carrying out economic tasks in Sakhalin-Morskiy Trust. B. K. Bikhler. Transp. stroit. no 3, 32-34 '66

## SAKI, LAKE—BRINES

Using the method of artificial refrigeration for the separation of magnesium sulfates from the brine of the Saki Lake. N. O. Evert, M. D. Tarabrina. Trudy GIPKI no 4, 73-71 '62

## SAKKARA—TOMBS

In search of an ancient sage's tomb. I. Kotanel'son. Az. i Afr. seg. no 1, 60-61 '61

## SAKU (ESTONIA)—AGRICULTURAL RESEARCH

Latvian Scientific Research Institute of Agriculture and Melioration. I. Jurisone. Vest. sel'khoz. nauki II no 11, 125-129 '66

## SALAIR RANGE—GOLD ORES

Genetic types and formations of gold mineralization in Kuznetsk Alatau and Salair. A. A. Bulyanikov. Trudy TOU 104, 75-85 '63

## SALES TAX

Payment for production funds and the turnover tax. D. Molakov. Fin. SSSR no 10, 1241-44 '66

## SALESMEN AND SALESMANSHIP

Store is the best training ground for salespeople. E. V. Grachev. Gor. khoz. Mosk. no 10, 1238-39 '66

## SALGIR RIVER—TERRACES (GEOLOGY)

Terraces of the Salgir River. N. I. Lyzenko. Izv. Krym. old. Geog. ob-va no 6, 73-78 '61

## SALGIR VALLEY—MICROBIOLOGY

Mycrophytes of the waters in the mountainous and submontane parts of the basins of the Salgir River and the Simferopol Reservoir. P. M. Khristuk. Izv. Krym. old. Geog. ob-va no 6, 139-152 '61

## SALICYLANILIDE

Determination of salicylanilide in the impregnation bath by the bromination reaction. E. V. Shitser. Nauch. issl. trudy TSNILV 21, 62-68 '66

Dichloroiodo derivatives of salicylanilide and monochloro salicylanilides, new synthetic antimicrobial substances. M. M. Rotmistrov, H. V. Kulyk. Dop. AN URSSR no 7, 665-667 '62

## SALICYLIC ACID

Some characteristics of the impregnation of the wood of growing beech by sulfosalicylic acid. I. I. Gordienko, G. S. Korolaki, T. K. Malko. Les. bum. i der. prom. no 3, 18-26 '66

## SALINE AND ALKALI SOILS

(see also subdivision under Poltava Province)

Effect of salts on compressive properties of loess. L. F. Stupakova, L. V. Smolina, R. A. Popova. Stroit. arkhit. Uzb. no 12, 23-24 '66

Improvement and development of saline soils in Azerbaijan. A. K. Bekhudov. Gidr. i mel. no 14, 53-10 '62

## SALINE WATERS—COMPOSITION see subdivision under Crimea

## SALINE WATERS—DEMINERALIZATION

Study of the process of electrochemical softening and stabilization of water. V. F. Negreev, Z. S. Elgulashvili. Trudy Inst. khim. AN Azerb. SSR no 150-160 '64

## SALINE WATERS—PHYSIOLOGICAL EFFECT

Morphological changes in the animal skin under the effect of artificial sodium chloride baths. V. V. Soldatov. Vop. kur. i fizioter. i lech. fiz. kul't. no 6, 512-517 '66

## SALINITY see subdivision under Azov, Sea of; Caspian Sea

## SALIVA

Methods of studying saliva in ruminants. K. T. Tashenov. Trudy Inst. fiziol. AN Kazakh. SSR no 207-209 '66

## SALIVARY GLANDS

Real potentials of the secretory cells of the submaxillary and sublingual glands in cats and their "spontaneous" changes following intracellular derivation. S. D. Kovtun. Fiziol. zhur. [Ukr.] no 12, 6, 781-786 N-D '66

## SALMONELLA

New method of preparing agglutinating factorial H-sera for the identification of Salmonella. A. S. Zuev. Zhur. mikrobiol., epid. i immun. no 1, 34-38 '67

SALMONELLA—CULTURES AND CULTURE MEDIA Characteristics of bottom cultures of Salmonella typhimurium on a semiautomatic unit in media of different composition. L. D. Shumkova. Zhur. mikrobiol., epid. i immun. no 1, 54-57 '67

## SALMONELLA—PHYSIOLOGY

Heterogeneity of Salmonella enteritidis population in respect to deoxyribonuclease activity. N. M. Iuditskaya. Zhur. mikrobiol., epid. i immun. no 1, 58-61 '67

Some characteristics of typhoid bacteria. B. U. Shuster. Zhur. mikrobiol., epid. i immun. no 1, 149-150 '67

## SALMONELLA INFECTIONS

(see also subdivision under Armenia)

Improvement of laboratory diagnosis of salmonellosis. V. A. Kilasov and others. Zhur. mikrobiol., epid. i immun. no 1, 65-70 '67

## SALT—EFFECT ON PLANTS see Plants, Effect of salt on

## SALT DEPOSITS

Economic efficiency of flow diagrams of underground petroleum products reservoirs in salt formations. F. M. Sirazetdinov, G. Sh. Kudolarov. Transp. i khim. nefti i nefteprod. no 11, 32-35 '66

Exploitation of underground reservoirs of petroleum products, built in salt deposits. IU. G. Isupov, M. N. Khaziev, V. A. Abukimov. Nefi. khoz. no 10, 61-64 '66

Intensification of process of scouring salt deposits for petroleum products and liquefied gas reservoirs. N. K. Sidorova. Nefi. i gaz. prom. no 6, 42-44 N-D '66

Salt karst. A. I. Dzina-Litovskii. Priroda no 1, 85-88 '67

Spreading of water jets during leaching out of underground reservoirs. IU. S. Vashuta, V. I. Chernikun. Transp. i khim. nefti i nefteprod. no 11, 18-23 '66

## SALT DOMES see subdivision under Dnieper-Donets Lowland

## SALT FISH see Fish, Salt

## SALT MINES AND MINING

(see also subdivision under Nakhichevan A. S. S. R.)

Concerning the book by N. G. Trupak "Methods of controlling water in potash and salt mines." E. L. Shishov and others. Ugol. Ukr. no 6, 1244-45 '62

## SALTING-OUT

Purification of chymotrypsinogen by fractionated salting-out with the use of rheologic control. N. Ershovskaya, N. Chamin, Mias. ind. SSSR no 1, 34-36 '67

## SALTPETER

Influence of the specific surface of saltpeter upon explosive properties of igniters. V. A. Usachev. Vopr. delo no 6, 171-172 '66

## SALTS

(see also subdivision under Soligorsk)

Corrosion of iron in fused alkali and alkali earth chlorides and carbonates. V. P. Kochergin and others. Zhur. prikl. khim. no 6, 1258-1268 '66

Surface tension of fused salt solutions in the systems NaCl—CaCl<sub>2</sub> and NaCl—CaCl<sub>2</sub>—BaCl<sub>2</sub>. M. F. Lantrav. Zhur. prikl. khim. no 6, 1249-1257 '66

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## SCAD DISEASE IN SHEEP

**Cherkashin, E. S.** [Modern means and methods for controlling scab disease in sheep] Sovremennyye sredstva i metody bor'by s cheotkami ovts. Moskva, Kolos, 1968, 199 p. (Biblioteka prakticheskogo veterinarnogo vracha) (DNA L)

**SCALDS** see Burns and scalds

**SCALE INSECTS** see subdivision under Gissen Range

## SCALES (FISHES)

Variation in relationship between body and scale growth in bream, roach and pike perch in various reservoirs. L. F. Shentakova. Trudy Inst. biol. vnutr. vod., no. 10, 163-181 '66.

Variation in relationship between body and scale growth in local fish populations. L. F. Shentakova. Trudy Inst. biol. vnutr. vod., no. 10, 175-181 '66.

## SCALP—DISEASES

Mycology for dermatological collagen in mycoses of the scalp. A. G. Suntsov. Med. rad. i no. 10, 25-27 O '62

## SCALPING

Skulls covered with loess in neolithic of the Bronze Age. I. V. Klein. Sov. etn. no. 2:105-109 Mi-Apr '61.

## SCANDINAVIA—CITY PLANNING

Consideration of natural factors in the construction of residential houses in the Scandinavian countries, travel impressions. T. V. Zvonkova. Vest. Mosk. un. Ser. 5: Geog. 16 no. 1:21-24 Ja-I '61

## SCANDINAVIA—PHYSICAL GEOGRAPHY

Through Scandinavia: excursion of the participants of the 19th International Geographical Congress. E. N. Iukhovich. Vest. Mosk. un. Ser. 5: Geog. 16 no. 1: 61-65 Ja-I '61.

## SCANDINAVIA—SHIPBUILDING

Sailing the history of shipbuilding in Denmark, Sweden, and Norway. A. B. Kitarenko. Sov. etn. no. 6:17-29 N-D '66.

## SCANDINAVIAN LANGUAGES—PHONOLOGY

Stebila-Kamenaki, M. I. [Sketches on the diachronic phonology of Scandinavian languages] Ocherki po diachronicheskoi fonologii skandinavskikhazykov. [Leningrad] Izd-vo Leningr. univ., 1966, 145 p.

## SCANDINAVIAN STUDIES—CONGRESSES

At the conference of Soviet scholars on Scandinavia. V. Panchenko. Nuch. dokl. vuz. shkoly, ekon. nauki 10 no. 1:95-100 '67.

## SCANDIUM COMPOUNDS

Stability of citrate and oxalate complexes of scandium. V. N. Kurnak, N. A. Skurik, V. V. Sechenovskiy. Trudy TGU 195:120-131 '65.

Stability of scandium complexes with acetate, lactate, and malate ions. V. A. Kuleva, V. N. Kurnak, V. V. Sechenovskiy. Trudy TGU 195:141-145 '65.

## SCATTERING (PHYSICS)

Angular distribution and transport cross sections. V. A. Bulov, V. M. Dubner. Teplofiz. vuz. temp. 4 no. 6: 472-473 N-D '66.

**Bar, A. I., A. D. Zel'dovich, and A. M. Perelman.** [Scattering, reflections, and decays in nonrelativistic quantum mechanics] Rasseyaniye, refleksiya i razpad v atzheativisticheskoi kvantovoi mekhanike. Moskva, Nauka, 1966, 330 p.

Detection of stable and metastable bound states in the representation of interaction. V. A. Olsheinsk. Vest. Mosk. un. Ser. 3: Fiz.-mat. nat. 21 no. 6:19-24 N-D '66.

Determination of high-energy asymptotic behavior of the scattering amplitudes of quantum mechanical particles by energy-dependent potentials. V. I. Mal'chenko. Ukr. nat. zhur. 10 no. 1:102-108 '67.

[Effective moments of inertia of heavy nuclei at the saddle point] Effektivnye momenty inertsii tlazheolykh iador v sedlovoy tochke [By] S. A. Karaman i dr. Dubna, 1967, 30 p.

**Logunov, A. A., and M. A. Mostvirskiy.** [Small-angle scattering and a lower bound for the decreasing amplitude at large angles] Nizheolozhna na malyye ugly i nizheolozhna granitsa ubyvaniya amplitudy v oblasti bol'shikh uglov. Dubna, 1967, 10 p.

Statistical scattering and Orear formula. I. N. Stekhan, F. I. Feinberg, D. S. Chernavskiy. Fiz. i ted. zhur. ekaper. i teoret. fiz. 4 no. 10:434-438 N '66.

Theory of the effect of transfer in crystals with pores. Fluktuatsii i fononnoe razseyaniye na porakh. B. N. Ivanov. Teplofiz. vuz. temp. 4 no. 1:875-877 N-D '66.

**Volkov, M. K.** [Four-dimensional unitary relativistic models in quantum field theory without divergences] Chetyrekhrazmernaya unitarnaya relativistskaya model' kvantovoi teorii polya bez razkhodimostei. Dubna, 1967, 17 p.

## SCHEDULING (MANAGEMENT)

Problem of the scheduling theory. V. A. Perepelitsa. Kibernetika no. 9:76-78 S-O '66.

Problems of standardization in systems of network planning and management. B. A. Shutov. Stand. i uch. 30 no. 11:66-68 N '66.

**Serova, Z. I.** [Collection of examples on planning, verification, and calculation of network models] Sbornik primerov po postroeniyu, proverke i raschetu setevykh modelei. Moskva, Ekonomika, No. 4, 1968, 50 p. (Kursy po obucheniyu rukovodivshchikh rabotnikov metodam setevogo planirovaniya i upravleniya)

**SCHIEFFLER** see subdivision under Vietnam, North

## SCHIFF BASES

Catalytic condensation of Schiff base with aliphatic ketones. O. K. Koz'minykh, S. A. Chumakov, I. A. Shur. Uch. zap. Perm. ped. inst. 32 44-49 '65.

## SCHIFF REACTION

Synthesis of butadiene derivatives. N. S. Kozlov, A. I. Kiylova. Uch. zap. Perm. ped. inst. 32 57-61 '65.

## SCHIZOPHRENIA

Characteristics of allergic reactivity of the skin in schizophrenia. I. A. Il'mskiy. Zhur. nevr. i psikh. 62 no. 11:1701-1706 '62.

Characteristics of the pathology of nerve cells in the cerebral cortex in schizophrenia. V. S. Tsvet'ko. Zhur. nevr. i psikh. 62 no. 11:1712-1722 '62.

Clinical aspects, pathogenesis, and treatment of late schizophrenia and other psychoses in the period of evolution, hormonal disorders in psychoses in the period of involution. S. O. Zhislin and others. Trudy Gos. nauch.-issl. inst. psikh. 26:23-36 '61.

Clinical aspects, pathophysiology, etiology and treatment of schizophrenia. A. A. Pchel'man. Trudy Gos. nauch.-issl. inst. psikh. 26 7-15 '61.

Combined therapy with insulin shocks and prolonged sleep in schizophrenia. M. P. Chernukhina and others. Trudy Gos. nauch.-issl. inst. psikh. 26 97-103 '61.

Comparative analysis of defective states in schizophrenia and psychoses of rheumatic etiology. M. I. Poleva. Trudy GIDUV no. 4:87-99 '62.

Correlation of conditionally conditioned and conditionally unconditioned reactions in manic-depressive psychoses (during the depressive phase) and in schizophrenia with a depressive syndrome. P. G. Smetanikov. Trudy GIDUV no. 4:195-204 '62.

Correlation of motor and vegetative unconditioned reactions in manic-depressive psychoses (during the depressive phase) and in schizophrenia with a depressive syndrome. P. G. Smetanikov. Trudy GIDUV no. 1:188-194 '62.

Differentiation between schizophrenia and late traumatic psychoses with schizophreniform symptoms. E. N. Markova. Trudy GIDUV no. 4:113-131 '62.

Disorders of sensory synthesis in schizophrenia. T. K. Kashkarova. Trudy GIDUV no. 1:20-48 '62.

Disorders of thinking and speech in schizophrenia and their pathophysiological basis. K. I. Koshekareva. Trudy Gos. nauch.-issl. inst. psikh. 26:45-56 '61.

Fairy neurotic manifestations of schizophrenia. M. N. Galsina. Trudy GIDUV no. 4:102-112 '62.

Effect of amphetamine and seipastil on the vegetative nervous system in schizophrenics. R. F. Kokanava. Trudy Gos. nauch.-issl. inst. psikh. 26:137-140 '61.

Effect of amphetamine on vascular reactions in schizophrenia. I. T. Viktorov. Trudy GIDUV no. 4:227-233 '62.

Effect of carbacholine on the higher nervous activity in manic-depressive psychoses during the depressive phase and in schizophrenia with a depressive syndrome. P. G. Smetanikov. Trudy GIDUV no. 4:205-216 '62.

Electroconvulsive therapy in schizophrenia according to materials of the Tomsk Psychoneurological Hospital. S. I. Lulov. Trudy Gos. nauch.-issl. inst. psikh. 26:104-113 '61.

Immunological reactivity of the body in schizophrenia and oligophrenia. N. V. Vasil'ev, B. N. Shmidt. Trudy Gos. nauch.-issl. inst. psikh. 26:63-72 '61.

Insulin therapy in schizophrenia in the wards for unruly patients of the Tomsk Psychoneurological Hospital. I. I. Zhurko and others. Trudy Gos. nauch.-issl. inst. psikh. 26:77-79 '61.

Insulin treatment of schizophrenia with a chronic unfavorable course. L. D. Shepova, M. G. Pakhomova. Trudy Gos. nauch.-issl. inst. psikh. 26:80-82 '61.

"Limits" of active therapeutic intervention in schizophrenia. A. L. Gamburg. Trudy Gos. nauch.-issl. inst. psikh. 26:114-121 '61.

Materials on insulin therapy from the reception departments of the Tomsk Psychoneurological Hospital. E. G. Garganeva and others. Trudy Gos. nauch.-issl. inst. psikh. 26:73-76 '61.

Methodology of the diagnosis of schizophrenia and infectious psychoses. B. A. Pervomaiskiy. Trudy GIDUV no. 4:100-101 '62.

Pathophysiological characteristics of the forms and stages of schizophrenia. N. A. Mikhailova. Trudy GIDUV no. 4:16-28 '62.

Pentamidine treatment of some hypochondriac states in schizophrenia. M. S. Zeleva. Trudy Gos. nauch.-issl. inst. psikh. 26:128-136 '61.

Problems of treatment and work ability of schizophrenics with cranio-cerebral traumas in their anamnesis. A. G. Ambrumova. Trudy Gos. nauch.-issl. inst. psikh. 26: 121-127 '61.

Relation of the motility of cortical processes under normal conditions and in schizophrenia patients. N. G. Mitrokhov, I. U. S. Nikolaev. Zhur. nevr. i psikh. 62 no. 11:1696-1700 '62.

Relationship between psychogenesis and schizophrenia. L. L. Rokhlin. Trudy Gos. nauch.-issl. inst. psikh. 26 18-22 '61.

**Romanenko, V. A.** [Hypertoxic schizophrenia; clinical and morphological studies] Giperotoksicheskaya shizofreniya, kliniko-morfologicheskie issledovaniya. Moskva, Meditsina, 1967, 238 p. (DNILM)

S. S. Korsakov's amentia and current viewpoint as to the nature of schizophrenia. L. F. Sluchevskiy. Trudy GIDUV no. 4:6-11 '62.

Some basic principles of the treatment of schizophrenia. I. G. Ravkin. Trudy Gos. nauch.-issl. inst. psikh. 26 37-44 '61.

Some data for the comparative evaluation of the results of treating schizophrenia with insulin and aminazine. Trudy Gos. nauch.-issl. inst. psikh. 26 83-86 '61.

Study of the reactivity of the body in schizophrenia (acute leucocytic reaction). V. I. Zapuskalov. Trudy Gos. nauch.-issl. inst. psikh. 26 57-62 '61.

## SCHLEMAN, HEINRICH, 1822-1890

Enthusiasm, selfishness, and dilettantism. T. Fedorov. Nov. mir. 42 no. 7:273-277 Ji '66.

## SCHOLARS

**Ulanovskiy, V. A.** [Formation of the scientific intelligentsia in the U.S.S.R., 1917-1937] Formirovaniye nauchnoi intelligentsii v SSSR 1917-1937 gg. Moskva, Nauka, 1966, 213 p.

## SCHOLARS, AZERBAIJANI

Abdurrazakbek Dumdull, an outstanding Azerbaijani scholar. A. A. Kuliev. Izv. AN Azerb. SSR, Ser. 1, filol. i prava no. 3:100-108 '66.

## SCHOOL DISCIPLINE

Measures for tightening the school discipline introduced by the Russian Government in the second quarter of the 19th century. I. U. S. Kimov. Uch. zap. Kab.-Balk. gos. un. 27 44-53 '65.

## SCHOOL EXCURSIONS

Displaying the material gathered during excursion. L. P. Shestak. Nach. shkola 33 no. 2:40 F '67.

Raising the effectivity of student excursions. L. I. Gentsler. Shkola i proizv. 10 no. 12:80-85 D '66.

## SCHOOL HYGIENE

Protection of the schoolchildren's health. A. Mikhailov. Naobr. no. 1:62 Ja '67.

## SCHOOL MANAGEMENT AND ORGANIZATION

(see also subdivision under Krasnoyarsk Territory) Let us be more businesslike and responsible. Naobr. no. 2:2-7 F '67.

Not only for verification. N. P. Borodavko. Vech. shkol. shkola 9 no. 5:24-27 S-O '66.

## SCHOOL SHOPS

Teaching the adolescents to organize their work in a proper way. I. U. S. Gilyuk. Shkola i proizv. 10 no. 12 13-17 D '66.

## SCHOOL SHOPS—EQUIPMENT AND SUPPLIES

A clip for the holding of visual aids. V. A. Gmylov. Shkola i proizv. 10 no. 10:52 O '66.

Design of work benches and the requirements for a school work bench. A. E. Trutovskiy. Shkola i proizv. 10 no. 10:42-46 O '66.

A device for the making of holes. A. M. Mitrofanov. Shkola i proizv. 10 no. 10:47-48 O '66.

A machine for tool sharpening. S. E. Kokeiev. Shkola i proizv. 10 no. 10:54-58 O '66.

Material and technical basis of school workshops. A. I. Solunov. Shkola i proizv. 10 no. 10:15-18 O '66.

A table for operating a jig-saw. I. E. Cherniad'ev. Shkola i proizv. 10 no. 10:49 O '66.

## SCHOOL SUPERINTENDENTS AND PRINCIPALS

A difficult and unprofitable position. V. Kondrashov. Naobr. no. 1:60-63 Ja '67.

## SCHOOL SUPERVISION

**Berezniak, I. E.** [Problems in the supervision of the work of schools and teachers] Pytaniya inspektirovaniya raboty shkoly i vychitelia. Kyiv, Radnaya shkola, 1964, 270 p. (NN)

**SCHOOLHOUSES—DESIGN AND CONSTRUCTION** see subdivision under Kakhin, Leningrad, Moscow

## SCHOOLS—FURNITURE, EQUIPMENT, ETC.

How we equipped a study room of history and social sciences. I. U. S. Sergiyevskiy. Sred. shkola, obr. 13 no. 7:36-38 Ji '66.

## SCHOOLS, SYRIAN

Medieval schools of Syria. N. V. Figulevskaya. Palest. shkol. no. 15:130-140 '66.

## SCIENCE

Develop the creative initiative of the scientific and technological community. M. V. Pashkov. *Poizn. protzv.* no. 1-7-8 Ja '63.

## SCIENCE—BIBLIOGRAPHY see Bibliography—Science

## SCIENCE—METHODOLOGY

Dialectics of the comparative method in natural sciences. L. I. Ivashevskii. *Trudy Irk. un.* 38 no. 4 43-63 '65.

The role of experiments in the formation of scientific hypotheses. I. V. Ryndin. *Vest. LGU* 21 no. 23 80-84 '66.

Troshin, D. M. [Methodological problems of modern science] *Metodologicheskie problemy sovremennoi nauki*. Moskva, Vysshaya shkola, 1966. 174 p.

## SCIENCE—SOCIAL ASPECTS

The functions of science as a direct productive force of society. N. I. Babenko. *Trudy Irk. inst. nar. khoz.* no. 1 266-274 '66.

"Futureology." G. Todorichev. *Nov. vrem.* 25 no. 10 31-32 Mr '67.

## SCIENCE AND CIVILIZATION

Philosophy of a technical era. M. T. Ovsakaia. *Nov. mir* 38 no. 12 242-251 D '62.

## SCIENTIFIC APPARATUS AND INSTRUMENTS see subdivision under Riga; Ukraine

## SCIENTIFIC SOCIETIES

Centennial of scientific and technical societies. N. V. Iakusheva, I. L. Cherniak. *Neft. khoz.* 44 no. 11 60-63 N '66.

Centennial of scientific and technical societies in U.S.S.R. *Azerb. naft. khoz.* 45 no. 11-14 N '66.

## SCIENTISTS

Scientists and technologists. *Shkola i protzv.* 10 no. 10 94 O '66.

Ulanovskaya, V. A. [Formation of the scientific intelligentsia in the U.S.S.R., 1917-1937] *Formirovanie nauchnoi intelligentsii v SSSR 1917-1937 gg.* Moskva, Nauka, 1966. 213 p.

## SCIENTISTS—BIOGRAPHY

Scientists and technologists. *Shkola i protzv.* 10 no. 12, 87-89 D '66.

## SCINTILLATION (PHYSICS)

Density of luminous energy. I. U. A. T. Sirlin, L. E. Pargamanik, A. R. Daich. *Opt. i spektr.* 21 no. 5 643-644 N '66.

Temperature dependences of  $\alpha$ - and  $\gamma$ -scintillation yield for CsI(Tl), CsI(In), NaI(Tl), and LiI(Eu) crystals. L. E. Grudskaya and others. *Zhur. prikl. spekt.* 5 no. 5 655-659 N '66.

## SCINTILLATION COUNTERS

Calculating optimal dimensions of scintillating crystals. A. M. Kul'chuzhkin, V. V. Uchaikin, V. V. Ryzhov. *Defektoskopia* 2 no. 6 64-66 '66.

Gamma-ray scintillation chamber with the GJ (Rb) representing crystal. I. S. Osipov, A. M. Ovchinnikov, L. M. Shcherbakov. *Izv. AN Arm. SSR, Ser. tekhn. nauk* 19 no. 6 34-41 '66.

Polystyrene scintillators for beta counting with POPOP as a luminescent additive. I. F. Zubareva. *Biol. nauch.-tekh. inform. po agron. fiz.* no. 8/9 55-58 '60.

Scintillation transducer with 2% resolution for 6 Mev protons. T. N. Mikhailova, D. L. Chuprunov. *Vest. Mosk. un. Ser. fiz.-mat. nauk* 21 no. 5 53-56 N '66.

## SCREENS (MINING)—DYNAMICS

Dynamic coefficient of resonance screens depending on vibration frequency and size of gaps between buffer supports. V. K. Presninkov, A. M. Avdeev. *Izv. vys. ucheb. zav., gor. zhut.* 8 no. 10 96-100 '65.

## SCREW CUTTING

Mechanization of screw thread cutting. A. Babadzhanyan. *Prom. Aizn.* 9 no. 11 69 '66.

## SCREW CUTTING—STANDARDS

Russia (U.S.S.R.) Gosudarstvennyi komitet standartov, mei i izmeritel'nykh priborov. [Finishing laps for cutting metric threads in circular dies, allowances and working dimensions for the threads] *Metchiki chistovye dlia narezaniia metriceskoi razby v kruglykh plashchakh, dopuski i ispolnitel'nye razmery na 1 ez'bu.* MN 5359-64, MN 5360-64. Moskva, Izd-vo Standartov, 1964. 15 p. (SSSR. Normall mashinostroeniia)

## SCREW THREAD ROLLING

Tool for the formation of internal large-diameter threads by the method of plastic shaping. S. I. Zhitnitskii, I. M. Natapov. *Stan i mistr.* 37 no. 12 30 D '66.

## SCREW THREADS

New method for dividing multiple threads. I. U. A. Vinogradov. *Mashinostroitel'* no. 1 19 Ja '67.

## SCREWDRIVERS

Problem of the precision in tightening screw threads with sectional tools. I. L. Blaer. *Avt. prom.* 31 no. 1 38-40 Ja '67.

## SCREWS

Self-stopping threads. I. I. Pitta. *Mashinostroitel'* no. 1 6 Ja '67.

## SCRUBBER (CHEMICAL TECHNOLOGY)

Scrubber with invariable packing. V. I. Kostuk, A. N. Krukovskaya. *Gaz. prom.* 11 no. 12 50-51 '66.

Testing a scrubber model with varying cross section. N. D. Khirin, R. P. Lozinskiy, N. V. Pestik. *Toploenergetika* 7 no. 8 38-41 Ag '60.

## SCULPTORS, MORDVINIAN

A rare talent. V. I. Borisov. *Sov. arkh.* no. 5 105 '66.

## SCULPTURE

Plastic images of Yuri Chernov. I. Kuplov. *Izvestiya* 29 no. 12 24-26 '66.

## SCULPTURE, DALKAR

Singing stones. Aleksandra Pistunova. *Mol. komm.* no. 4 106-108 '66.

## SCYTHIAN ANTIQUITIES

Gosudarstvennyi Ermitazh. [Treasures of Scythian kurgans in the collection of the State Hermitage] *Sokrovischa skifskikh kurganov v sobranii Gosudarstvennogo Ermitazha*. Tekst M. I. Aramonova, Prague, Aitlia [1960] 120 p., illus.

## SEA BATHS see Baths, Sea

SEA ICE see subdivision under Balleny Islands, Mirny Station, Antarctica; Wilkes Station, Antarctica, see also subdivision 'Ice' under Caspian Sea; Laptev Sea

## TEL

see subdivision under Caspian Sea)

level of earth's water bodies. Report No. 2, K. K. Markov, I. A. Suetova. *Okeanologiya* 1 '66.

## TELOGY

Ision under Romashkino Oil Field)

of sealing element of packer when in test. G. D. Sukhodosov. *Neft* 23-24 D '66.

cal. T. I. Minchenko. *Mash. i zhil. prom.* '66.

sacks containing liquid. N. M. Lavrov. *prom. za 1961 g.* 67-68.

on of annular sealing slots. V. L. mashinost, 47 no. 1-27-30 Ja '67.

in the use of nickel-free ceramic for turbogenerator sealing. V. N. L. Moldavskii. *Porosh. met.* 6 '66.

materials for separators. S. V. Genol', A. V. Novikov. *Plast. massy* no. 1 72 '67.

sealing of threaded joints of casing. *Mash. i zhil. prom.* no. 11 27-28 '66.

encing the strength of rubber sealing aulic drive. D. B. Dobushkin and rez. 26 no. 1 36-40 '67.

sealing collars of rods in petroleum alves. M. D. Sokov. *Neft. khoz.* 44 '66.

chine for cans of various shapes. I. M. tobr. v ryb. prom. za 1961 g. 66-72.

## SEALS (ANIMALS)

Some data on serological analysis of *Paraphilus greenlandicus* Erxleben stock. V. I. Borisov. *Zool. zhur.* 44 no. 12 1890-1892 '66.

Studying the filariae, parasites of fur seals. S. I. Dellamuri, S. Z. Dubovyi, A. S. Skifskii. *Izv. Kizim. old. Grog. ob-shch.* no. 6 199-200 '61.

## SEALS (ANIMALS)—PARASITES see Parasites—Seals (Animals)

## SEAMANS—COLD WEATHER CONDITIONS

Wreck of the medium-size fishing trawler "Bokstogorsk" under conditions of heavy icing. I. U. Nachiev. *Mor. flot* 27 no. 1 25-27 Ja '67.

## SEAMEN—DISEASES AND HYGIENE

Morbidity, prevention and antirheumatic treatment of rheumatic fever in the northwestern waterway basin. I. A. G. Sovetnyi, O. V. Vinogradukii. *Sov. med.* 29 no. 10 74 '66.

## SEASONAL VARIATIONS (DISEASES)

Cause of seasonal variations of the relative number of bacteriologically confirmed cases of dysentery. G. N. Ralkhshat, Zhur. mikrobiol., epid. i immun. 11 no. 1 70-74 Ja '67.

## SEAWATER—OPTICAL PROPERTIES

Determining hydro-optical characteristics on basis of measuring coefficients of spectral brightness of sea from airplane. I. V. Semenchenko. *Okeanologiya* 6 no. 6 1073-1080 '66.

## SEAWATER, DISTILLATION OF

Water consumption norms and choice of the capacity of distillers on fishing boats. G. I. A. Lukin. *Sudost. i ent.* 56 no. 12 11-16 D '66.

## SEAWATER, DISTILLATION OF—EQUIPMENT AND SUPPLIES

Thermal calculation of flash evaporators for desalination of seawater. M. B. Valubai, S. I. Golub, V. R. Chislov. *Vod. i ust. tekhn.* no. 11-12 N '66.

## SEBRYAKOV (VOLGOGRAD PROVINCE)—CEMENT INDUSTRIES

With the name number of workers the production doubled. Petr. Morozov. *Na stol. Ros.* 1 no. 8 1 Ag '63.

## SECONDARY EDUCATION see Education, Secondary

## SECONDARY RECOVERY OF GAS

Geological factors affecting results of formation treatment in gas recovery stimulation. I. A. Koponov, V. G. Khel'vint. *Gaz. delo* no. 12 3-5 '66.

## SECONDARY RECOVERY OF OIL

(see also subdivision under Sovernyi Oil Field)

Development problems of condensate oil fields. I. U. V. Zhel'tev, V. N. Marton. *Neft. khoz.* 44 no. 12 32-34 D '66.

## SECRET POLICE

The Great October Socialist Revolution and the struggle against the terrorist acts of the White Guard. G. Arslanov. *Sots. zakon*, no. 2 15 F '67.

## SECRETION

Comparative evaluation of the secretory and absorbing functions of small intestine loops isolated by means of different methods. I. U. V. Kononov. *Fiziol. zhut.* 52 no. 12 1463-1470 D '66.

Role of compensatory processes in the regulation of secretory activity of a denervated mammary gland in goats. G. B. Yevskov. *Fiziol. zhut.* 52 no. 11 1360-1373 N '66.

## SECTS

Inhumane characteristics of the sectarian preaching "Love thy neighbor." A. K. Bychkov. *Pyt. atez* no. 1 82-89 '66.

Kaushanskii, P. I. [Ideology and activity of Christian sects] *Ideologiya i deiatel'nost' khristianskikh sekt*, [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1965. 197 p. (InU)

Natasha's fate. L. Chermenskii. *Sots. zakon*, 30 no. 7. 61-65 Ji '61.

## SEDATIVES

Evaluation of the sedative effect of promedation. V. A. Golovinskiy, A. D. Chasovnikov. *Sov. med.* 30 no. 1 108-110 Ja '67.

## SEDIMENTATION AND DEPOSITION

(see also subdivision under Azerbaijan)

Intensity of the siltation of ponds in the Northern Caucasus. M. I. A. Prytkova. *Gid. i met.* 10 no. 1 46-51 Ja '67.

Purifying neutralized hydrolyzates of suspended substances by the method of continuous settling. I. I. Korol'kov, Z. A. Timganova, G. D. Paramonova. *Fiz. i khim. zhut.* 14 28-35 '60.

Study of nonconcurrent velocities in the presence of waves. P. Volkov. *Rech. transp.* 20 no. 7 43-44 Ji '61.

Tendency of variability of entropy of granulometric fractions of terrigenous rocks and its relations to dynamics of sedimentation medium. A. I. Anisimov, E. I. Romanovskii. *Dokl. AN SSSR* 171 no. 4 860-862 D '66.

Theory of sediment motion. I. U. A. Ibad-zade, I. M. Shukhiev. *Trudy Azerb. geog. ob-shch.* 3:104-110 '66.

821



## SEMICONDUCTORS—ELECTRIC PROPERTIES (Continued)

Theory of junction transistors: coefficients in organic semiconductors. Part 2: Rectification in a weak magnetic field (approximation of high temperature). S. I. Kubarov. *Teoriya i eksperiment* 2 no. 3 538-562 5-0 '66

Values in semiconductors with negative differential resistance. A. F. Volkov. *Fiz. i tekh. telet. 8* no. 11 3187-3195 N '66.

## SEMICONDUCTORS—GALVANOMAGNETIC PROPERTIES

Studying the magnetoelectric and galvanomagnetic properties of working materials for low-temperature cooling devices. I. D. Kuznetsov, I. A. Khirich. *Ukr. fiz. zhur.* 11 no. 12 1332-1337 '66

## SEMICONDUCTORS—MAGNETIC PROPERTIES

Buildup of electromagnet oscillations in antiferromagnetic semiconductors in strong electric fields. G. A. Beglashvili. *Fiz. i tekh. telet. 8* no. 11 3288-3290 N '66.

## SEMICONDUCTORS—PIEZOELECTRIC PROPERTIES

Effect of excitons on absorption of ultrasound in piezoelectric semiconductors. A. E. Glauberman, M. A. Ruvinskii. *Fiz. i tekh. telet. 8* no. 11 3335-3338 N '66.

## SEMICONDUCTORS—SPECTRA

Photoionization of shallow impurity levels in semiconductors with phonon participation. A. A. Grinberg, N. I. Kramer. *Fiz. i tekh. telet. 8* no. 11 3350-3353 N '66.

## SEMICONDUCTORS—THERMAL PROPERTIES

Electric and heat conductivity and their temperature variations in the system GaSe-GaTe. P. G. Rustamov, M. A. Aizhanov, B. D. Babayev. *Trudy Inst. khim. AN Azerb. SSR* 20:153-180 '64

Principal experimental researches on the heat conductivity of semiconductors. A. F. Chudnovskii. *Bull. nauch. i tekhn. inform. po fiz. i tekh. 8* no. 8/9 8-26 '60.

## SEMINAL VESICLES—INNERVATION

Effect of chronic irritation of a terminal seminal nerve on parotid gland secretions. A. T. Tashenov, Sh. D. Simenov. *Trudy Inst. fiziol. AN Kazakh SSR* 10 61-87 '66

## SEMPALATINSK—CIVIL DEFENSE

There are special points in obligations. M. Funev. *Voen. znaniya* 43 no. 118-19 Ja '67

## SEMPALATINSK PROVINCE—HEREFORD CATTLE

Canadian Hereford cattle on the "Chalshab" State Breeding Farm. V. A. Sokolov, S. P. Ekibayev. *Vest sel'khoz. nauki [Kazakh.]* 10 no. 1 64-67 Ja '67.

## SEMPALATINSK PROVINCE—STATE FARMS—MANAGEMENT

Problem of the intrafarm organization of production: as exemplified by state farms in Semipalatinsk Province. P. V. Kovalev. *Vest sel'khoz. nauki [Kazakh.]* 10 no. 1 7-12 Ja '67.

## SENEGAL—DESCRIPTION AND TRAVEL

Visiting the fishermen of Senegal. Sergei Kulik. *Az. i Afr. seg.* 10 no. 1 32-35 Ja '67

## SENEGAL—FISHERMEN

Visiting the fishermen of Senegal. Sergei Kulik. *Az. i Afr. seg.* 10 no. 1 32-35 Ja '67

## SENILE PSYCHOSE

Clinical aspects of Alzheimer's disease. N. B. Ugol. *[Trudy] GIDUV* no. 4:237-265 '62

Study of the estrogens in the urine of patients with presenile psychoses. T. N. Nedbalova. *Zhur. nevrol. i psikh.* 62 no. 11 1707-1711 '62

## SENSES AND SENSATION

Effect of the climate of Chukhuryud on pain, tactile and temperature reception. A. I. Gashimova and others. *Shor. trud. i zerb. nauch.-issl. inst. kur. i fiz. metod. lech.* no. 6 76-89 '62

Electrophysiological study of the activity of skin and motor analysors and the effect of acceleration. E. V. Marukhaman and others. *Zhur. vys. nerv. deiat.* 12 no. 6 1021-1028 N-D '62

Interaction of analysors during flight in airplanes and spaceships. V. V. Baranovskii, M. D. Emel'yanov, A. G. Kuznetsov. *Zhur. vys. nerv. deiat.* 12 no. 6 1001-1010 N-D '62

## SENTENCES (CRIMINAL PROCEDURE)

Procedure in the solution of problems arising during the execution of court sentences. P. Lupinskaya, I. Speranskii. *Sots. zakon* no. 2 36-38 F '67.

## SEPARATION (TECHNOLOGY)

Intensified method of extracting thorium and rare earths from monazite by alkali treatment. G. A. Meerson, Li Man Hek [Yi Man-hyok]. *Izv. AN SSSR, Met.* no. 1142-48 Ja-F '67

## SEPARATION OF POWERS

Division of powers or the division of work? IU. A. Tikhomurov. *Sov. gos. i pravo* no. 1:14-22 Ja '67.

## SEPARATORS (MACHINES)

Centrifugal separators for the Shukhov boiler. K. P. Myrkin. *Bull. i tekh. i ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 10 no. 11 47-48 N '66

Determining optimum profile of layered separator. IU. I. Sorokin, I. N. Popchenkov, V. S. Burkat. *Khim. i neftekh. 8* no. 12 1-3 D '66

Evaluating the effectiveness of small size cyclone separators. I. I. Sidorchuk. *Shoi. i ind. Av. NII NP* no. 3 438-443 '68

Investigating industrial model hydrocyclones. K. A. Matkovskii. *Transport* 15 no. 2:110-110 F '66.

Operation of self-sorting grain separators. M. Ginzburg, I. Melnikov. *Mek. i av. prom.* 25 no. 4 17-19 Ap '60

Seals of polymer materials for separators. S. V. Gonel', L. D. Lebedeva, A. V. Novikov. *Plast. massy* no. 1:72 '67.

Use of centrifuges and hydrocyclones for the separation of a water dispersion of rubber. G. M. Zhelezovskiy and others. *Kauch. i rez.* 26 no. 1 29-32 '67

## SEPARATORS (MACHINES)—PNEUMATIC DRIVING

Testing the operation of pneumatic separators in Kopeysk Pneumatic Ore-Dressing Plant. R. P. Moskovenko. *Izv. vys. uch. zb. zav. i gos. zhur.* 10 no. 11:67-171 '67.

## SEPHADEX

Study of type F butolin by means of filtration through sephadex gel. V. I. Golshmid, I. M. Mikhailova, Zhur. mikrobiol., epid. i immun. 44 no. 1 46-49 Ja '67.

## SEPTORIA see subdivision under Armenia

## SEQUENCES (MATHEMATICS)

Approximations of ergodic dynamic systems by periodic transformations. A. B. Katok, A. M. Stepih. *Dokl. AN SSSR* 171 no. 6:1268-1271 D '66.

Continuous convergence in closed sequence nucleus of class BLK mappings of plane regions onto Jordan regions. G. D. Suvorov. *Trudy TGU* 175:23-28 '61

Elementary proof of fundamental lemma in theory of prime ends of sequences in regions converging to nucleus. B. P. Kafarev. *Trudy TGU* 175:3-4 '64

Overconvergence of a sequence of polynomials of best approximation. R. A. Leists. *Ukr. mat. zhur.* 15 no. 1 98-102 '67.

Probability of the recurrence of a sequence of random signals. M. L. Verzhbinskii. *Zap. LGI* 43 no. 3 59-70 '64.

Uniform convergence of sequences of plane topological mappings of class BLK. G. D. Suvorov. *Trudy TGU* 175 12-22 '64

## SEREBRIKOVA, GALINA IOSIFOVNA

Friends of my youth. Galina Serebrikoval. *Agitator* 34 no. 4:25-28 F '67

## SERIES

Expanding an n-dimensional distribution function in an Edgeworth type series. T. G. Gaidarov. *Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk* no. 4:54-61 '66.

Kaplan, I. A. [Practical studies on higher mathematics] *Prakticheskie zaniatiya po vysshej matematike*, Kharkov, Izd-vo Kharkovskogo gos. univ.

Pt. 4. [Double, triple, and curvilinear integrals, numerical, trigonometric, and power series] *Dvoynnye, troynnye i krivolinейnye integraly, chisl'noye, stepennyye i trigonometricheskie r'ady*, 1968, 235 p.

Method of redetermined series in some boundary problems of mathematical physics. Report No. 1. A. G. Vlasov. *Vop. din. teor. raspr. seim. voln* no. 3:103-463 '69.

## SERIES, ORTHOGONAL

Note on the problem of absolute summability of orthogonal series. M. F. Timan. *Dop. AN URSR* no. 12:1533-1536 '66.

## SERNOYE, LAKE (KUYBYSHEV PROVINCE)—BACTERIA, AUTOTROPHIC

Green photosynthesizing bacteria isolated from Lake Sernoye. IU. A. Trifsenko. *Mikrobiologiya* 35 no. 6: 1087-1093 N-D '66.

## SEROLOGY

Antierocyte autoantibodies in animals immunized with heterogenic sera. L. S. Lozovskaya. *Bull. eksp. biol. i med.* 63 no. 1:63-67 Ja '67

Serological characteristics of enteropathogenic *Escherichia coli* of the group O24,K01 (type 145). A. K. Baitrashevich, O. P. Mazitova, N. M. Landsman. *Zhur. mikrobiol., epid. i immun.* 44 no. 1:152-153 Ja '67.

Serological comparison of *Leptomonas* strains isolated from mosquitoes with *Leishmania tropica* and *Leptomonas* of reptiles. V. M. Safjanova. *Med. paraz. i paraz. bol.* 35 no. 6:606-609 N-D '66.

Some data on serological analysis of *Pagophilus groenlandicus* Erxleben stock. V. I. Borisov. *Zool. zhur.* 45 no. 12:1890-1892 '66

## SEROTONIN—THERAPEUTIC USE

Results of clinical testing of the effectiveness of serotonin in some diseases of the blood system. G. I. Aleksey and others. *Sov. med.* 10 no. 1:17-20 Ja '67.

## SERPENTINE see subdivision under Soviet Central Asia

## SERPENTINE, EFFECT OF TEMPERATURE ON

Interaction of iron oxides with serpentine in chromite ores under effect of heating. N. V. Fedotenko, A. M. Bolikov. *Ognepromy* 31 no. 12:21-26 D '66.

## SERPUKHOV (MOSCOW PROVINCE)—PUBLIC INSTITUTIONS—ACCOUNTING

Deficiencies hindering the work of centralized accounting offices. T. Kuznetsov. *Fin. SSR* 10 no. 12:68-71 D '66.

## SERUM

Changes in free amino acids in blood serum of growing buffaloes. K. B. Khudinov, N. M. Iudinov. *Dokl. AN Azerb. SSR* 22 no. 9:11-84 '66.

Optimal conditions for decalcification of cadaveric plasma (serum) in UZIFRUA apparatus and its clinical test. M. V. Pudel'nik and others. *Sov. med.* 29 no. 10 51-55 D '66.

Organic cultures of thymus and lymphatic nodes in a medium containing heterologous serum. F. A. Iudin, Dokl. AN SSSR 171 no. 6:1111-1113 D '66.

Vitamin E content in the blood serum in patients with scleroma. F. A. Evdoshelenko. *Zhur. zh. med. i publ. bol.* 10 no. 6:65-68 N-D '66

## SERUM DIAGNOSIS

New method of preparing agglutinating factorials. A. Sera. for the identification of Salmonella. A. S. Zuev, Zhur. mikrobiol., epid. i immun. 44 no. 1 34-38 Ja '67.

Preparation of diagnostic carbon antidysenteric sera. V. P. Ragnitskaya, A. P. Baturov, Zhur. mikrobiol., epid. i immun. 44 no. 1 151-151 Ja '67.

Serum diagnosis of feces contaminated with pathogenic fungi. G. L. P'zakov. *Dokl. TSKhA* no. 45:269-174 '66.

Stable erythrocyte diameters for detecting toxemia and diphtheria antitoxins and their antibodies. M. I. Kozlov, G. A. Fomenko, I. L. Kravtsov. *Zhur. mikrobiol., epid. i immun.* 44 no. 1 131-136 Ja '67.

## SERUM PROTEIN

Protein fractions of blood serum, haptoglobin types and hemoglobin fractions in children. T. S. L. Kartozhova, L. A. Karanavskii, N. I. Vaidanovskii. *Sov. AN (uz. i bel.)* 13 no. 3:769-776 D '66.

Study of protein fractions of blood serum in human blood species by paper electrophoresis method: utilization of this method for taxonomic purposes. B. M. Kartashov, I. A. Gol'son, S. P. Gromakova. *Zool. zhur.* 45 no. 14: 1043-1051 '66.

## SERUM THERAPY

Comparative results of the treatment of gastric and duodenal ulcers with sterilized serum "K". V. K. Anisimov, G. E. Il'enko. *Sov. med.* 28 no. 10:97-100 D '66.

## SERVICE INDUSTRIES

(see also subdivision under White Russia)

About those who create good humor. G. Tufakh. *Sov. tolg.* 40 no. 12 47-48 D '66.

The five day workweek, production, and the sphere of service. O. Pionina. *I. Prskan. Sots. i ud.* 12 no. 2: 127-133 F '67.

Network of service industries in project for rural district planning. G. Rogozhina, D. Dubink, *Aukht. SSSR* no. 1, 43-46 '67.

On the all-Union youth rally. *Sov. tolg.* 40 no. 12 1 D '66.

## SERVICE INDUSTRIES—EQUIPMENT AND SUPPLIES see subdivision under Latvia

## SERVICE INDUSTRIES—FINANCE

(see also subdivision under Orsha, White Russia) Improve the consumer service industries. A. Negomazova. *Fin. SSR* 40 no. 12:73-75 D '66.

## SERVICE INDUSTRIES—HANDBOOKS, MANUALS, ETC. see subdivision under Riga

## SERVICE INDUSTRIES—MANAGEMENT see subdivision under Kazakhstan

## SERVOMECHANISMS

Akhmetzhanov, A. A. [Angular position transmitting systems with increased accuracy] *Sistemy peredachi ugh. povyshtonnoi tochnosti*. Moskva, Energiya, 1966, 271 p.

Demonstration model of a servo system. P. I. Kharaash. *Shkola i prom.* 10 no. 10:69-72 Q '66.

Mechanical stabilization of contact between an ultrasonic transducer and the object being checked. B. V. Kashtukov. *Defektoskopiya* 2 no. 6:10-20 '66.

Servo systems with spherical coordinate converters for applications in astronomy. V. P. Fgorov. *Shor. raz. po vop. elektromekh.* no. 4:174-180 '66.

Use of revolving transformers as feedback transducers in program control systems. V. F. Gornov, A. M. Savitsnov, *Vych. tekhn. [MVTU]* no. 5:258-273 '66.

active functions of soils continuous with respect to  
I.U.I. Gil'derman Dokl AN SSSR 172 no 1:  
section, 1967.

13 Ja  
sets. V.I. Baidyshev Dokl AN Azerb SSR  
no. 9:3-5 '66

of a denumerable set of periodic motions in a  
dimensional space within the expanded neighbor-  
hood of a saddle-focus. L.P. Shil'nikov Dokl AN  
SSR 172 no 1:54-57 Ja '67

inverse theorems on uniform approximation. N.A. Lebe-  
seva Dokl AN SSSR 171 no 4:788-790 D '66

essary and sufficient conditions stipulated for a set  
in order that any continuous function analytic at the  
points of the set will admit of uniform approxi-  
mation by rational fractions. A.G. Vitushkin. Dokl AN  
SSR 171 no. 6:1258-1258 D '66.

SR 171 no. 6:1258-1258 D '66.  
SR 171 no. 6:1258-1258 D '66.  
SR 171 no. 6:1258-1258 D '66.  
SR 171 no. 6:1258-1258 D '66.

method of plotting confidential fields for two selec-  
tions from the general set. G.M. Mania. Soob AN  
Gruz. SSR 27 no. 2:137-142 Ag '61.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
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171 no 4:931-931 D '66.

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171 no 4:931-931 D '66.  
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171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
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171 no 4:931-931 D '66.  
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171 no 4:931-931 D '66.  
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171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

171 no 4:931-931 D '66.  
171 no 4:931-931 D '66.

## SEWER PIPE

Use of dehydrated clay in the manufacture of ceramic  
sewer pipe. V.I. Kuzashkevich Stroitel'mat. 7 no. 12,  
26-27 D '61.

## SEWERAGE—CLEANING

Molokov, M.V. [Machinery and equipment for cleaning  
sewerage systems, a survey] Mashiny i oborudovanie  
dlya proektsirovani kanalizatsionnykh setei; obzor. Moskva,  
NIIOinformatsii stroitel'no-kommunal'naya, 1965. 38 p.  
(Seria 3 Mashiny i oborudovanie dlya kommunal'nogo  
khoz'iaistva)

## SEWING MACHINES

(see also subdivision under Japan)  
Characteristics of the interaction of the feed dog of a  
sewing machine with the fabric and the presser foot.  
A.I. Komissarov, I.V. Lopandin. Izv. vys. ucheb. zav.,  
tekhn. leg. prom. no. 6:105-111 '66.  
Industrial sewing machines. N. Raduk. Prom. Bol. 10  
no 2:35 F '67.

## SEWING MACHINES—ELECTRIC DRIVING

Characteristics of the interaction of the feed dog of a  
sewing machine with the fabric and the presser foot.  
A.I. Komissarov, I.V. Lopandin. Izv. vys. ucheb. zav.,  
tekhn. leg. prom. no. 6:105-111 '66.

## SEX (BIOLOGY)

Relationship between hypothalamus-hypophysis system and  
sex cycle. N.Z. Maisuradze. Soob. AN Gruz. SSR 14  
no. 3:191-196 D '66.

## SEX HORMONES see Hormones, Sex

## SEX INSTRUCTION

Jackiewicz, Elzbieta. [What every girl desires to know.  
Translated from Polish] O chem kochet znat' kazhdai  
devushka. Moskva, Meditsina, 1965. 30 p. (Nauchno-  
popul'naya meditsinskaya literatura)  
(DNLM)

## SHABAD, LEON MANUSOVICH, 1902-

30th anniversary of Soviet oncology. Voprosy. 13 no. 1:  
3 '67.

## SHAFT SINKING

(see also subdivision under Donets Basin; Krivoy  
Rog Basin)  
Experience in sinking mine shafts in water-saturated  
sand. N.F. Karasov. Transp. stroit. 10 no. 4:14-16  
Ap '66.

Improve shaft deepening in developing new levels. A.M.  
Naidyskiy, I.G. Verkhilov. Shakht. stroit. 10 no. 12:1-3  
D '66.

Mining an inclined shaft in water-bearing clays having  
the properties of quicksand. V.F. Bugaenko. Ugol'  
Ukr. 6 no. 12:25 D '62.

Sinking shafts with lowering water levels in building  
tunnels. G.N. Khristonenko. Transp. stroit. 10 no. 3:  
48-49 M '66.

Studying advantages of carrying out parallel operations of  
shaft sinking and shaft bottom working. V.V. Pokotil,  
A.I. Sotakli, V.L. Snikhovskiy. Izv. vys. ucheb. zav.,  
gor. zhut. 10 no. 1:31-40 '67.

## SHAFING

Study of torsional vibrations of the shaft of a ship's power  
plant. A.K. Ushakov. Inform. sbor. TSNIIMF no. 163.  
Tekhn. ekol. mor. flota no. 45:65-87 '66

## SHAFTING—VIBRATION

General solution of a system of differential equations  
describing natural lateral vibrations of a perfectly  
balanced shaft. D.S. Borisov. Mashinovedenie no. 1:  
77-78 Ja-F '67.

## SHAKESPEARE, WILLIAM, 1564-1616

Alekseev, M.P. [Shakespeare and Russian culture]  
Shakespeare i russkaya kul'tura. Pod red. M.P. Alekseeva.  
Moskva, Nauka, 1965. 699 p., illus.  
(PSC)

## SHAPIRO, ABRAM BORISOVICH, 1890-1966

Abram Borisovich Shapiro; obituary. A.S. Popov. Izv.  
AN SSSR, Ser. lit. i izn. 25 no. 6:561-562 N-D '66.

## SHAPOSHIKOV, BORIS MIKHAILOVICH, 1882-1945

In the Warsaw Military District. B. Shaposhnikov.  
Voenn. ist. zhur. 9 no. 1:75-88 Ja '67.

## SHAUMIAN, VAGHAK ARUTUNOVICH, 1899-1966

In memory of V.A. Shaumian. Vest. sel'khoz. nauki 11  
no. 11:53 '66.

## SHCHEPKIN, MIKHAIL SEMENOVICH, 1788-1803

Grits, T.S. [M.S. Shchepkin, a chronicle of his life and  
work] M.S. Shchepkin, letopis' zhizni i tvorchestva.  
[Moskva, Nauka] 1966. 370 p.

## SHEAR (MECHANICS)

Calculating for shear force of slabs of short cylindrical  
precast and cast-in-situ shells. A. Liberman,  
E. Stokichenko, M. Iankovitch. Prom. stroit. i inzh.  
sbor. 8 no. 6:17-18 N-D '66.

Nonsteady propagation of a crack due to longitudinal shear.  
B.V. Kostov. Prikl. mat. i mekh. 30 no. 6:1042-1049  
N-D '66.

## SHEARS (MACHINE TOOLS)

Uncoordination of speed in cutting on flying shears.  
M.M. Rudakov. Izv. vys. ucheb. zav., Chern. met. 10  
no 1:195-199 '67

SHEEP see subdivision under Irkutsk Province;  
Tajikistan; Tomsk Province

## SHEEP—DISEASES AND PESTS

(see also subdivision under Buryat A.S.S.R.)

Modification of angiotomy in sheep. K.T. Tashenov,  
L.V. Gorkhova. Trudy Inst. fiziol. AN Kazakh SSR  
10:210-212 '66

## SHEEP—FEEDING AND FEEDS

(see also subdivision under Tajikistan)

Effect of complex supplementary feeding with micro-  
elements on secretory activity of parotid gland in sheep.  
M.A. Rozybakiev. Trudy Inst. fiziol. AN Kazakh SSR  
10:106-100 '66

Effect of mineral additions to rations on the exchange of  
calcium and inorganic phosphorus between the blood  
and the wall of the gastrointestinal canal in sheep. P.S.  
Amomenka. Vest. AN BSSR, Ser. sel'khoz. nauki no. 4:  
71-77 '66.

Effectiveness of various cobalt preparations in sheep  
husbandry. A.F. Pen'kova. Vest. sel'khoz. nauki 11  
no. 11:60-71 '66.

Jaanma, K., and H. Kees. [Fattening of sheep] Lammaste  
nuumamine, Tallinn, Eesti NSV Poliitajanduse  
Ministeeriumi Teaduslik-Tehnilise Informatsiooni  
Buroo, 1966. 40 p. [In Estonian]  
(DNAI)

SHEEP—MARKING see subdivision under Kazakhstan

SHEEP—PARASITES see Parasites—Sheep

## SHEEP—PHYSIOLOGY

Age-related characteristics of secretion and enzymatic  
activity of mixed pancreatic and liver juice in sheep.  
A.V. Prokudin, K.T. Tashenov. Trudy Inst. fiziol. AN  
Kazakh SSR 10:63-70 '66.

Carbohydrate absorption by small intestines of sheep  
as related to their age. Kazhen Tashenov. Trudy Inst.  
fiziol. AN Kazakh SSR 10:110-113 '66

Cellulose decomposition in sheep rumen as related to  
physiological conditions. V.A. Moiseev. Trudy Inst.  
fiziol. AN Kazakh SSR 10:13-16 '65.

Content of protein and interrelation of protein fractions  
in the blood serum of sheep in connection with their  
wool yield. M.K. Krolter, M.T. Katkov, A.I. Radonko,  
Vest. sel'khoz. nauki [Kazakh.] 10 no. 1:68-71 Ja '67.

Effect of Co, Cu and Mn on micro- and macroelement  
content in sheep saliva. M.A. Rozybakiev, M.M. Abab-  
kov. Trudy Inst. fiziol. AN Kazakh SSR 10:101-105 '66.

Effect of cobalt and manganese on amino acid content in  
hydrolyzate of mixed juice of pancreas and liver in  
sheep. A.V. Prokudin. Trudy Inst. fiziol. AN Kazakh  
SSR 10:106-109 '66.

Effect of cobalt on absorptive ability of small intestines  
in sheep. R.S. Aitupova. Trudy Inst. fiziol. AN Kazakh  
SSR 10:114-118 '66

Effect of complex of trace elements (Co + Cu + Mn) on  
absorptive ability of small intestines in sheep. R.S.  
Aitupova. Trudy Inst. fiziol. AN Kazakh SSR 10:123-  
125 '66.

Effect of copper on absorptive ability of small intestines  
in sheep. R.S. Aitupova. Trudy Inst. fiziol. AN Kazakh  
SSR 10:119-122 '66

Effect of manganese on secretory activity of parotid  
gland in sheep. M.A. Rozybakiev. Trudy Inst. fiziol.  
AN Kazakh SSR 10:85-88 '66.

Free amino acid level in sheep rumen. A.V. Prokudin.  
Trudy Inst. fiziol. AN Kazakh SSR 10:69-82 '66.

## SHEEP BREEDING

Effectiveness of the use of pregnant mare's serum in  
sheep fattening. A.Sh. M. Amarbeyev. Vest. sel'khoz.  
nauki 11 no. 12:79-83 D '66.

SHEEP BREEDS see subdivision under Iranov Province;  
Kazakhstan

SHEEPSHEARING see subdivision under New Zealand

## SHEET METAL

Production of sheet and strip covered with plastic. A.A.  
Korolev. Stal' 21 no. 11:1016-1018 N '61

## SHEET METAL WORK

Anisotropy of mechanical properties of hot-rolled titan-  
ium alloy sheet. G.S. Kazakevich. Trudy LPI no. 260:  
32-41 '65.

Experimental investigation of force conditions for bend-  
ing sheet materials by roll forming methods. K.N.  
Bogotavitskiy, A.K. Grigor'ev. Trudy LPI no. 260:63-  
67 '65.

## SHEET METAL WORK (Continued)

General consideration on the technical and economic comparison of press working and rolling of shaped sections and pipe. I. L. Peilin, M. Z. Eimanek. *Tsvet met* 33 no 3 60-62 M '60

Methods of studying bulging forces during sheet-metal work. V. V. Gubarev, S. A. Rastopshin. *Izv. vuzov. zav. Chern. met* 10 no 1 110-113 '67

## SHEET METAL WORKING MACHINERY

Automatic control devices for sheet stamping. D. B. Korovin, V. M. Grishin. *Stand. i Prib.* 30 no 4 76-88 '66

Calculating forces for stripping and pushing out during punching and blanking of plate material. V. E. Nedozorov, I. M. Zhvik. *Tруды LPI* no 260 82-85 '65

Clearances during plate blanking and punching. V. E. Nedozorov, I. M. Zhvik. *Tруды LPI* no 260 86-88 '65

Table with a lifting platform. A. N. Andreev, V. N. Talovarov. *Avtoprom* 32 no 12 39 D '66

## SHEET STEEL

Effect of the heating of metal in continuous furnaces on the quality of rolled sheet products. A. M. Kulakov, P. I. Plotnikov. *Stal'* 21 no 11-1035-1039 N '61

Production of semikilled sheet steel. I. G. Kazantsev and others. *Stal'* 21 no 11 979-981 N '61

A tool for cutting sheet steel. V. Zinov'ev. *Tekhn. v sel'-khoz* 21 no 12 76 D '61

## SHEET STEEL—CLEANING

Cleaning the surface of cold rolled steel with sprays of alkaline solutions. M. L. Morkhov, K. A. Egorova, I. M. Davydova. *Stal'* 21 no 11 1054-1056 N '61

## SHEET STEEL—CORROSION

Increasing the resistance of Kh18N9T (Kh18Ni9T) steel sheet and strip to intergranular corrosion. N. P. Zhetvin, I. V. Gorbachenko. *Zashch. met* 3 no 1 65-67 Ja '67

## SHEET STEEL—MAGNETIC PROPERTIES

Heterogeneity of specific losses of cold-rolled electrical steel and its effect on rolling losses of a transformer. V. V. Atoian. *Defektoskopiya* 2 no 6 21-26 '66

SHEETPIPING see subdivision under: Volga Hydroelectric Power Station (22d Congress of the CPSU)

SHELL ROOFS see Roofs, Shell

SHELLEY, MARY WOLSTONCRAFT (GODWIN), 1797-1851

Legend about a "homunculus." R. Olunin. *V mire knig* 6 no 6 35 Je '66

## SHELLS (ENGINEERING)

Analyzing experience in using 1.6 m. diameter shells in bridge foundation supports. V. V. Alekseev. *Transp. stroit.* 16 no 2-12-15 F '66

Building the portion above the foundations of bridge supports made 1.6 m. diameter shells. I. D. Rasskazov, L. I. Meshcherakov, N. A. Raevskii. *Transp. stroit.* 16 no 4-12-14 Ap '66

Designing a flat shell element approximately equivalent to a corrugated element. A. E. Zakharzhevskii. *Prikl. mekh.* 2 no 12 122-124 '66

Determining the temperature field in a finite cylindrical shell. Sh. M. Belyusov. *Izv. AN Azerb. SSR Ser. fiz.-tekhn. i mat. nauk* no 4 28-34 '66

Methods of assembling cylindrical shells. R. Grebeniuk. *Na stroi. Ros.* 5 no 3-10-10 M '64

Nikirev, V. M., and V. L. Shadrskii. [Practical methods of calculating shells] *Prakticheskie metody rascheta obolochek*. Moskva, Stroizdat, 1966, 200 p.

Sinking shells into ground using thixotropic jacket and vibro-driving machinery. A. S. Tkachenko. *Oen., fund. i mekh. grun* 8 no 5 32-34 '66

Work of the summer school on actual problems of shell mechanics. O. A. Goroshko. *Prikl. mekh.* 2 no 12 131-135 '66

## SHELVES—DESIGN AND CONSTRUCTION

Built-in shelves in pavilion-type buildings. M. Kleer, B. Aleksandrov. *Na stroi. Ros.* 4 no 7 24-25 Ji '63

## SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861

Kyryluk, Ie. P. [Taras Shevchenko: life and works] *Taras Shevchenko: zhyttia i tvorchist'*. Vyd. 2., dop. i porer. Kyiv, Derzh. vyd-vo Khudozh. lit-ry, 1964. 648 p. (N-D)

## SHEVCHENKO, TARAS HRYHOROVYCH, 1814-1861—CRITICISM, TEXTUAL

Not dots, but a dash. I. V. Vorob'eva. *Izv. AN SSSR, Ser. lit. i iz.* 25 no 6 522-523 N-D '66

## SHEVCHENKO REGION (KAZAKHSTAN)—SOILS

Soils in the coastal plain of Mangyshlak in the area of the city of Shevchenko. V. M. Borovskii and others. *Vest. sel'khoz. nauk [Kazakh.]* 10 no 1 28-33 Ja '67

## SHIGELLA—CLASSIFICATION

Some changes in the classification system of the Shigella genus bacteria. N. A. Khomenko. *Zhur. mikrobiol., eplid. i immunit.* 44 no 1 28-31 Ja '67

## SHINCHIKIN, A.

People and faces. A. Shchegolev. *V mire knig* 6 no 6 30-31 Je '66

## SHIP HANDLING

Evening a smooth turn on ships of the "Ladogales" type. V. Babain. *Mo. flot* 27 no 1-24 Ja '67

SHIP HANDLING—BIBLIOGRAPHY see Bibliography—Ship handling

## SHIP PROPULSION, ELECTRIC

Prospects for magnetohydrodynamic ship propulsion. A. P. Baranov. *Sudostroenie* 56 no 12 3-6 D '66

## SHIPBUILDING

[see also subdivision under Germany, East]

Design and delivery of a self-propelled floating workshop. A. M. Shvarts. *Sudostroenie* 27 no 1 59-61 Ja '61

For a further expansion of the shipbuilding industry. Sudostroenie 27 no 1 1-3 Ja '61

Hand pulleys with lifting capacity of 1.5 tons. F. M. Klemushin. *Ryb. prom.* 55 16-7 b. 0.

## SHIPBUILDING—ACCOUNTING

Work of the central accounting office under the new conditions. P. Andreev. *Budg. uch. et* no 12 3-6 D '66

SHIPBUILDING—BIBLIOGRAPHY see Bibliography—Shipbuilding

## SHIPBUILDING—CONGRESSES

All-Union conference on the construction of small ships. Sudostroenie 27 no 1 79 Ja '61

## SHIPBUILDING—EQUIPMENT AND SUPPLIES

Grebel'skii, P. Kh., and M. Kh. Reznik. [Mechanization of finishing operations in hull construction] *Mekhanizatsiya korpusno-dostroichnykh rabot*. Leningrad, Sudostroenie, 1956. 310 p.

New optical device for marking out with light. IU V. Afanas'ev, I. M. Kozlovskiy. *Sudostroenie* 27 no 1 62-63 Ja '61

The PD-500 gun for the welding of dovels. V. A. Knigell. *Sudostroenie* 56 no 12 50-51 D '66

## SHIPPING

Aleksandrova, K. I. [Practice of the Maritime Arbitration Commission in the examination of disputes arising from shipping goods by sea] *Praktika morskoi arbitrazhnoi komissii po sporam, vytekaiushchim iz perevozki gruzov morskim*. Moskva, Transport, 1966, 59 p.

## SHIPPING—ABSTRACTS

[Water transportation] *Ref. zhur. Vod. transp.* no 2 F '67

## SHIPPING—LABOR PRODUCTIVITY

Measuring labor productivity in water transportation. I. Bernshteyn. *Nauch. dokl. vuz. stekoly; ekon. nauki* 4 no 1 117-121 '61

## SHIPS—AIR CONDITIONING

[see also subdivision under Sweden]

Individual conditioners with ejection action for a single-channel high-pressure air conditioning system. V. P. Tarankin. *Sudostroenie* 27 no 1 25-28 Ja '61

Technological conference on air conditioning and refrigeration on ships. Sudostroenie 27 no 1 77-79 Ja '61

## SHIPS—CARGO

Establishing zonal norms for the loading of ships in accordance with the convention of 1966. A. Morozova. *Mo. flot* 27 no 1 10-41 Ja '67

## SHIPS—CORROSION

Marine tests of the corrosion of samples of welded joints of shipbuilding steels. N. N. Kalmykova, A. R. Yakubenko. *Sudostroenie* 56 no 12 43-45 D '66

## SHIPS—ELECTRIC EQUIPMENT

Mikhailov, V. A., and B. I. Nornovskii. [Automation of shipboard electric power plants] *Avtomatizatsiya sudovykh elektricheskikh stantsii*. Leningrad, Sudostroenie, 1966, 318 p.

## SHIPS—EQUIPMENT AND SUPPLIES

Blizuk, V. S. [Mounted ship tanks] *Sudovye vkladnye isterny*. Leningrad, Sudostroenie, 1966, 128 p.

Designing ships' ladders. E. P. Zagorskaya. *Sudostroenie* 27 no 1 21-25 Ja '61

Device for lifting crankshafts in installing frame bearings of main marine engines. F. M. Klemushin. *Ryb. prom.* 55 3-5 '60

Purifying bilge waters of petroleum products with shipborne equipment. I. Tuv, IU, Kalina. *Rech. transp.* 20 no 7 31-34 Ji '61

"Sudoprom" exhibits. V. Ragatov, Vnesh. torg. 46 no 12 26-27 '66

## SHIPS—HYDRODYNAMICS

Characteristics of the maneuverability of triple screw vessels. S. Ol'shemovskii. *Rech. transp.* 20 no 7 47-48 Ji '61

## SHIPS—INSPECTION

Small noncontact tachoscope for the actual testing of ship E. A. Zol'din. *Sudostroenie* 27 no 1 63-64 Ja '61

## SHIPS—LAUNCHING

From work practices in launching the tanker "Nilechik" No. 1. P. N. Kocherov. *Sudostroenie* 56 no 12 52-53 D '66

Unit for the sideways launching of ships. G. I. Pashkev. *Sboi. izobr. v ryb. prom.* za 1961 g. 197-99.

## SHIPS—MAINTENANCE AND REPAIR

For further improvement of the technical condition of the river fleet. A. Videl'skii. *Rech. transp.* 20 no 7 5-7 Ji '61

Increase basic norms for the calculation of ship repair work. I. Korobov, I. A. Rozhniskii. *Mo. flot* 27 no 1 33-34 Ja '67

Is profit needed for the sake? E. Shermol'tev. *Mo. flot* 27 no 1 76 Ja '67

Ship repair with a preliminary manufacture of subassemblies for replacement. N. L. Pevzner, I. M. Pavlov. *Sudostroenie* 56 no 1 45-49 D '66

Successes inspire. M. Mai kochev, S. Solkin. *Rech. transp.* 20 no 7 2-4 Ji '61

## SHIPS—MEASUREMENT

The problem of ship measurement. B. Etropkin. *Mo. flot* 27 no 1 42-43 Ja '67

## SHIPS—PAINTING

Method of protecting submerged surfaces from corrosion. Painting and carpenter motifs. E. I. Gushin, N. A. Khar'ukov, M. E. Birinberg. *Sboi. izobr. v ryb. prom.* za 1961 g. 102.

## SHIPS—WATER SUPPLY

Methods of water preparation and treatment used on sea-going ships of foreign fleets and in stationary power engineering. A. K. Gaidoufon. *Inform. sbor. tekhn. i stroit.* no 166 *Tekhn. ekapi. mor. flota* no 46 68-73 '68

## SHIPS—WELDING

Marine tests of the corrosion of samples of welded joints of shipbuilding steels. N. N. Kalmykova, A. R. Yakubenko. *Sudostroenie* 56 no 12 43-45 D '66

## SHIPWRECKS

Wreck of the medium-size fishing trawler "Ishkhan" under conditions of heavy icing. IU. Nechaev. *Mo. flot* 27 no 1 25-27 Ja '67

SHIPYARDS see subdivision under Astakhov

## SHIRAKATSI, ANANIA

Philosopher, mathematician, astronomer, geographer. G. Khripian. *Proim. i im.* 9 no 11 73-75 '60

## SHIRAKI STEPPE—ALMOND

Development of almond root system in dry regions of eastern Georgia (Shiraki Steppe). N. N. Shadrskii. *Izv. AN Gruz. SSR* 14 no 3 721-726 N-D '67

## SHKOL'NIKOV, LEV GRIGOR'EVICH

Lev Grigor'evich Shkol'nikov. *Orlop. i travm. i ust.* 27 no 12 79 D '66

## SHOCK

Characteristics of shock origin and course in dogs with different types of higher nervous activity. V. I. Pavlov, G. A. Roshkin, G. A. Kalabaeva. *Biot. zhurn. Arm.* 19 no 12 65-68 D '66

Effect of operative and postoperative shock on renal function in tuberculous following resection of lungs. O. G. Bunin. *Grud. khir.* 9 no 1 91-96 Ja '67

## SHOCK (MECHANICS)

Diagonal impact on mass attached to continuous spring. M. V. Blokh. *Stroil. mekh. i rasch. soor.* 6 no 1 111-114 '67

Effect of the scale factor at a high-speed collision of solid particles with barriers. G. V. Stepanov. *Trudy mekh.* 2 no 12 82-85 '66

## SHOCK ABSORBERS

Shock absorber of the chain transmission of roller furnace hearth. L. I. Tsekhnovich, A. I. Zol'tovskii. *Vest. mashinostr.* 47 no 1 41-44 Ja '67

## SHOCK WAVES

Asymptotic law of propagation of a plane detonation wave. G. G. Chernyi. *Dokl. AN SSSR* 172 no 3 558-560 Ja '67

Character of strong shocks in some complex media. A. D. Chernyshev. *Prikl. mat. i mekh.* 30 no 10 103-1034 N-D '66

Determining certain characteristics of the focus of detonation priming with shock waves. B. I. Shepiter, V. P. Chelyshev. *Vzryv. delo* no 60 171-102-107 '66

Determining the strength of electron transition of the first positive band system of nitrogen. Part 2. A. P. Dronov, N. N. Sobolev, F. S. Faizullov. *Opt. i spekt.* 21 no 5 538-545 N '66

Detonation priming with shock waves. P. A. Baun, A. A. Derzhavets. *Vzryv. delo* no 60 171-103-106 '66

## SHOCK WAVES (Continued)

Evolutional character of oblique shock waves in magnetohydrodynamics. K. P. Cherkasova. Ukr. fiz. zhur. 11 no. 12:1302-1306 D '66.

Impact of a supersonic jet against a sun face. A. I. A. Sagomonyan. Vest. Mosk. un. Ser. 1, Mat., mekh. 21 no. 6:198-105 N-D '66.

Solution of the problem of a powerful point explosion in ideal compressible media in the case of cylindrical and plane waves. I. O. Pavlovskii. Vest. Mosk. un. Ser. 1, Mat., mekh. 21 no. 6:190-97 N-D '66.

Stability of a shock wave in a viscous gas. S. K. Aslanov. Dop. AN URSR no. 10:1261-1267 '66.

Transverse impact against a flexible membrane. U. Ilek-turinov. Vest. Mosk. un. Ser. 1, Mat., mekh. 21 no. 6:104-107 N-D '66.

## SHOE INDUSTRY

(see also subdivision under Gomet')

Characterization of the determination of the economic effectiveness of the chemicalization of the leather and footwear industry. P. S. Pashkin. L. P. Aksenov. Kozh.-obuv. prom. 8 no. 12:7-10 D '66.

Effect of the transportation factor on the choice of the building sites of enterprises of the leather and footwear industry. L. B. Pelinshon. L. A. Viaz'mina. R. I. Vodnansk. Izv. vuzov, ucheb. zav. tekhn. i g. prom. no. 6:18-24 '66.

Enlargement of the assortment and improvement of the quality of footwear: the main task. V. S. Novikov. Kozh.-obuv. prom. 8 no. 12:1-5 D '66.

## SHOE INDUSTRY—EQUIPMENT AND SUPPLIES

Determination of the molding properties of the PVC plastic. L. G. Plotnikova. Kozh.-obuv. prom. 8 no. 12:17-20 D '66.

Dutkin, A. I. [Equipment and conveying machinery for assembly-line production of glued footwear; textbook] Oborudovanie i transportnyye ustroystva na potoke proizvodstva klovov obuvy: uchebnoye posobie. Moskva, Legkaya industriya, 1966. 43 p.

(MICROFILM)

New machines for shaping the toe of uppers with a flat vamp. M. L. Roginskii and others. Kozh.-obuv. prom. 8 no. 11:16-19 N '66.

SHOE INDUSTRY—FINANCE see subdivision under Saralov

## SHOE INDUSTRY—LABOR PRODUCTIVITY

Correlation study of the effectiveness of specialization in a particular type of goods in the footwear industry. V. A. Afanas'ev, T. A. Gryzlova. Izv. vuzov, ucheb. zav.; tekhn. i g. prom. no. 6:9-17 '66.

Technological progress and the increase of labor productivity in the shoe industry. V. Ponomarev. Nauch. dokl. vuzovskoye; ekon. nauka 4 no. 11:11-16 '61.

## SHOE INDUSTRY—MANAGEMENT

(see also subdivision under Alma-Ata)

Determination of the optimal size of the production sector and the lot in the shoe industry. N. N. Shchegolev. Kozh.-obuv. prom. 8 no. 11:7-7 N '66.

Pages of a new life. V. Anan'in. Sov. profsoyuz. 23 no. 11:18-17 Ja '67.

## SHOE INDUSTRY—QUALITY CONTROL

Curb waste. N. Krasuk. Sov. tovg. 40 no. 12:41 D '66.

## SHOE MANUFACTURE

Effect of porophores on the process of producing micro-porous soles by hot vulcanization. Z. A. Voinberg. Kozh.-obuv. prom. 8 no. 11:20-22 N '66.

Recent developments in the finishing of leather soles. E. M. Shabaev. Kozh.-obuv. prom. 8 no. 11:30-31 N '66.

Technological wear allowance during the assembly of the parts of the shoe. B. M. Karpman. B. I. A. Kazanovich. Kozh.-obuv. prom. 8 no. 12:30-33 D '66.

## SHOE MANUFACTURE—EQUIPMENT AND SUPPLIES

New type of multilayer embossed with an increased content of leather fibers for the shoe counter. A. M. Kozarev and others. Kozh.-obuv. prom. 8 no. 11:31-33 N '66.

## SHOE MANUFACTURE—STUDY AND TEACHING

Grundyag, I. A. S. [Vocational training of pattern designers and cutters in the shoe industry] Proizvodstvennoye obucheniye raskroshchikov i vyrobshchikov v obuvnoi promyshlennosti; metodicheskoye posobie. Moskva, Vysshaya shkola, 1965. 100 p.

Sholokhov, Mikhail Aleksandrovich, 1905- An exponent of enlightenment. Perv. Stropkov. Otkladi' 43 no. 12:170-190 D '66.

Mikhail Aleksandrovich Sholokhov. Moskva, Pravda, 1966. 313 p.

## SHOOTING, MILITARY

Firing on moving targets. K. Gusev. Voen. vest. 41 no. 6:103-107 Ja '61.

Leschikov, A. K. [Fire training] Obovaya podgotovka. Moskva, Voenizdat, 1966. 170 p. (Posobie po obucheniye molodogo soldata, no. 3)

## SHOOTING CONTESTS

What the examination showed. A. Pavlov. Voen. znaniya. 43 no. 1-41 Ja '67.

## SHORE PROTECTION

(see also subdivision under Black Sea)

Shore protecting structures from reinforced concrete tetrahedral latticework girders. F. Sh. Isaev. Trudy TINMSKII no. 15:41-52 '60.

## SHORT CIRCUITS

Determining the contact point by currents and voltages of zero sequence. V. M. Davydov. Prom. Bel. 10 no. 1. 47 Ja '67.

SHORTWAVE RADIO see Radio, Shortwave

## SHOT PEENING—EQUIPMENT AND SUPPLIES

Increasing the wear resistance of shot-peening blades. V. P. Koshel'. Tekhn. i org. proizv. no. 6:91-92 N-D '66.

## SHOULDER—DISEASES

Diagnosis and treatment of scapulohumeral periarthritis. N. I. Nikolaeva. Trudy Turk. nauch.-issl. inst. klim. i fiz. metod. lech. 9:42-53 '65.

SHOWN WINDOWS see subdivision under Moscow

## SHREWS

(see also subdivision under Kiev region; Ukraine)

Structure of genitalia in palaearctic shrew (Sorex - Insectivora) as taxonomic character. V. A. Dolgov. I. V. Luk'yanova. Zool. zhur. 45 no. 12:1852-1861 '66.

## SILICES

Changes in the physical properties of Solonchik soils of the Vergent hills caused by shrubs. A. F. Vadiutina. Pochvovedeniye no. 4:31-39 Ap '60.

## SILKSHIN, VASILII MAKAROVICH

The end of the Likhvin family. V. Sarganova. V mire knig 6 no. 6:30 Ja '66.

## SILUTS, RIKHARD SOLOMONOVICH, 1896-

Seventieth birthday of Rikhard Solomonovich Shul'ts. E. A. Davtian. Biol. zhur. Arm. 18 no. 10:108-112 O '66.

## SHUSHENSKOE (KRASNOYARSK TERRITORY)—

HISTORIC HOUSES, ETC.

In the village of Lenin. K. Shnei-Krasikov. Otkladi' 43 no. 12:132-134 D '66.

## SHVEDE, EVGENII YEVGENEVICH

Lebedenko, A. G. [Learned navigator] Uchenyi morekhod. Moskva, Voenizdat, 1965. 60 p. (Gerol.-sovremenniki) (MH)

## SHVETSOV, ARKADI DMITRIYEVICH, 1892-1953

Orin, B. [General designer A. D. Shvetsov] General'nyi konstruktory A. D. Shvetsov. [Perm'] Permskoye knizhnoye izd-vo, 1964. 192 p. (Zamechatel'nye ljudi Pri-kam'ia)

## SIALIAI (LITHUANIA)—WORLD WAR, 1939-1945

Three days of combat. I. Chugunov. Voen. vest. 41 no. 6:21-22 Ja '61.

## SIJAZAN' REGION (AZERBAIJAN)—EARTH TEMPERATURE

Magnitude of reciprocal gradient for the Sijazan' oil field. A. M. Plushch, Zh. N. Ter-Karapetants, S. K. Ailfov. Dokl. AN Azerb. SSR 18 no. 3:25-28 '62.

## SIBERIA—BORON

Boron in kimberlites and melmochites of Siberia. V. A. Cherepanov. Dokl. AN SSSR 172 no. 3:696-699 Ja '67.

## SIBERIA—BUILDING—ESTIMATES

Why they underestimate. O. T. Sarkova. Ekon. stroi. 10 no. 1:62-63 Ja '67.

## SIBERIA—CHEVCHINITE

Chevchinite from the pegmatite deposit in Siberia. V. N. Zinov, O. V. Bogorodskii, S. V. Iakovleva. Trudy Min. muz., no. 12:203-207 '61.

## SIBERIA—COAL—TESTING

Germanium in Siberian coals. S. N. Ribachenko. Trudy Khim.-met. inst. Sib. otd. AN SSSR no. 10:147-153 '61.

## SIBERIA—COMMERCE

History of trade and commercial and usurious capital in Siberia, 1881-1891. A. P. Borodavkin, A. A. Gorkov. Trudy TGU 158:37-60 '65.

## SIBERIA—COMMUNICABLE DISEASES—PREVENTION

Prevention of natural foci diseases with respect to the development of new areas of Siberia and Far East. S. P. Karpov, Zhur. mikrobiol., epid. i immun. 44 no. 1:79-83 Ja '67.

## SIBERIA—ECONOMIC CONDITIONS

Characteristics of the development of capitalism in Siberia, from 1961 to the middle 1890's. A. P. Borodavkin, G. Kh. Rabinovich, L. G. Sukhotina. Trudy TGU 158:3-19 '65.

[Siberia during the building of socialism and the transition to communism] Sibir' v period stroitel'stva sotsializma i perekhoda k kommunizmu. Novosibirsk, Nauka.

No. 6. [Siberia during the building of socialism] Sibir' v period stroitel'stva sotsializma. 1966. 160 p. (Materialy po istorii Sibiri)

## SIBERIA—FAMINES

How the cooperative societies of Siberia struggled against the famine of 1921-1922. E. N. Khenkin. Trudy TGU 158:187-197 '65.

## SIBERIA—FOREST ECOLOGY

[Hydroclimatic research in the forests of Siberia, interrelation of forest and environment and methods for their study] Gidroklimaticheskie issledovaniya v lesakh Sibiri; vzaimootnosheniya lesa i sredy i metody ikh izucheniya. Moskva, Nauka, 1967. 150 p.

## SIBERIA—FOREST INFLUENCES

[Hydroclimatic research in the forests of Siberia, interrelation of forest and environment and methods for their study] Gidroklimaticheskie issledovaniya v lesakh Sibiri; vzaimootnosheniya lesa i sredy i metody ikh izucheniya. Moskva, Nauka, 1967. 150 p.

## SIBERIA—FORESTS AND FORESTRY

Effect of vegetation on soil temperature in perennially frozen regions. A. P. Tyrtikov. Vest. Mosk. un. Ser. 6: Biol. pochv., 21 no. 5:85-90 S-O '66.

## SIBERIA—GEOGRAPHY—CONGRESSES

Nauchnoye soveshchaniye geografov Sibiri i Dal'nego Vostoka, 3d, Irkutsk, 1966. [Materials of the 3d Scientific Conference of the Geographers of Siberia and the Far East] Materialy, Irkutsk.

No. 1. [Role of geography and the tasks of geographers in the comprehensive study and reclamation of the West Siberian Lowland] Rol' geografii i zadachi geografov v kompleksnom izuchenii i osvoenii Zapadno-Sibirskoi nizmennosti. 1966. 75 p.

No. 2. [Results of and outlook for the introduction of new methods of geographical research] Itogi i perspektivy vnedreniya novykh metodov geograficheskikh issledovaniy. 1966. 72 p.

## SIBERIA—GEOLOGY, STRATIGRAPHIC

Stage delineation of Carboniferous sediments in northern part of Siberia. V. I. Usritskii, G. E. Cherniak. Uch. zap. MIRA. Ser. "Paleont. i biostr." no. 10:5-14 '65.

## SIBERIA—HISTORY

Early history of the Siberian struggle for self-government. M. G. Selezneva. Trudy TGU 158:20-36 '65.

War industry committees in Siberia during the First World War. I. G. Mozhina. Trudy TGU 158:74-86 '65.

## SIBERIA—INDUSTRIES

Siberia develops its resources and builds its industry. Mol. komm. no. 12:34-35 D '61.

## SIBERIA—LAMELLIBRANCHIATA, FOSSIL

Belokhitina, O. A. [Upper Paleozoic non-marine Pelecypoda (bivalves) of Siberia and eastern Kazakhstan] Verkhnepalaeozoiskie nemorskoye peletspody (dyustvorki) Sibiri i Vostochnogo Kazakhstana. Moskva, Nauka, 1966. 210 p. illus.

## SIBERIA—MACHINERY INDUSTRY—MANAGEMENT

Division and cooperation of labor in an enterprise. L. Zudina, A. Kolobov, E. Maslov. Sots. trud. 12 no. 2: 91-101 F '67.

## SIBERIA—MAPS

Authentic annotation to the 1667 map of Siberia. L. A. Gol'denberg. Trudy Inst. ist. i tekhn. 42:252-271 '62.

## SIBERIA—MENTALLY ILL CHILDREN—CARE AND TREATMENT

State of therapeutic and prophylactic service for mentally ill children in Siberia. G. E. Sukhareva, L. A. Iur'eva. Trudy Gos. nauch.-issl. inst. psikh. 26:434-442 '61.

## SIBERIA—MIGRATION, INTERNAL

Perovodnikov, V. I. [Migration of the population and the labor problems of Siberia] Migratsiya naseleniya i trudovye problemy Sibiri. Novosibirsk, Nauka, 1965. 189 p.

## SIBERIA—NATIVE RACES

Organization of the "nationalities departments" of the Soviets in Siberia, 1920-1921. L. A. Goltsheva. Trudy TGU 158:165-175 '65.

## SIBERIA—PEASANT UPRISINGS

The peasant movement in Western Siberia, March-April 1917. L. I. Bozhenko. Trudy TGU 158:100-112 '65.

## SIBERIA—PETROLEUM PIPELINES

Activity of pipelines of the Ural-Siberian Petroleum Pipeline Administration. A. Nechaev, P. Munin. Nefteknik 11 no. 8:6-7 Ag '66.

## SIBERIA—PKAS

*Ochotona alpina* Pall., a pest of pine trees. R. I. Loskutov. Zool zhurn. 45 no. 12:1987 '66

## SIBERIA—PNE—DISEASES AND PESTS

*Ochotona alpina* Pall., a pest of pine trees. R. I. Loskutov. Zool zhurn. 45 no. 12:1987 '66

## SIBERIA—RAILROADS

Transsiberian Trust is 25 years old. V. I. Sobolev, F. Oreshkin. Transp. strol. 16 no. 131:33 Ap '66.

## SIBERIA—RESEARCH, INDUSTRIAL

A wonderful land with great prospects for the future. M. A. Lavrent'ev. Mol. komm. no. 12:20-31 D '66.

## SIBERIA—REVOLUTION, 1917-1921

G. N. Putann during the socialist revolution and civil war in Siberia. I. M. Ra'gov, M. E. Plotnikov. Trudy TGU 138:138-153 '65

Organization of the "nationalities departments" of the Soviets in Siberia, 1920-1921. L. A. Golitsheva. Trudy TGU 158:165-175 '65

## SIBERIA—ROADS—DESIGN AND CONSTRUCTION

Automobile roads for construction work in taiga swamp areas. V. I. Tkachenko. Transp. strol. 16 no. 3:6-8 M '66.

## SIBERIA—RUSSIAN NEWSPAPERS

How the press of Eastern Siberia helped to develop agriculture in the first years of the New Economic Policy. S. B. Ochurov. Trudy Irk. inst. nar. khoz. no. 1:231-245 '66.

## SIBERIA—SOIL TEMPERATURE

Effect of vegetation on soil temperature in perennially frozen regions. A. P. Tyutikov. Vest. Mosk. un. Ser. 6: Biol., pochv. 21 no. 5:85-90 S-O '66.

## SIBERIA—SOILS

Contribution of scientists to production. A. Ugerov. Zemledelie 29 no. 1968-71 Ja '67

## SIBERIA—STANDARDIZATION

What the exhibition told. V. Pashchugin. Stand. i kach. 30 no. 11:82-83 N '66

## SIBERIA—STONE AGE

Statement. M. I. Sokolov. Trudy Kom. chetv. per. 18:232-233 '61

## SIBERIA—JOURNALISM

Crystallographic studies of tourmalines from pegmatite veins in Siberia. G. N. Tarnovskii. Trudy Min. muz. no. 12:123-144 '61.

## SIBERIA—ULTRABASITE

Plum, G. V., and I. N. Kolesnik. [Alpine-type ultrabasic rocks of the south of Siberia.] Al'pinitsnye giperbazity iuga Sibiri. Moskva, Nauka, 1966. 209 p.

## SIBERIA—WEED CONTROL

Controlling weed plants in northern Kazakhstan and steppe region of Siberia. P. P. Kolmakov. Vest. sel'khoz. nauk. 11 no. 11:35-39 '66

## SIBERIA—WHEAT—VARIETIES

Means of increasing the production of durum wheat in Siberia. G. P. Vyssokos, A. V. Varaksin. Zemledelie 8 no. 4:48-53 Ap '60

## SIBERIA, EASTERN—AGRICULTURE

How the press of Eastern Siberia helped to develop agriculture in the first years of the New Economic Policy. S. B. Ochurov. Trudy Irk. inst. nar. khoz. no. 1:231-246 '66.

## SIBERIA, EASTERN—CLIMATE

Indices of normal equivalent-effective temperature in southern part of Eastern Siberia. V. V. Bufal, N. P. Ladetschikov. Trudy Lm. inst. 10:151-169 '66.

## SIBERIA, EASTERN—COMMERCE

Economic contacts is a very effective way to develop economic cooperation among our nations. B. S. Sanzhiev. Trudy Irk. inst. nar. khoz. no. 1:29-53 '66.

## SIBERIA, EASTERN—ELECTRICITY IN MINING

Human body resistance to electric current. M. I. Barash, V. I. Shchutskii. Izv. vyz. ucheb. zav. gor. zhur. 8 no. 9:135-138 '63.

## SIBERIA, EASTERN—ELECTROMAGNETIC PROSPECTING

Some results of practice of magnetotelluric profiling in northeastern part of U.S.S.R. Vest. Mosk. un. Ser. 4: Geol. 21 no. 6:93-100 N-D '66.

## SIBERIA, EASTERN—EMPLOYEES, TRAINING OF

Efforts of party organizations to raise the technical skill and qualifications of workers. I. A. P. Tarasenko. Trudy Irk. inst. nar. khoz. no. 1:55-74 '66.

## SIBERIA, EASTERN—GEOGRAPHICAL RESEARCH

Geographical works of Sergei Vladimirovich Obruchev; on the 75th anniversary of his birth. N. G. Sukhova. Izv. Vses. geog. ob-va 98 no. 6:526-530 N-D '66.

## SIBERIA, EASTERN—GEOLOGY

Some problems of the stratigraphy of Mesozoic sediments and tectonics of the southeastern margin of the Aldan Shield and the adjoining part of the Mongolian - Obdorsk folded region. V. I. Gol'denberg. Bul. MOIP. Old. geol. 36 no. 5:142-113 S-O '61.

Stratigraphy and magmatic activity of the Pre-Cambrian in the eastern part of the Stanovik-Dzhugdzhu zone. V. N. Moskhin. Bul. MOIP. Old. geol. 36 no. 5:113-136 S-O '61

## SIBERIA, EASTERN—INDUSTRIAL MANAGEMENT

Efforts of the Irkutsk party organization to develop the leadership of Communists in industry and construction during the seven-year plan. V. I. Semina. Trudy Irk. inst. nar. khoz. no. 1:80-119 '66.

## SIBERIA, EASTERN—INDUSTRIES

Problems in the industrial development of Eastern Siberia and the increased effectiveness of socialist social production. V. N. Dolzhykh. Trudy Irk. inst. nar. khoz. no. 1:3-28 '66.

## SIBERIA, EASTERN—LABOR SUPPLY

Some problems of labor supply for new construction projects in Eastern Siberia. N. M. Pokarshana, I. U. M. Chelnikov. Trudy Irk. inst. nar. khoz. no. 1:247-256 '65

## SIBERIA, EASTERN—PHILOSOPHICAL RESEARCH

The Soviet public and some philosophical problems in industry, science, and technology. L. A. Petrov, A. S. Makarov, V. P. Polotov. Trudy Irk. inst. nar. khoz. no. 4:5-22 '65.

## SIBERIA, EASTERN—RAILROADS—SWITCHES—MAINTENANCE AND REPAIR

In Eastern Siberia. I. U. N. Lavrent'ev. Put' i put. khoz. 11 no. 1:31-12 '67.

## SIBERIA, EASTERN—RAILROADS—TECHNOLOGICAL INNOVATIONS

Experiments of the Bogotol section purpose. V. M. Kombarov. Put' i put. khoz. 10 no. 7:38-40 '66

## SIBERIA, EASTERN—REVOLUTION, 1917-1921

Shereshchinskii, B. M. [The defeat of Semenov units, April-November 1920, role of the Far East Republic in the struggle for the elimination of the "Chita block" and the unification of the Far East.] Razgrom semenovshchiny (aprel'-noyabr' 1920 g.), o roli Dal'nnevostochnoi respubliky v bor'be za likvidatsiyu "Chitinskoi blokady" i ob'edinenie Dal'nego Vostoka. Novosibirsk, Nauka, 1966. 238 p.

## SIBERIA, EASTERN—STOCK AND STOCKBREEDING

Eastern Siberia's struggle for the rapid development of stock farming during the completion of the building of socialism. N. O. Kashperko. Trudy Irk. inst. nar. khoz. no. 1:120-142 '60.

## SIBERIA, EASTERN—VOCATIONAL EDUCATION

The training of skilled workers in the vocational schools of Eastern Siberia during the seven-year plan. P. G. Serel'mankova. Trudy Irk. inst. nar. khoz. no. 1:192-202 '66.

## SIBERIA, EASTERN—WOMEN—EMPLOYMENT

The women of Eastern Siberia and their role in the establishment of the economic and technical foundation of communism. K. I. Gladina. Trudy Irk. un. 38 no. 4:117-131 '65.

## SIBERIA, WESTERN—DUCKWHEAT—FERTILIZERS AND MANURES

Fertilizers as an important potentiality for increasing the yield of cereal crops. S. U. Brovarenko. Zemledelie 8 no. 4:30-33 Ap '60.

## SIBERIA, WESTERN—ECONOMIC POLICY

The policy of the economic councils of Western Siberia in regard to the lease of industrial enterprises in the early phase of the restoration of the national economy, 1921-1923. T. A. Korogina. Trudy TGU 150:103-209 '65

## SIBERIA, WESTERN—ENCEPHALITIS, EPIDEMIC

Tick-borne encephalitis in Western Siberia. N. V. Shubin. Trudy Gos. nauch. -issl. inst. psikh. 26:182-186 '61.

## SIBERIA, WESTERN—FEBRUARY REVOLUTION, 1917

The peasant movement in Western Siberia, March-April 1917. L. I. Bozhenko. Trudy TGU 158:100-112 '66.

## SIBERIA, WESTERN—GAS, NATURAL—GEOLOGY

Evaluation of gas-bearing prospects in the Ural Mountain region of the West Siberian Lowland based on hydrogeologic indexes. L. M. Zor'kin. Bul. MOIP. Old. geol. 36 no. 5:150-151 S-O '61.

## SIBERIA, WESTERN—METALLURGICAL PLANTS

Administrative center for the West Siberian Metallurgical Plant, N. N. Khushtnikov. Prom. strol. 44 no. 12:26-28 '66.

## SIBERIA, WESTERN—MILLET—FERTILIZERS AND MANURES

Fertilizers as an important potentiality for increasing the yield of cereal crops. S. U. Brovarenko. Zemledelie 8 no. 4:30-33 Ap '60.

## SIBERIA, WESTERN—NEUROPSYCHIATRY

State of psychoneurological service in the province of Western Siberia and the adjacent provinces of the Ural. I. S. Iakovlev, I. Z. Koshitskii. Trudy Gos. nauch. -issl. inst. psikh. 26:421-431 '61.

## SIBERIA, WESTERN—OFFICE BUILDINGS—DESIGN AND CONSTRUCTION

Administrative center for the West Siberian Metallurgical Plant, N. N. Khushtnikov. Prom. strol. 44 no. 12:26-28 '66.

## SIBERIA, WESTERN—PETROLEUM INDUSTRY

Petroleum and people. K. Lagunov. Nov. mir 19 no. 7:197-218 Ji '66

## SIBERIA, WESTERN—REVOLUTION, 1917-1921

Role of the political actions of the Red Army in the establishment of revolutionary committees in Western Siberia in 1919 and 1920. V. I. Medvedev. Trudy TGU 158:154-161 '65.

## SIBERIA, WESTERN—SOCIAL GROUP WORK

Cultural and educational work in Western Siberia, 1913-1937. I. U. P. Sokolov. Trudy TGU 158:222-231 '65.

## SIBERIA, WESTERN—SOLONETZ SOILS

Large contour tillage of soils. I. Zagrebelny. Zemledelie 29 no. 134-136 Ja '67.

## SIBERIA, WESTERN—SOVETS

History of rural Soviets on the eve of the complete collectivization of Western Siberia, 1927-1930. V. I. Osokina. Trudy TGU 158:210-221 '65.

## SIBERIA, WESTERN—VETCH

Mixed plantings of wheat and vetch. P. A. Iakhtenfeld, I. N. Zhukov. Zemledelie 8 no. 1:75-77 Ap '60.

## SIBERIA, WESTERN—WHEAT

Mixed plantings of wheat and vetch. P. A. Iakhtenfeld, I. N. Zhukov. Zemledelie 8 no. 4:15-17 Ap '60.

## SIBERIAN PLATFORM—GEOLOGY, STRATIGRAPHIC

New data on the stratigraphy of the Early Silurian formations in the convergence zone of the eastern margin of the Siberian Platform and the Murozskii - Cambrian folded region. M. S. Butanova, M. A. Pankhova. Bul. MOIP. Old. geol. 36 no. 5:110-113 S-O '61.

New data on the stratigraphy of upper horizons of the Late Cambrian and Lower Paleozoic sediments in the southeastern margin of the Siberian Platform. V. P. Alekseev, E. L. Pavlova. Bul. MOIP. Old. geol. 36 no. 5:140-141 S-O '61.

Stratigraphy of the Lower Cambrian sediments of the southeastern Siberian Platform. V. A. Samozvanzhova. Bul. MOIP. Old. geol. 36 no. 5:141-112 S-O '61.

## SIEMENS-MARTIN FURNACE see Open-hearth furnaces

## SIEROZEM see subdivision under Golodnyy steppe

## SIGHT

The eyes and laws of beauty. E. Kotova. Iskusstvo 20 no. 12:8-14 '66.

## SIGMAMYCIN

Pharmacology of tetracycline preparations in intravenous administration. Olektorin. Antibiotiki 12 no. 1:33-39 Ja '67

## SIGNAL THEORY (TELECOMMUNICATION)

Accuracy of the transmission of phase-keyed signals with transients and additional white noise in the channel. A. V. Mikhailov. Radiotekhnika 22 no. 1:81-89 Ja '67.

Carrying capacity of a motor tail frequency telegraphy channel subject to the action of noise and atmospheric scatter signals. I. U. P. Korobov. Elektronnaya 21 no. 1:31-36 Ja '67.

Determination of losses of a partially accessible network during the arrival of two flows. G. L. Ionin, I. A. Sedol. Elektronnaya 21 no. 1:54-57 Ja '67.

Distortions originating in one method of pulse-amplitude modulation. I. U. G. Davydov, V. M. Tshirin. Elektronnaya 21 no. 1:67-71 Ja '67.

Dukhovner, A. N. [Signals of radio systems and their spectral analysis; a manual on the theoretical fundamentals of radio engineering.] Signaly radioizlatsion i ikh spektral'nyi analiz; uchebnoe posobie po teoreticheskim osnovam radioelekhniki. Leningrad, Severo-Zapadnyi nauch.-issl. politekh. inst., 1965. 83 p.

Problem of the use of complex signals in random access communication systems. I. E. Varakin, I. M. Pyatkin. Elektrosvaz' 21 no. 1:72-77 Ja '67.

## SIKHOTE-ALIN RANGE—GEOLOGY, STRUCTURAL

Blamo-Kolumbo seam in eastern Sikhote-Alin Range. I. K. Volchanskaya. Dokl. AN SSSR 171 no. 6:1305-1308 D '68.

## SILAGE

Effect of acidophilic yeast silage from corn and soybean on abomasum secretion in calves and lambs. V. U. Mironova, M. F. Arkhangol'skaya. Trudy Inst. fiziol. AN Kazakh. SSR 10:100-202 '68.

Effect of corn silage in rations for cows on the quality of dried milk. I. A. Radaeva. Dokl. TSKHA no. 45:107-112 '68.



## SILAGE (Continued)

Physiological conditions of cows fed silage: relations with various sugar contents. B. P. Hrasimovich, E. L. Hrasimovich. Vestn. AN BSSR. Ser. sel'sk. hosp. nov. no. 4:59-64 '66.

Possibilities of spontaneous ignition in sunflower cakes. M. Erolova. Muk.-elev. prom. 26 no. 3:28-31 '60.

## SILAGE-HANDLING MACHINERY

Complex of machines for feed ensilage and the distribution of silage to animals. S. Ryzhov. Tekhn. v sel'khoz. 27 no. 1:89-91 '67.

## SILANE

Decomposition of tetrachlorosilane in adiabatic compression. F. B. Vurzel', L. S. Polak, V. S. Shchepachev. Kinetika. 7 no. 6:1069-1071 N-D '66.

Interaction of aromatic aldehydes with trialkylsilanes in the presence of metal chlorides. N. E. Chishkova, N. P. Khristonov. Izv. AN SSSR. Ser. khim. no. 1:88-93 Ja '67.

Reaction of dialkyl (dialkylamino) silanes with glycols. K. A. Andrianov and others. Izv. AN SSSR. Ser. khim. no. 12:2228-2231 '68.

Reaction of diphenyldichlorosilane with 1,4-dithiolane-1,4-dithiol dimethylphthalene. K. A. Andrianov, A. I. Nogal'del', R. Sh. Tsheshelashvili. Izv. AN SSSR. Ser. khim. no. 12:2228-2229 '68.

Reactions of phenol polymers with chlorosilanes. I. M. Gaidistell', D. Sh. Ugolchellidze, N. A. Bibilashvili. Soob. AN Gruz. SSR. 44 no. 3:589-595 D '66.

Study of properties of Si-H bond in monogonosilanes by paramagnetic resonance method. V. O. Reikhsfel'd, L. N. Gubanova. Teoret. i ekspr. khim. 2 no. 5:620-634 S-O '66.

## SILICA

Influence of vapors of conditioning agents on the porous structure and adsorptive properties of silica gel surfaces (with summary in English). Z. Z. Vysotskii, L. F. Dvornich, M. V. Polakov. Koll. zhur. 21 no. 3:218-254 My-Je '61.

Infrared spectroscopy study of isotope exchange with surface hydroxyl groups of chemically modified silica (with summary in English). V. I. Lygin, A. V. Kiselev. Koll. zhur. 23 no. 3:299-301 My-Je '61.

Oxidation of alcohols on platinumized silica gels of various types. N. M. Dmitrienko, V. S. Bozhina, O. M. Polonsk. Vest. Mosk. un. Ser. 2: Khim. 21 no. 6:109-109 N-D '66.

Preparation of ultraporous silica gels with internal porosity (with summary in English). Z. Z. Vysotskii, M. V. Polakov. Koll. zhur. 23 no. 3:255-256 My-Je '61.

Redox of water absorbed on silica gel. E. L. Kraylova, E. I. Dolin. Kinetika. 7 no. 6:977-982 N-D '66.

Sorption of cations on silica gels in acid region. L. F. Kirichenko, I. U. P. Klementova, Z. Z. Vysotskii. Ukr. khim. zhur. 32 no. 11:1177-1179 '66.

Thermal method for measuring the dynamics of the adsorption and desorption of moisture by silica gel. I. P. Lyzhkin, Z. M. Rizov, O. M. Toden. Zhur. prikl. khim. 34 no. 8:1225-1231 Je '61.

## SILICA—SPECTRA

Technism of the processes of radiolysis of hydrogen bonds absorbed on silica gel. V. V. Stel'ko, K. A. Suprunenko. Teoret. i ekspr. khim. 2 no. 5:694-697 S-O '66.

## SILICATES

Bolvinik, O. K., G. I. Kiukovskii, and L. A. Manuilov. [Laboratory manual on the general technology of silicates and the technical analysis of building materials]. Laboratornyi praktikum po obshchey tekhnologii silikatov i tekhnicheskoy analizu stroitel'nykh materialov. Moskva, Stroizdat, 1966. 399 p.

Discussion on boron isomorphism in silicates. V. I. Lebedev. Geokhimiya no. 10:937-941 '61.

SILICON see subdivision under Donets Basin

## SILICON—ELECTRIC PROPERTIES

Consensoidal current oscillations in zinc-compensated n-silicon. B. V. Koinilov, A. V. Anfimov. Fiz. tver. tela 8 no. 11:3420-3422 N '66.

## SILICON—OPTICAL PROPERTIES

Antireflection coating on silicon photocells. M. M. Koltun, T. M. Golovner. Opt. i spekt. 21 no. 5: 630-637 N '66.

## SILICON-ALUMINUM ALLOYS

Lignin charcoal as a reducing agent in the production of silicon-aluminum alloys. S. I. Sukhanovskii and others. Soob. trud. NIGS 14:253-257 '65.

## SILICON CARBIDE

Microscopy and X-ray spectroscopy of silicon carbide eutectics in Fe-C-Si alloys. I. U. N. Taran and others. Izv. AN SSSR. Met. no. 11:182-189 Ja-F '67.

Vsesoyuznaya konferentsiya po karbidu kromnia, Kiev, 1964. [Silicon carbide: structure, properties and use. Reports.] Karbid kromnia; stroenie, svoystva i oblasti primeneniya. [Doklady] Kiev, Naukova dumka, 1966. 359 p.

## SILICON CARBIDE CRYSTALS

Energy and kinetic parameters of impurity nitrogen in silicon carbide crystals. I. S. Gorban', A. F. Gumenyuk, I. M. Suleimanov. Fiz. tver. tela 8 no. 11:3424-3426 N '66.

Extraction of current carriers by p-n-junction field and mechanism of electroluminescence of silicon carbide. E. E. Yelkin, G. F. Kholudanov. Fiz. tver. tela 8 no. 11: 3305-3307 N '66.

## SILICON CARBIDE CRYSTALS—SPECTRA

Effect of infrared light on the photoluminescence of SiC-N. L. A. Vinokurov, M. V. Fok. Opt. i spekt. 21 no. 5:566-591 N '66.

Low-temperature luminescence of silicon carbide crystals. I. S. Gorban', G. N. Mshinova, I. U. M. Suleimanov. Zhur. prikl. spekt. 5 no. 5:614-620 N '66.

## SILICON CARBIDE CRYSTALS, EFFECT OF RADIATION ON

Cathode luminescence of silicon carbide single crystals irradiated by fast electrons. V. V. Makarov, M. N. Peliyev. Fiz. tver. tela 8 no. 11:3393-3394 N '66.

## SILICON CRYSTALS—DEFECTS

Photoelectric state in silicon with radiation defects. A. B. Gotsimov and others. Fiz. tver. tela 8 no. 11: 3226-3231 N '66.

## SILICON CRYSTALS—ELECTRIC PROPERTIES

Effect of uniaxial compression on discontinuity conduction in p-Si. B. G. Zhurkin, I. V. Kucherenko, N. A. Penin. Fiz. tver. tela 8 no. 11:3445-3447 N '66.

## SILICON CRYSTALS—OPTICAL PROPERTIES

Optical centering in single-crystal silicon. M. I. Iglitsyn, G. P. Kekeidze. Soob. AN Gruz. SSR. 44 no. 3:563-569 D '66.

## SILICON CRYSTALS, EFFECT OF RADIATION ON

Annealing of impurity bands of recombination radiation in silicon irradiated with  $\gamma$ -quanta. A. V. Iukhovich, V. D. Tkachev, M. V. Botnik. Fiz. tver. tela 8 no. 11: 3213-3217 N '66.

Effect of X-rays on the electrophysical properties of silicon and its p-n-junctions. Part 1. M. A. Krayov, G. I. Potakhova. Izv. vyz. ucheb. zav., fiz. 9 no. 6:55-61 '66.

## SILICON DIODES

Bykov, E. I. [Silicon power rectifiers] Silovye kremlevye vypryamiteli. Moskva, Energiya, 1966. 96 p. (Biblioteka elektronika, no. 210)

SILICON-GOLD ALLOYS see Gold-silicon alloys

SILICON-IRON ALLOYS see Iron-silicon alloys

SILICON ORGANIC COMPOUNDS see Organosilicon compounds

## SILICON OXIDE

New density modification of silicon oxide. S. M. Stishov, S. V. Popova. Geokhimiya no. 10:937-939 '61.

## SILKWORM BREEDING

Kovalev, P. A., and A. A. Shevelova. [Egg production and breeding of mulberry silkworms] Grenazh i selektsiya iutovogo shkolopriada. Tashkent, Uchitel', 1966. 190 p. (DNL)

## SILKWORMS

Growth of mulberry silkworm caterpillars as affected by some antibiotics. V. O. Kolybin. Dop. AN URSSR no. 7:992-995 '62.

Relationship between radiobiological effect and incubation of silkworm eggs. I. A. G. Akhalaf, Soob. AN Gruz. SSR. 44 no. 3:727-734 D '66.

## SILKWORMS—DISEASES

Primary structure of nuclear polyhedrosis virus protein of silkworm. Part 3: C-terminal sequence of amino acids in polyhedral protein. F. A. Kozlov and others. Ukr. khim. zhur. 32 no. 11:1206-1210 '66.

SILLIMANITE see subdivision under Dnieper Valley

SILOS—DESIGN AND CONSTRUCTION see subdivision under Poland

## SILOXANES

Lubricating properties of polymethylchlorophenylsiloxanes. T. V. Koroleva and others. Plast. massy no. 1:22-26 '67.

Mechanism of polydimethylsiloxane thermal stabilization by titanium and iron compounds. S. R. Rafikov and others. Dokl. AN SSSR 171 no. 6:1352-1354 D '66.

Polymerization of siloxanes on metal surface under the effect of glow discharge. R. V. Tkachuk, V. V. Bushin, N. P. Smotankina. Ukr. khim. zhur. 32 no. 11:1256-1257 '66.

Splitting off of phenyl groups in methylphenylsiloxanes under the effect of hydrochloric acid. A. G. Kuznetsova, V. I. Ivanov, G. G. Pchelintseva. Plast. massy no. 1:25-26 '67.

SILT—MICROBIOLOGY see subdivision under Karolan Island

## SILVER

Geochemical association of indium with silver in zinc-silver-lead deposits. S. T. Badalov. Geokhimiya no. 10: 907-910 '61.

Silver as a geochemical indicator in searching for epithermal gold deposits in Kamchatka. A. I. Serezhnikov. Vop. geog. Kamch. no. 4:105-107 '66.

## SILVER CHLORIDE CRYSTALS

Use of Mossbauer's method in studying state of lithium in AgCl single crystals. A. N. Murin and others. Fiz. tver. tela 8 no. 11:3201-3204 N '66.

## SILVER CRYSTALS—GROWTH

Effect of surface-active substances on the rate of growth of silver single crystals in the process of electrolysis. M. S. Zubov, A. T. Vagramian. Elektr. khimiya 2 no. 12:1425-1430 D '66.

SILVER ELECTRODES see Electrodes, Silver

## SILVER OXIDE CRYSTALS—SPECTRA

Excitons in Ag<sub>2</sub>O crystals. E. F. Gross, F. I. Krefel'd, P. I. Ved, Zhur. eksper. i teoret. fiz. 1 no. 10:418-422 N '66.

## SILVER-PALLADIUM-CADMIUM ALLOYS—ELECTRIC PROPERTIES

Properties of silver alloys with small additions of palladium and cadmium. N. L. Pravoverov, I. A. Trubinskaya. Izv. AN SSSR. Met. no. 1:156-159 Ja-F '67.

## SIMAZINE

Simazine in weed control in forest nurseries and forest plantations. E. A. Ivanov. Trudy Ser. sel'khoz. inst. 15 no. 3:33-34 '65.

## SIMFEROPOL—CORN (MAIZE)

Drying and threshing of corn at the branch centers of the Simferopol' grain milling combine V. Babel'. Muk.-elev. prom. 26 no. 3:22-23 My-Je '60.

## SIMFEROPOL—LIBRARIES AND READERS

Parting words addressed to our selectees. G. Demidenko. Bibliotekar' 41 no. 2:22 '67.

## SIMFEROPOL—MOTORBUS LINES

This is within any driver's power. N. Voltanik. Avi. transp. 40 no. 6:7-8 Jo '62.

## SIMFEROPOL—PLANTS, ORNAMENTAL

Ornamental trees and shrubs of the city of Simferopol. G. V. Volnov. Izv. Krym. old. Geog. ob-va no. 6:88-105 '61.

## SIMFEROPOL' DISTRICT—ANTIQUITIES

Stone with cut lines from the Denisovka village, Simferopol' District. A. A. Shchepinskii. Izv. Krym. old. Geog. ob-va no. 6:211-213 '61.

## SIMFEROPOL' RESERVOIR

Myerophytes of the waters in the mountainous and submontane parts of the basins of the Salgin River and the Simferopol' Reservoir. P. M. Kirilitskiy. Izv. Krym. old. Geog. ob-va no. 6:139-152 '61.

## SIMILITUDE, THEORY OF

Applying the theory of similitude to the electronic processes in p-n-junctions. V. S. Cherepanov, K. M. Kul'kin. Izv. vyz. ucheb. zav.; fiz. 8 no. 6:40-44 '66.

Grigor'ev, L. G. [Simulation and the technical sciences] Modelirovaniye i tekhnicheskie nauki. Moskva, Znanie, 1967. 82 p. (Novoe v zhizni, nauke, tekhnike. IV Seriya: Tekhnika, no. 1)

## SIMON, MODEST OSTAPOVICH, 1903-

60th birthday of Corresponding Member of the All-Union Academy of Agricultural Sciences Modest Ostapovich Simon. D. Grudov. Vest. sel'khoz. nauk 11 no. 126-127 D '66.

## SIMONOV, KONSTANTIN MIKHAILOVICH, 1915-

Military and patriotic themes in the novels of K. Simonov. N. P. Kharitonova. Vech. sred. shkola 9 no. 5:73-76 S-O '66.

## SIMONOV, MIKHAIL ZAKHAR'EVICH, 1906-

Sixtieth birthday of M. Z. Simonov. Bot. i zhel. - bot. 12 no. 11:21 N '66.

## SIMULATION METHODS

Kul'kina, L. A., and G. A. Ososkov. [Use of histograms in statistical modeling] Ob ispol'zovanii histogramm pri statisticheskoy modelirovani. Dubna, 1967. 21 p.

Use of systems of viscoelastic models for studying processes of deformation of materials. V. O. Kuz'menko. Dop. AN URSSR no. 12:1541-1544 '66.

## SINTERING

(see also subdivision under Krivoy Rog Basin)

Production and use of fluxed manganese sinter. E. P. Lyskov and others. Stal' 22 no. 5:394-395 My '62.

Sintering ceramic metal structural materials by high-frequency currents. N. V. Nikitina. Porosh. met. 6 no. 12:15-20 D '66.

Sulfur oxidation by magnetite, hematite and carbon dioxide. G. M. Komissarov, I. S. Kul'kov. Izv. vyz. ucheb. zav., chem. met. 10 no. 1:24-28 '67.

Technology of producing high basicity sinter. V. I. Miller and others. Stal' 21 no. 11:953-967 N '61.



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**SOILS—POTASSIUM CONTENT** see subdivision under Caucasus

**SOILS—RADIUM CONTENT** see subdivision under Caucasus

#### SOILS—RARE EARTH CONTENT

Rare-earth elements, yttrium, and thorium in biosphere and soils. G. E. Pashneva, T. P. Slavnina, V. V. Serebrennikov. *Trudy TGU* 185 44-50 '65.

#### SOILS—SPECTRA

Using method of infrared spectroscopy combined with other physicochemical methods in mineralogical analysis of clays and soils. A. I. Bol'dyshev. *Min. sbor* 20 no. 196-101 '66.

#### SOILS—TESTING

Group of instruments and apparatus with program control for studying soils. I. I. Bol'shchikov, P. N. Makaruk, I. I. Vinokurov. *Osn., fund. i mekh. grun* 8 no. 5 30-41 '66.

#### SOILS—THORIUM CONTENT

(see also subdivision under Caucasus)

Rare-earth elements, yttrium, and thorium in biosphere and soils. G. E. Pashneva, T. P. Slavnina, V. V. Serebrennikov. *Trudy TGU* 185 44-50 '65.

**SOILS—TITANIUM CONTENT** see subdivision under Yaroslavl Province

**SOILS—TRACE ELEMENT CONTENT** see subdivision under Kemerovo Province

#### SOILS, RADIOACTIVE SUBSTANCES IN

Relationship between adsorption and diffusion rate of microgram quantities of strontium in soil. V. M. Frokhov, A. S. Fild. *Radiofizika* no. 6:605-606 '66.

Studying the sorption of long-lived fission products by soils and clay minerals. I. U. A. Kokotov, R. F. Popova, A. P. Ulanuk. *Izvl. nauch.-tekhn. inform. po agr. on. iz.* no. 8/9:17-51 '60.

#### SOILS, SALT IN

(see also subdivision under Golodnaya Steppe)

Methods in the study of soil salinity. A. Gatalin. *Shtetn. i protv.* 10 no. 12:35-37 '66.

#### SOILS AND CLIMATE

Effect of unfavorable climatic conditions on microflora of soils of different cultivation degrees. P. P. Rahavol, V. P. Ikhavala. *Vest. AN BSSR, Ser. biol. nav.* no. 1: 55-66 '67.

**SOLOV, NIKOLAI IL'ICH, 1907-1960**

Nikolai Il'ich Solov; obituary. G. A. Maksimovich. *Peshchury* no. 2 115-116 '62.

**SOLOV, VLADIMIR**

The unexpected discovery came... Igor' Volgin. *Obituary* 43 no. 12 181-185 '66.

**SOLOVKA (KAZAKHSTAN)—IRON MINES AND MINING**

May the combine get stronger and may it advance! Z. Gol'dman. *Agilator* 31 no. 3:46-18 '67.

**SOKUR VALLEY—WELLS**

Harmful effect of clay mud in core drilling for water. I. S. Rusanov. *Razved. i okh. ned.* 26 no. 3:10-22 '66.

#### SOLAR FLARES

Results of a spectrophotometric study of the chromosphere flare of June 25, 1960 II. *Izv. AN Azerb. SSR, Ser. fiz.-tekhn. i mat. nauk.* no. 4:106-103 '66.

#### SOLAR PLEXUS—DISEASES

Solar syndrome in the clinical aspects of coronary insufficiency. V. D. Tishin. *Sov. med.* 20 no. 10 89-93 '66.

#### SOLAR RADIATION

(see also subdivision under Baikal Lake region, Bol'shoy Ushkanly Island, Kamcharka, Turkmenistan)

Completeness of the utilization of the radiation energy by the geographical environment. V. R. Volobuev. *Trudy Azerb. geog. ob-va* 3:15-25 '66.

#### SOLAR RADIATION—OBSERVATIONS

Solar radiation and radiation balance data. Sol. rad. i rad. bal. N-D '65, publ. 1966.

**SOLAR SPECTRUM** see Spectrum, Solar

#### SOLDIERS

He does not search for rest. L. Shapa. *Sov. voyn* 43 no. 24:6-9 '61.

**SOLENAYA VALLEY (UKRAINE)—HORNBLENDE—ANALYSIS**

Variations in composition of hornblendes from metabasite formation of Chertomlyk-Solenaya region. V. L. Bolko. *Min. sbor.* 20 no. 22:47-250 '66.

#### SOLID HELIUM

Equation of state of solid helium at high pressures. V. P. Trubilayn. *Fiz. tver. tela* 8 no. 11:3241-3247 '66.

**SOLID SOLUTIONS** see Solutions, Solid

#### SOLIDS, EFFECT OF RADIATION ON

Relation between the inside temperatures of bodies heated by radiation. V. V. Ivanov, V. V. Salomatov. *Izv. vys. ucheb. zav.* no. 9 no. 6:45-49 '66.

#### SOLIGORSK—SALTS

Effect of microelements of Soligorsk salts on photosynthesis and development of potatoes. M. M. Hancharyk, M. U. Shalents'eva, L. M. Darozhina. *Vest. AN BSSR, Ser. biol. nav.* no. 4:5-10 '66.

**SOLODOVNIKOVA, LIDIA LEONIDOVNA, 1890-1960**

In memory of Lidia Leonidovna Solodovnikova. *Zap. Vses. min. ob-va* 90 no. 1:118-120 '61.

#### SOLONCHAK SOILS

(see also subdivision under Tajikistan, Terik Dells)

Corrosion of steel pipelines in Solonchak soils and their protection by polymeric materials. V. F. Negreev, G. A. Alakhverdiyev, Sh. G. Mekhlava. *Trudy Inst. khim. AN Azerb. SSR* 20:94-108 '64.

Study of the aging of plastics in Solonchak soils. V. F. Negreev, G. A. Alakhverdiyev. *Trudy Inst. khim. AN Azerb. SSR* 20:109-126 '64.

Study of the potentials of steel and corrosion cells formed in Solonchak soils. G. A. Alakhverdiyev, I. U. G. Samedov. *Trudy Inst. khim. AN Azerb. SSR* 20:138-149 '64.

#### SOLONETZ SOILS

(see also subdivision under Siberia, Western; Tselinograd Province, Yergeni Hills)

By the method of establishing meadows. V. Isakov. *Zemledelie* 20 no. 1:21-22 Ja '67.

Effective means. M. Tsyganov, A. Tsurikov. *Zemledelie* 20 no. 1:2-14 Ja '67.

From experiments to larger areas. I. Silko. *Zemledelie* 20 no. 1:23-24 Ja '67.

Inexpensive hay, good pastures. D. Adilbekov. *Zemledelie* 20 no. 1:24-25 Ja '67.

No more unproductive lands. S. Veselyi. *Zemledelie* 20 no. 1:26-27 Ja '67.

Reclaiming Solonetz soils. K. Pak. *Zemledelie* 20 no. 1:18-11 Ja '67.

Root system of the plants of natural phytocenosis in penoplain Solonetz soils. T. A. Anarukulov, I. O. Bahtulin, N. M. Mukhitdinov. *Vest. sol'khoz, nauki [Kazakh.]* 10 no. 1:17-25 Ja '67.

#### SOLUBILITY

Kinetics of supersaturation in aqueous suspensions of titanium aluminate and the determination of its metastable solubility [with summary in English]. I. S. Solov'eva, E. E. Segalova. *Koll. zhur* 23 no. 3:306-314 My-Je '61.

Studying the solubilizing capacity of some synthetic surface active agents. B. M. Blovskii, I. V. Ulianov. *Mash. zhit. prom.* 32 no. 11:24-26 N '66.

#### SOLUBLE GLASS

Kinetics of dissolution of glasses of the As - Te - Ge system in alkaline solutions. V. R. Panus, Z. U. Borisova, O. V. Ilyinskaya. *Vest. LGU* 21 no. 22:152-154 '66.

#### SOLUTION (CHEMISTRY)

Change of the type of singular star of quinary reciprocal systems in the substitution of halides by nitrate ion. V. I. Pospaloko. *Zhur. neorg. khim.* 12 no. 1:216-219 Ja '67.

Interaction between components in ternary nitrate aqueous-salt systems. M. A. Iakimov. *Probl. sovr. khim. kool. seed.* no. 1:35-150 '66.

Kinetics of dissolution of uranium trioxide. Part I. Equations for specific rate of dissolution of substances of various shapes. E. A. Kanevskii. *Radiofizika* no. 6: 664-670 '66.

Retentional isomerism in solutions and the mechanism of depressor action. M. I. Shakhmatov. *Dokl. AN SSSR* 167 no. 2:388-390 Mr '66.

#### SOLUTION (CHEMISTRY)—THERMODYNAMICS

Solubility of nonelectrolytes in D<sub>2</sub>O and water structure. V. M. Volovenko, I. V. Gurikov, E. E. Login. *Dokl. AN SSSR* 172 no. 1:126-129 Ja '67.

#### SOLUTIONS (PHARMACY)

Stability of novobiocin in aqueous solutions. G. S. Libin, K. I. Sarkova. *Antibiotiki* 12 no. 1:8-10 Ja '67.

#### SOLUTIONS, SOLID

Changes in the solubility of chromium and BrK<sub>2</sub>O, 5 chromium bronze depending on heat treatment. D. G. Butomo, N. I. Zedin. *Tsvet. met.* 33 no. 3:62-68 Mr '60.

Conditions of formation of solid solutions in binary systems consisting of alkali metal nitrates. R. G. Samuseva, V. E. Plushchev. *Zhur. neorg. khim.* 12 no. 1:220-222 Ja '67.

Interpretation of isomeric shifts of  $\gamma$ -radiation from <sup>110</sup>Sb and <sup>197</sup>Au impurity nuclei in metallic solid solutions. N. N. Dellagin. *Fiz. tver. tela* 8 no. 11:3426-3428 N '66.

Phase equilibrium and mechanism of reduction of solid solutions of the spinel type in the system: Mg - Al - Cr - Fe - O. I. U. A. Korneev, V. F. Balakirev, G. I. Chufarov. *Izv. AN SSSR Met.* no. 187-91 Ja-F '67.

#### SOLUTIONS, SOLID—THERMODYNAMICS

Thermodynamic study of the system K<sub>2</sub>H<sub>2</sub>PO<sub>4</sub> - NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> - H<sub>2</sub>O at 25°C. Part 2. Composition of coexisting phases in the system K<sub>2</sub>H<sub>2</sub>PO<sub>4</sub> - NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> - H<sub>2</sub>O and the thermodynamic properties of solid solutions K<sub>2</sub>H<sub>2</sub>PO<sub>4</sub> - NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> at 25°C. S. A. Simanova, M. M. Shul'tin. *Vest. LGU* 21 no. 22 85-92 '66.

#### SOLVATION

Influence of temperature on the correlation of solvatochromic effect and rate constants of hydrogenation of some nitrobenzene derivatives. A. V. Finkel'shtein, Z. M. Kuz'mina. *Dokl. AN SSSR* 171 no. 4:815-818 D '66.

#### SOLVENTS

Action mechanism of selective solvents in extraction of lube stock. A. Z. Bikkulov. *Netpecr. i neftekhim.* no. 8: 8-12 '66.

Differentiating action of solvents and separation coefficients during extraction. L. M. Gladin, B. I. Peshchevitskii, V. L. Khifets. *Dokl. AN SSSR* 172 no. 3:633-636 Ja '67.

Extraction of complex acids with oxygen-containing solvents. Part 2: Extraction of polonium, bismuth, and lead with ketones, ethers, and esters. B. Z. Iofa, A. S. Ushchenko. *Radiofizika* no. 6:707-709 '66.

Extraction of rhodium of sulfuric acid solutions by organic solvents. A. N. Zelikman, L. Dregan. *Zhur. neorg. khim.* 12 no. 1:261-268 Ja '67.

Properties of sulfuric acid as solvent. B. D. Berezin. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 9 no. 5 717-723 '66.

State of phenylpyridine in organic solvents. B. D. Berezin, G. I. Smirnova. *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 9 no. 5:748-754 '66.

#### SOLVENTS—DENSITY

Coordination numbers of weak electrolytes as dependent on the density of H<sub>2</sub>O solvent. M. A. Strykovich, O. I. Matynova, E. I. Mingul'ta. *Dokl. AN SSSR* 171 no. 1. 911-914 D '66.

#### SONAR

Equipment for surveying underground chambers. V. B. Ananovich. *Izv. vys. ucheb. zav., gor. zhut.* 8 no. 8 32-49 '65.

#### SONAR IN FISHING

Fish distribution forms and their recording by hydroacoustical devices. K. I. Iudinov. *Trudy VNIRO* 60: 173-188 '66.

Preference of high-frequency sonars for fishing. E. V. Shishkova. *Ryb. khoz.* 43 no. 1:40-42 '67.

"Simrad" EN-2V sonar. A. A. Gant'kov. *Ryb. khoz.* 43 no. 1:43-44 '67.

#### SORBENTS

Role of adsorption and wetting-layers of micro additions of organic substances in the caking of coal. E. N. Loskutova. *Trudy khim.-met. inst. Sib. otd. AN SSSR* no. 16 7-17 '61.

Sorption of uranium by natural sorbents. Part 2. Sorption of uranium nitrosulfoxide complexes. N. M. Sinit'syn, F. I. A. Rovinskii, V. V. Ispravnikova. *Radiofizika* no. 6:692-695 '66.

#### SORBIC ACID

Preservation of bread with sorbic acid. V. V. Shcherbakov and others. *Khib. i kond. prom.* 11 no. 1:17-19 Ja '67.

#### SORGHUM

Growth and development of sorgho plant under the effect of a short day. F. S. Istrekhov, V. S. Tsubul'ko. *Vest. sol'khoz, nauki* 11 no. 11:40-44 '66.

**SORGHUM—DISEASES AND PESTS** see subdivision under Ukraine

#### SORPTION

Effect of freezing on sorption characteristics of iron hydroxide and manganese dioxide. V. V. Vol'khin, V. L. Zolotarev. *Zhur. prikl. khim.* 31 no. 6 1218-1225 Je '61.

Sorption activity and porous structure of coprecipitated gels of silicic acid and iron hydroxide. G. A. Popkovich, N. F. Ermolenko. *Dokl. AN BSSR* 10 no. 11:664-668 N '66.

Sorption of organomercury compounds in a multistage adsorber having fluidized beds of activated carbon. I. F. Zamskov, A. S. Stepanov, V. I. Gnezdov. *Zhur. prikl. khim.* 34 no. 6 1354-1356 Ja '61.

Thermal method for measuring the dynamics of the adsorption and desorption of moisture by silica gel. I. P. Lychnik, Z. M. Ritov, O. M. Todes. *Zhur. prikl. khim.* 34 no. 6 1225-1231 Je '61.

#### SORTING DEVICES

Algorithm for external sorting. V. A. Litvinov. *Kibernetika* no. 5 83-88 S-O '66.



## SOUND—MEASUREMENT

Measurement of coefficient of sound reflection from ocean bottom V. I. Volovoy, IU IU, Zhilovskii Okeanologia 6 no 6 1986-1988 '66

## SOUND—PHYSIOLOGICAL EFFECT

Dynamics of conditioned reflex changes in the electroencephalogram due to multiple combinations of sound with rhythmic light stimuli G. N. Boldyeva, V. S. Rusinov, Zhur. vys. nerv. deiat. 12 no 6 1911-1920 N-D '62

## SOUND—TRANSMISSION

Method for studying the occlusive effect in bone conduction LA S. Temkin, Zhur. ush., nos i goi. bol. 19 no 4 27-29 Ji-Ag '56

## SOUND WAVES

Magnetoacoustic waves in a rarefied plasma, K. M. Stepanov, Utr. fiz. zhur. 1 no 5 678-679 S-O '59

## SOUND WAVES—INDUSTRIAL APPLICATIONS

Controlling pin fit tightness by acoustical impedance methods S. L. Naumov, V. V. Cherniak, Defektoskopia 2 no 6 67-69 '66

## SOUND WAVES—SPEED

Effect of strain on sound velocity in polymeric fibers O. Z. Holyk, M. IU Kuchvka, Utr. fiz. zhur. 11 no 12 1364-1372 D '66

Interrelation between the thermal properties of condensed substances and the propagation velocity of longitudinal sound waves, B. N. Oshcherin, Teplofiz. vys. izm. 4 no 6 621-626 N-D '66

Sound vibrations in dielectrics in external electric fields, L. V. Ioffe, Fiz. tver. tela 8 no 12 3274-3279 N '66

## SOUNDING AND SOUNDINGS

Using absolute amplitude characteristics of waves for tuning of apparatus in deep seismic sounding operations in sea I. N. Gaikina, Izv. AN SSSR Fiz. zem. 11 no 100-107 '66

## SOUTH AMERICA—ETHNOLOGY

Materials and collections of the Second Russian Expedition to South America, 1914-1915 N. A. Smirnova, Sov. etn. no 6 98-112 N-D '66

## SOUTH CHINA SEA—HYDROPHIDAE

Distribution of sea snakes in South China Sea and eastern Indian Ocean V. P. Shuntov, Zool. zhur. 45 no 12 1882-1886 '66

## SOVIET CENTRAL ASIA—AERONAUTICS IN

### METEOROLOGY

Aerodynamic analysis of bumpiness of Mi-4 helicopters during two flights in piedmont and mountain parts of Central Asia, V. A. Dzhorzhio, M. A. Petrosiants, Trudy GGO no 189 101-109 '66

Aerodynamic characteristics of period of works of Gazil Aerological expedition of Tashkent State University during September 1-25, 1964, N. N. Romanov, Trudy GGO no 189 144-149 '66

Some characteristics of flights of helicopters over deserts of Central Asia in summer, P. A. Vorontsov and others, Trudy GGO no 189 128-143 '66

Summer temperature inversions over desert of Central Asia based on helicopter observations by radiosounding V. A. Volodina, N. N. Romanov, S. A. Chernik, Trudy GGO no 189 163-177 '66

## SOVIET CENTRAL ASIA—AGRICULTURAL GEOGRAPHY—CONGRESSES

Interuniversity conference on the geographical regionalization of Central Asia for agricultural purposes, N. A. Kogal, Izv. Uzb. fil. Geog. ob-va 9 131-133 '66

## SOVIET CENTRAL ASIA—APATITE ANALYSES

Rare and trace elements in phosphorite formations in one of the regions of Central Asia, V. F. Savol'ev, Nauch. trudy TashGU no 234, Geol. nauki no 20 122-127 '64

## SOVIET CENTRAL ASIA—APRICOT

Maps of seasonal development of apricot in Central Asia, N. G. Kherin, Izv. AN Turk. SSR Ser. biol. nauk no 5 3-10 '66

## SOVIET CENTRAL ASIA—ASBESTOS

Genesis of serpentine and chrysotile-asbestos in carbonate rocks, S. T. Badalov, Nauch. trudy TashGU no 234, Geol. nauki no 20 83-88 '64

## SOVIET CENTRAL ASIA—ATMOSPHERIC TEMPERATURE

Summer temperature inversions over desert of Central Asia based on helicopter observations by radiosounding, V. A. Volodina, N. N. Romanov, S. A. Chernik

## SOVIET CENTRAL ASIA—BORON

Supergenic mineralization of boron in skarns of Central Asia, V. D. Chroschenko, Nauch. trudy TashGU no 234, Geol. nauki no 20 117-121 '64

## SOVIET CENTRAL ASIA—BRONZE AGE

Kuz'mina, E. E. [Metallic articles of the Aeneolithic period and the Bronze Age in Central Asia] Metallicheskie izdelia eneolit i bronzovogo veka v Srednei Azii. V sostavlenii svoda primamli uchastie A. A. Marushchenko i dr. Moskva, Nauka, 1986, 149 p. (Archeologia SSSR; svod arheologicheskikh istochnikov, no. B4-8)

## SOVIET CENTRAL ASIA—DINOSAURIA

New data on locations of Dinosauria in Kazakhstan and Central Asia, A. K. Kozhichevskii, Nauch. trudy TashGU no 234, Geol. nauki no 20 227-241 '61

## SOVIET CENTRAL ASIA—DISCOVERY AND EXPLORATION

Recent historicogeographical data on Russian travels to Kokand during the beginning of the 19th century R. L. Ugal, Trudy Inst. ist. i etn. 12 276-286 '62

## SOVIET CENTRAL ASIA—FORESTS AND FORESTRY

In forests of Central Asia N. A. Botadina, V. I. Nekrasov, Priroda no 1 106-110 Ja '67

## SOVIET CENTRAL ASIA—GAS, NATURAL

Natural gases of Central Asia are source of sulfur, A. M. Kluturov, V. E. Naitzhanai, Gaz. prom. 11 no 12 6-8 '66

## SOVIET CENTRAL ASIA—GAS, NATURAL—GEOLOGY

State of oil and gas resources in republics of Central Asia, and basic trends in geological prospecting G. A. Arzhevskii and others, Geol. nefi i gaza 10 no 12 1-6 D '66

## SOVIET CENTRAL ASIA—GLASS MANUFACTURE—CHEMISTRY

Abdunazhova, A. A., and M. A. Bezborodov, [Medieval glass of Central Asia, chemical characteristics] Srednevykovye stekla Srednei Azii; opyt khimicheskoi kharakteristiki, Tashkent, Fan, 1966, 165 p.

## SOVIET CENTRAL ASIA—IRRIGATION FARMING

Fertility and classification problems of the irrigated lands of Central Asia, S. N. Ryzhov, K. B. Saakiantse, Nauch. trudy TashGU no 210 187-196 '62

## SOVIET CENTRAL ASIA—LAMELLIBRANCHIATA, FOSSIL

New Cenomanian Trigonoides of Central Asia, R. IU. Muzafarova, Nauch. trudy TashGU no 234, Geol. nauki no 20 212-245 '64

## SOVIET CENTRAL ASIA—METEOROLOGY, AGRICULTURAL—CHARTS, DIAGRAMS, ETC.

Agroclimatic atlas of Central Asia, E. G. Budskii, Izv. Uzb. fil. Geog. ob-va 9 124-127 '66

## SOVIET CENTRAL ASIA—NATIONALITIES

Historical provisions for the origin and development of the friendship among the peoples of Central Asia, Kazakhstan, and the Soviet Union, V. Ia. Nepomudin, Trudy TashGU no 278 110-125 '66

## SOVIET CENTRAL ASIA—NOMADS

The seminomadic population in the history of Central Asia and Kazakhstan T. A. Zhdanko, Sov. etn. no 2 53-62 Mr-Apr '61

## SOVIET CENTRAL ASIA—PETROLEUM GEOLOGY

State of oil and gas resources in republics of Central Asia, and basic trends in geological prospecting, G. A. Arzhevskii and others, Geol. nefi i gaza 10 no 12 1-6 D '66

## SOVIET CENTRAL ASIA—PHENACITE

Find of phenacite in pegmatites of Central Asia, K. M. Kirsanskaja, Nauch. trudy TashGU no 234, Geol. nauki no 20 111-116 '64

## SOVIET CENTRAL ASIA—PLANT LIFE

New species of plant life (Homoptera, Aphidinea) from mountain districts of Central Asia, Sh. A. Umarov, Izv. Old. biol. nauk, AN Tadzh. SSR, no 4 67-81 '66

## SOVIET CENTRAL ASIA—RUSSIANS

Perepeltayna, L. A. [Role of Russian culture in the development of the culture of the peoples of Central Asia] Rol' russkoi kul'tury v razviti kul'tur narodov Srednei Azii, Moskva, Nauka, 1986, 122 p.

## SOVIET CENTRAL ASIA—SERPENTINE

Genesis of serpentine and chrysotile-asbestos in carbonate rocks, S. T. Badalov, Nauch. trudy TashGU no 234, Geol. nauki no 20 83-88 '64

## SOVIET CENTRAL ASIA—SOCIAL CONDITIONS

Perepeltayna, L. A. [Role of Russian culture in the development of the culture of the peoples of Central Asia] Rol' russkoi kul'tury v razviti kul'tur narodov Srednei Azii, Moskva, Nauka, 1986, 122 p.

## SOVIET CENTRAL ASIA—SOILS

Fertility and classification problems of the irrigated lands of Central Asia, S. N. Ryzhov, K. B. Saakiantse, Nauch. trudy TashGU no 210 187-196 '62

## SOVIET FAR EAST—COMMUNICABLE DISEASES—PREVENTION

Prevention of natural foci diseases with respect to the development of new areas of Siberia and Far East, S. P. Karpov, Zhur. mikrobiol., epid. i immun. 44 no 1 79-83 Ja '67

## SOVIET FAR EAST—CONSTRUCTION INDUSTRY

Region of new constructions, G. Bafakin, Na strof. Roa, 4 no 3 7 Mr '63

## SOVIET FAR EAST—FISHERIES—ECONOMIC ASPECTS

Some characteristics of economic reform in fishing industry B. M. Gribatenko, Ryb. khoz. 13 no 1 75-76 '67

## SOVIET FAR EAST—GOLD ORES

Concerning the origin of gold ores in the northeastern part of the U. S. S. R., A. A. Koz'yak, Inform. list. NIIGV no 15 79-81 '69

## SOVIET FAR EAST—HISTORY

Laiichev, V. E. [Secret of a stone burial, a documentary tale about an archaeological study] Tajna kamennoi chmepakh, dokumental'naya povest' ob odnom arheologicheskoi poiske [Novosibirsk] Zapadno-Sibirskoe knizhnoe izd-vo, 1966, 260 p.

## SOVIET FAR EAST—HYDATIDS

Distribution of trichinosis and alveococcosis (alveolar echinococcosis) in rodents of the Far East, I. V. Nadtchil, A. K. Tsimbaluk, V. S. Surkov, Med. pri. raz. i paraz. bol. 35 no 6 733-731 N-D '66

## SOVIET FAR EAST—PLOWING

Plowing depth for the virgin tuff-Podzolic soils of the Far East, A. I. Fyodorchenkov, Zemledelie 8 no 1 25-30 Ap '60

## SOVIET FAR EAST—PODZOL

Plowing depth for the virgin tuff-Podzolic soils of the Far East, A. I. Fyodorchenkov, Zemledelie 8 no 1 25-30 Ap '60

## SOVIET FAR EAST—REFRIGERATOR SHIPS

Refrigerator fleet management possibilities in the Far East, V. S. Egorov, N. I. Savin, Ryb. khoz. 43 no 1 71-72 '67

## SOVIET FAR EAST—REVOLUTION, 1917-1921

Shoreshevskii, B. M. [The defeat of Semenov units, April-November 1920; role of the Far East Republic in the struggle for the elimination of the "Chita block" and the unification of the Far East] Razgrom semenovshchiny (aprel'-noyabr' 1920 g.), o roli Dal'nostochnoi respubliki v bor'be za likvidatsiu "Chitinskoi blokadi" i ob'edinenie Dal'nego Vostoka Novosibirsk, Nauka, 1986, 238 p.

## SOVIET FAR EAST—RODENTS—DISEASES AND PESTS

Distribution of trichinosis and alveococcosis (alveolar echinococcosis) in rodents of the Far East, I. V. Nadtchil, A. K. Tsimbaluk, V. S. Surkov, Med. pri. raz. i paraz. bol. 35 no 6 733-734 N-D '66

## SOVIET UNION see Russia

## SOVIETS

(see also subdivision under Siberia, Western)

Gabichidze, B. N., and I. F. Rukko, [Local Soviets and the inculcation of the socialist understanding of law in workers] Mestnye Sovety i vospitanie sotsialisticheskogo pravosoznaniia trudnashchiksl, [Rostov-na-Donu] Izd-vo Rostovskogo univ., 1964, 74 p.

Soviets of workers' deputies as a dialectical unity of governmental and public service organizations, Sh. A. Vasilik, Vest. LGU 21 no 2 194-99 '66

A women's soviet of a garrison, N. Rogozhin, Gzash. i. av. 12 no 10 21 O '65

## SOVIETS—FINANCE

Consolidation of the economic foundation of the Soviets, 1920-1932, Z. B. Shikhlinskii, Izv. AN Azerb. SSR, Ser. ist., filol. i prava no 3 21-30 '66

## SOWING

Studying the power expenditure of the process of sowing thick-stalked plants, N. V. Tudei, V. M. Vekhuashvili, Trakt. i sel'khoz. mash. no 1 25-28 Ja '67

## SOWS see subdivision under Alma-Ata Province

## SOWS—PHYSIOLOGY

Determining water requirement by brood sows in relation to its physiology, A. IU. Kozhachukova, Trudy Inst. fiziol. AN Kazakh. SSR 10 100-101 '66

## SOYBEAN see subdivision under Amur Province

## SOYBEAN—DRYING

Effect of drying in a "boiling" layer on the quality of soybeans and their oil, V. M. Kopeikovskii and others, Masl. zhur. prom. 33 no 1 11-12 Ja '67

Oxidative processes taking place in soybeans during drying in a compact and in a "boiling" layer, V. M. Kopeikovskii, L. A. Kashevatkina, Masl. zhur. prom. 32 no 1 15-16 N '66

## SOYBEAN—MOISTURE

Permissible moisture content of soybeans during storage, V. M. Kopeikovskii, L. A. Kashevatkina, Masl. zhur. prom. 32 no 10 23-25 O '66

## SOYBEAN—STORAGE

Permissible moisture content of soybeans during storage, V. M. Kopeikovskii, L. A. Kashevatkina, Masl. zhur. prom. 32 no 10 23-25 O '66

**BOYDEAN—WATER REQUIREMENTS** see subdivision under Kazakhstan

**SPACE ARRANGEMENT OF PLANTS** see Plants, Space arrangement of

#### SPACE BIOLOGY—CONGRESSES

Ninth session of COSPAR, A. A. Imshenetski. Miki obilozhka 35 no. 6:107-110 N-D '66

#### SPACE FLIGHT

New Year, cosmic year. G. Titov. Av. i kosm. no. 1: 9-12 Ja '67.  
Space roads of mankind. A. M. Genin. Av. i kosm. no. 1: 65 Ja '67.

#### SPACE FLIGHT—PHYSIOLOGICAL EFFECT

Physiological measurements in space flights. R. M. Baevskii. Priroda no. 1:66-72 Ja '67.

#### SPACE FLIGHT TRAINING

Mechanic is the future profession of an astronaut. A. Nikolov. Av. i kosm. no. 2:45-47 F '67.

#### SPACE LAW

Legal forms of the international cooperation of the U.S.S.R. in the peaceful exploitation of outer space. V. S. Veshchelin. Sov. gos. i pravo no. 1:60-73 Ja '67.  
Treaty on principles governing the activities of states in the exploration and use of outer space, including the moon and other celestial bodies. Nov. vsem. 25 no. 6: 37-10 F '67.

#### SPACE MEDICINE

Interaction of analysts during flight in airplanes and spacecrafts. V. V. Baranovskii, M. D. Emel'ianov, A. G. Kuznetsov. Zhur. vys. nerv. dejat. 12 no. 6:1001-1010 N-D '62.

#### SPACE VEHICLES

On the theory of "nigoidal" motions. I. U. M. Svirzhev. Prikl. mat. i mekh. 30 no. 6:1107-1111 N-D '66.

#### SPACES, GENERALIZED

A class of correspondences between affine spaces. V. V. Ryzhkov. Trudy TGU 181:19-23 '65.  
Green's functions of Riemann spaces. M. D. Martynenko. Dop. AN URSSR no. 12:1525-1527 '66.

Quasi-norm-Euclidean spaces over an algebra of real matrices. S. S. Kasymova. Izv. AN Azerb. SSR. Ser. fiz.-tekh. i mat. nauk no. 4:16-22 '66.

#### SPAIN—POLITICS AND GOVERNMENT

The struggle in Spain is increasing. Jesus Sals. Agitator 34 no. 3:50-52 F '67.

**SPANISH AMERICA** see Latin America

#### SPANISH BROOM

Extraction of oil from the flowers of *Spartium junceum* L. N. L. Gurvich, Z. I. Abasova. Masl. -zhir. prom. 33 no. 1:21-29 Ja '67.

**SPARKLING WINES** see subdivision under Erivan

#### SPASMS

Characteristics of the biopotentials of the anterior spinal roots in postischemic apoplexy. V. P. Lobedev. Fiziol. zhur. 49 no. 3:322-329 Mr '63.

Problem of facial homiaspasm. L. M. Zakharova. Trudy Turk. nauch. -issl. inst. khim., kur. i fiz. metod. lech. 8:119-125 '65.

Segmental spasm in ruptures of cerebral aneurysms. B. M. Nikiforov. Vest. rent. i rad. 11 no. 6:50-56 N-D '66.

#### SPECTROMETRY

Method of studying irregular changes in path difference in Fourier spectrometry. P. F. Parshin. Zhur. prikl. spekt. 5 no. 5:660-673 N '66.

#### SPECTROPHOTOMETRY

Application of magnesium oxide in spectrophotometry. V. N. Vyshnevskiy. Ukr. fiz. zhur. 4 no. 5:620-633 S-O '69.

Determining hydro-optical characteristics on basis of measuring coefficients of spectral brightness of sea from airplane. I. V. Semenchko. Okeanologiya 6 no. 6:1073-1080 '66.

Results of a spectrophotometric study of the chromosphere flare of June 26, 1969 II. Izv. AN Azerb. SSR. Ser. fiz.-tekh. i mat. nauk no. 4:96-103 '66.

Some conditions of spectrophotometric determination of the activity of succinic dehydrogenase and cytochrome oxidase in mitochondria of the brain. G. P. Guldova, I. N. Sorokina. Biol. eksp. biol. i med. 63 no. 1:41-44 Ja '67.

Spectrophotometric determination of hydroxy numbers of oxidation products of paraffin hydrocarbons. B. P. Kotelnikov, Z. A. Prokhorova, N. T. Gernshteyn, Trudy NIISZHMISa no. 2:85-90 '61.

Spectrophotometric determination of relative content of primary and secondary higher aliphatic alcohols in their mixture obtained by oxidation of synthine. B. P. Kotelnikov and others. Trudy NIISZHMISa no. 2: 89-92 '61.

Spectrophotometric determination of the humus content of soil. D. S. Orlov, N. M. Grindel'. Pochvovedenie no. 1:122-122 Ja '67.

Spectrophotometric study of Nova Her 1063. Part I. V. T. Doroshenko. Astrofizika 2 no. 4:451-466 D '66.

Spectrophotometric study of SS Cyg. R. A. Bartala. Astrofizika 2 no. 4:467-483 D '66.

Spectrophotometric study of the interaction of cerium ions with methylene blue in alkaline medium. A. A. Kachan, V. A. Protsenko. Zhur. neorg. khim. 12 no. 1:156-159 Ja '67.

Spectrophotometry of the unusual solar prominence of July 2, 1958. O. A. Melnikov, S. S. Zhuravlev, I. A. Aslanov. Trudy Shani astrofiz. obser. 3:40-62 '64.

Stability of citrate and oxalate complexes of scandium. V. N. Kumok, N. A. Skorik, V. V. Serebrennikov. Trudy TGU 185:126-131 '65.

#### SPECTROPOLARIMETRY

Use of spectropolarimetry in studying the structure of optically active polymers based on alkyl methacrylates and itaconate. E. I. Klabinovskii and others. Izv. vys. uch. zav. khim. i khim. tekhn. 9 no. 5:823-826 '66.

#### SPECTRUM, INFRARED

Effect of molecules association of rhodamine 6G compounds, containing various anions, on their infrared absorption bands. L. V. Levshin, L. A. Bobkovskaya, T. D. Slavnova. Zhur. prikl. spekt. 5 no. 5:648-651 N '66.

Infrared and microwave absorption in ionic crystals at high power level. V. M. Edin. Pis'ma v red. Zhur. eksp. i teoret. fiz. 4 no. 3:100-103 Ag '66.

Infrared spectroscopic study of the structure-forming properties of polymers. G. L. Maslennikova. Biol. nauch. -tekh. inform. po agron. fiz. no. 8/9:61-69 '66.

Nature of interaction of water with montmorillonite surface. Part I: Study of thermal dehydration of cation-substituted montmorillonite by means of infrared spectroscopy. I. U. L. Tarasovich, F. D. Ovcharenko, Ukr. khim. zhur. 32 no. 11:1168-1176 '66.

Photoconductivity of silicon with Au and Zn admixtures. K. D. Hlyuchuk, A. D. Denysenko, N. M. Lytovchenko. Ukr. fiz. zhur. 11 no. 12:1324-1331 D '66.

Study of the structure of hydrochloric acid hydrate-solvates in tributyl phosphates by means of infrared spectroscopy. E. V. Komarov, M. L. Obukhova, M. F. Pushkinov. Zhur. neorg. khim. 12 no. 1:231-235 Ja '67.

Studying lignin by the method of infrared spectroscopy. I. U. S. Filipchuk and others. Izv. vys. uch. zav. i les. zhur. 9 no. 6:116-118 '65.

#### SPECTRUM, SOLAR

Catalog of shifts, central residual intensities, and equivalent widths of selected Fraunhofer lines. O. A. Melnikov and others. Trudy Shani astrofiz. obser. 3:93-102 '61.

#### SPECTRUM ANALYSIS

Kovalenko, P. N., and K. N. Bagdasarov. [Physicochemical methods of analysis; practical textbook] Fiziko-khimicheskie metody analiza, prakticheskoe rukovodstvo. 2. izd., 1. izd. 1. dop. (Rostov-na-Donu) Izd-vo Rostovskogo univ., 1966, 383 p.

Spectral method for determination of isotopic composition of magnesium. A. G. Zhibitskii, E. N. Fominina. Zhur. prikl. spekt. 5 no. 5:557-561 N '66.

Spectrographic method of determining stability constants of rare earth complexes. N. A. Kostomarov and others. Teoret. i ekspr. khim. 2 no. 5:673-678 S-O '66.

Spectroscopic and probe study of a contracted positive discharge column. Part 2. I. U. B. Golubovskii, I. U. M. Kagan, R. I. Lagushchenko. Opt. i spekt. 21 no. 5: 525-531 N '66.

Spectroscopic study of the behavior of anthraquinone in sulfuric acid and oleum. I. L. Ovcharenko, N. P. Vinogradova. Teoret. i ekspr. khim. 2 no. 5:687-690 S-O '66.

Use of a hot hollow cathode for spectral-isotopic determination of gases in metals. N. A. Zakorina, G. S. Lazeeva, A. A. Petrov. Vest. LGU 21 no. 22:38-40 '66.

#### SPEECH, DISORDERS OF

Disorders of thinking and speech in schizophrenia and their pathophysiological basis. K. I. Koschikareva. Trudy Gos. nauch. -issl. inst. psikh. 20:45-58 '61.

#### SPEED INDICATORS

Small noncontact tachoscope for the actual testing of ships. E. A. Zel'din. Sudostroenie 27 no. 1:63-64 Ja '61.

#### SPEEDOMETERS

Considering nonlinearity in the proportional-plus-integral controller of speed of diesel internal combustion engines. F. F. Saburov. Shor. trud. LIZHT no. 232:87-90 '64.

#### SPEEDOMETERS—TESTING

Speedometer of schetchikov oborotov. Izd. of tsial'moc. Moskva, Izd-vo Standartov, 1964, 26 p.

#### SPERM WHALE

Observations on delivery of sperm whales. A. S. Pavlovskii. Zool. zhur. 45 no. 12:1892-1893 '66.

#### SPHAGNUM

Variability of stemlike leaves in *Sphagnum apiculatum* H. Lindb. Z. A. Sluka. Vest. Mosk. un. Ser. 6: Biol. pochv. 21 no. 5:73-77 S-O '66.

#### SPHALERITE

Morphology of crystals of artificial hydrothermal sphalerite. A. A. Godavikov, A. B. Pitey. Min. shor. 20 no. 4:576-580 '66.

#### SPHYGMOGRAPHY

Clinical evaluation of the readings of temporal high-speed electrospychogram. A. M. Kakhana, S. F. Bilionetskii. Sov. med. 29 no. 10:28-31 O '66.

#### SPILLWAYS

Hydrodynamic loads on scour preventing structures in tail races of spillway dams. G. A. Iuditskii, V. M. Latkher. Trudy Gidrotekhn. no. 13:14-26 '66.

#### SPINAL CORD

Effect of the sympathetic nervous system and adrenaline on the potentials of the dorsal surface of the spinal cord. M. A. Byramova. Fiziol. zhur. 52 no. 11:1701-1710 N '66.

Rapid and slow changes in the potentials of afferent fibers of the dorsal root and spinal cord. T. M. Memonova. Fiziol. zhur. [Ukr.] 12 no. 6:728-737 N-D '66.

Significance of improved trophic state for the regeneration of associative pathways in the spinal cord. T. N. Neamenkova, F. A. Brazovskaya, E. N. Iordanskaya. Fiziol. zhur. 49 no. 3:314-321 Mr '63.

State of potassium and sulfhydryl groups in spinal motoneurons in dogs following reflex stimulation. T. V. Aleinikova, N. B. Taurina, B. I. A. Shulgina. Biol. eksp. biol. i med. 63 no. 1:10-13 Ja '67.

#### SPINAL CORD—DISEASES

Clinical aspects and pathology of ischemic disorders of the spinal cord. Syndrome of swelling of a spinal artery. D. K. Bogodanovskii, R. A. Razorenova, A. N. Krivosheina. Zhur. nevro. i psikh. 62 no. 11:1073-1075 '66.

#### SPINAL CORD—INNERVATION

Contralateral effects on "spontaneous" activity of interstitial spinal cord neurons. S. A. Evdokimov, I. U. N. Zubkov, V. I. Saf'iants. Dokl. AN SSSR 172 no. 1:223-228 Ja '67.

**SPINAL NERVES** see Nerves, Spinal

**SPINDLE TREE** see subdivision under Caucasus

#### SPINE—TUBERCULOSES

X-ray examination of the aorta in tuberculous spondylitis. M. M. Zagorodskaya. Vest. rent. i rad. 11 no. 6:20-23 N-D '66.

#### SPINNING

Causes of periodic unevenness in spinning machines. O. I. Berezina, E. N. Kudanova. Nauch. -issl. trudy TSNKIBI za 1963 g. 430-437.

Effect of the parameters of the drawing process on the unevenness of the processed products. I. U. M. Vinter. Nauch. -issl. trudy TSNILV 21:105-110 '66.

Fiber movement in the real fields of friction forces of the drawing mechanisms. T. I. Berkina. Nauch. -issl. trudy TSNILV 21:36-56 '66.

Method for approximate calculation of the adjustment of automatic evening. A. S. Molchanov. Nauch. -issl. trudy TSNILV 21:78-88 '66.

Some properties of textile slivers. I. U. M. Vinter. Nauch. -issl. trudy TSNILV 22:60-73 '66.

Transformation of the structure and weight irregularity of the product in the drawing process. I. U. M. Vinter. Nauch. -issl. trudy TSNILV 21:98-106 '66.

Transverse breaking of fibers during their movement in the real fields of friction forces of the drawing mechanisms. T. I. Berkina. Nauch. -issl. trudy TSNILV 21:56-75 '66.

Use of switching transistors in the drive systems of automatic evening. A. S. Molchanov, I. A. M. Bobakova, I. U. M. Vinter. Nauch. -issl. trudy TSNILV 22:89-100 '66.

#### SPINNING MACHINERY

Control of the drawing mechanisms under nonstationary conditions of the drawing of textile fibers. A. S. Molchanov, N. I. Kunina. Nauch. -issl. trudy TSNILV 21:22-24 '66.

Dynamics of the controlling channel of drawing mechanisms during fiber deformation in the drawing process. A. S. Molchanov. Nauch. -issl. trudy TSNILV 21:21-29 '66.

Effect of the structure of the spinning cop on the conditions of the unwinding of the yarn. A. I. Borodin. Nauch. -issl. trudy TSNKIBI za 1963 g. 209-230.

Optimization of the process of controlling a group of similar objects. E. I. Galyukov, A. S. Molchanov. Nauch. -issl. trudy TSNILV 21:187-193 '66.



## STARS, NEW

Spectrophotometric study of Nova Her 1963, Part 1.  
T. D. Oschenko, Astron. zh. 2 no. 4 151-166  
D '66.

## STARS, VARIABLE

Spectrophotometric study of SS Cyg. R. A. Bartina,  
Astron. zh. 2 no. 1 167-183 D '66.

## STARVATION

Change in fish blood composition following prolonged  
total starvation. L. I. Smirnova, Trudy Inst. biol. vnutr.  
zool. no. 10 231-240 '66.

Effect of prolonged starvation on chemical blood indices  
in L. taur. (A. n. and b. n. L.). V. V. Ku. 'mnia Trudy  
Inst. biol. vnutr. zool. no. 10 118-152 '66.

## STATE AND AGRICULTURE see Agriculture and state

## STATE FARMS

(see also subdivision under North Kazakhstan Province,  
Tajikistan)

Knyaz, V. A. [Volunteer economists on state farms and  
collective farms] Oshchetsvennyye ekonomisty v sov-  
khozakh i kollektivakh. [Moskva] Izd. Vsesoyuzn. nauch.-  
issled. tsentra, 1966. 45 p. (Biblioteka sel'skogo proizvodstva i  
kultury, no. 3/51)  
(MIL-L)

Improving the labor of teenagers on state farms.  
A. I. Shchegolev, Sots. zakon. no. 2-51-56 D '67.

## STATE FARMS—ACCOUNTING

Organization of business accounting on a state farm.  
L. V. Babitskaya, Ekonom. zh. 42 no. 103-104 '67.

## STATE FARMS—FINANCE

(see also subdivision under Kazakhstan, Khov  
Province)

Possibilities of expanding production. S. I. Jankov and  
others, Ekonom. zh. 42 no. 1-60-72 '67.

## STATE FARMS—MANAGEMENT

(see also subdivision under Simpatlansk Province)  
Determining the optimal combination of branches in an  
agribusiness enterprise. A. G. Iakunchev, V. N. Aidin,  
Ikon. i mat. metod. 3 no. 1-132-133 Jan. '67.

## STATE FARMS—PRODUCTION STANDARDS see subdivision under Kazakhstan

## STATSMEN, AUSTRIAN

People and events. Bruno Kreisky; Halle Schaale I,  
Nov. vrem. 25 no. 9-10, 33 D '67.

## STATSMEN, BULGARIAN

People and events. Milko Todorov; Martin Niemoller,  
Nov. vrem. 25 no. 7-10, 26 D '67.

## STATSMEN, BURUNDI

People and events. Iewilyn L. Thompson, Michel Micom-  
bert, Nov. vrem. 25 no. 6-7, 27 D '67.

## STATSMEN, YUGOSLAV

People and events. Danilo Lekic, Nov. vrem. 25 no. 10-  
20, 31 D '67.

## STATISTICIANS

In the Presidium of the Supreme Soviet of the U. S. S. R.  
Vest. stat. no. 1-61 D '67.

## STATISTICS

[National accounts and the statistics of national wealth  
and national income; studies on balance-sheet statistics]  
Statistika narodnogo bogatstva, narodnogo dokhoda i na-  
stavlennyye scheta, orhei ki po balansovoi statistike. Mo-  
skva, Nauka, 1967. 270 p.

Statistics in S. G. Strumilin's work. L. Mints, Vest. stat.  
no. 1-36-13 '67.

## STATISTICS—PROBLEMS, EXERCISES, ETC.

Merege, U. comp. [Collection of problems on statistics]  
Uchenye statistika praktikumiki, Tallinn, Tallinna  
Politehniline institut, 1965. 100 p. [in Estonian]

## STAVROPOL—CITY PLANNING

In the way to plan and build the city of chemists?  
N. P. Kozlov, Na stroit. Ross. 4 no. 9 8-9 S '63.

## STAVROPOL—CONSTRUCTION INDUSTRY— ACCOUNTING

Organization of accounting for waste in construction.  
B. Shchegolev, Stroy. uch. no. 12-6-8 D '66.

## STAVROPOL—CONSTRUCTION EQUIPMENT

Equipment for the assembly of large elements. E. Shev-  
chenko, Na stroit. Ross. 4 no. 3-5-6 Mr '63.

## STAVROPOL TERRITORY—AGRICULTURE

The agricultural system in Stavropol Territory. A. Niko-  
nov, Ekonom. zh. 42 no. 1-75-83 '67.

## STAVROPOL TERRITORY—CATTLE—FEEDING AND FEEDS

Mechanized brigades for fattening cattle on state live-  
stock fattening farms in Stavropol Territory. B. P.  
Uspenskii, Dokl. i soob. VNIIESKII no. 20-30-46 '65.

## STAVROPOL TERRITORY—CRIMINAL JUSTICE, ADMINISTRATION OF

How we carry out the decree of the Supreme Soviet of the  
R. S. F. S. R. S. Mariakin, Sots. zakon. 38 no. 7 12-  
15 JI '64.

## STAVROPOL TERRITORY—GAS WELL DRILLING

Drilling slim holes in low production fields. L. I. Umev,  
Neftekhim. 11 no. 9-26-29 S '66.

## STAVROPOL TERRITORY—GROUND SQUIRRELS— EXTERMINATION

Achievements of the Stavropol' people. Zashch. iasi.  
12 no. 1 15 '67.

## STAVROPOL TERRITORY—LIBRARIES AND READERS

We inform our readers on the defense of the civilian  
population. A. Konakh, V. Kalinin, Bibliotekar' 44  
no. 2 21-22 D '67.

## STAVROPOL TERRITORY—RURAL SCHOOLS

About joint efforts, the fifth quarter, and many other  
things. L. Zakharova, Vostok i skola. 21 no. 7 26-30  
Ji '66.

## STAVROPOL TERRITORY—TRADE UNIONS

A violation of the trade-union democracy. G. Lishtovnyi,  
Part. zhizn' no. 1-70 D '67.

## STEAM

Effect of steam on the process of pyrolysis. M. M. Pro-  
kopets, Neftekhim. zh. no. 6-36-37 N-D '66.

## STEAM—TABLES, CALCULATIONS, ETC.

Simplified empirical dependences of mass exchange in  
steam condensation from steam-gas mixtures. L. D.  
Boriman, Teploenergetika 7 no. 8 74-78 Ag '60.

## STEAM—THERMODYNAMICS

Experimental study of the condensation of metal vapors  
from a noncondensing gas medium in a regenerative  
heat exchanger-condenser. M. A. Styrikovich, I. B.  
Goldik, Izv. AN SSSR, Energetika i transp. no. 6-107-107  
N-D '66.  
Thermodynamic features of steam and gas cycles. R. G.  
Budagov, Energomashinoostroenie 12 no. 11 46-48  
N '66.

## STEAM BOILERS see Boilers

## STEAM BOILERS, MARINE see Boilers, Marine

## STEAM SEPARATORS

Determining the efficiency of a centrifugal separator in  
a once-through boiler under actual operating conditions.  
M. N. Kemel'man, Elek. sta. 33 no. 3 11-13 Mr '62.

## STEAM TURBINES

Abal'kov, B. V., V. P. Bannik, and B. I. Reznikov. [Install-  
ing and adjusting steam-turbine units and auxiliary equip-  
ment] Montazh i naladzka turboagregatov i vopomogatel'-  
nogo oborudovaniia. Moskva, Energiia, 1966. 319 p.

Experience with the construction of a 150 Mw block  
M. E. Verbitskii, Elek. sta. 33 no. 3 53-57 Mr '62.

Features of interchannel separation of moisture in low-  
pressure stages of steam turbines. I. I. Kirillov and  
others, Energomashinoostroenie 12 no. 11-14-15 N '66.

Increasing the efficiency of K-100-80 turbines. N. A.  
Shibor, V. P. Rjabchuk, Energ. i elek. no. 6-16-17  
N-D '66.

Organization of the work of a metallurgical laboratory  
in the installation of an 800 Mw block. A. S. Rossosvskii,  
Energetika i elek. no. 6-13-15 N-D '66.

Selection of productive capacity of condensing system air  
pumps. L. D. Burman, Elek. sta. 37 no. 12 30-35  
D '66.

Variable operation of steam-gas blocks with 1000-1500  
Mw ratings and high-pressure steam generators.  
V. S. Dubchuk, I. U. V. Erigov, Energ. i elek. no. 6-48-  
49 N-D '66.

## STEAM TURBINES—BLADES

Breaking of VPT-25-3 turbine blades. P. A. Paskevich,  
Elek. sta. 37 no. 12-73-75 D '66.

## STEAM TURBINES—DESIGN AND CONSTRUCTION

see subdivision under Kharkov; Leningrad

## STEAM TURBINES—SAFETY APPLIANCES

Study of the KPR 000/800 lever-load safety valve. P. L.  
Suris, Energomashinoostroenie 12 no. 11-22-25 N '66.

## STEAM TURBINES—TESTING

Testing of the two-row velocity stage of the KS-1B type,  
I. U. A. Kachuriner, Energomashinoostroenie 6 no. 9:  
41-43 S '60.

## STEAM TURBINES, MARINE

Calculating the efficiency of the stage of a turbine  
operating on moist steam. G. A. Maiveev, I. U. S.  
Molchanov, Sudostroenie 56 no. 12-23-27 D '66.

Conditions of parallel operation of condensate pumps using  
various methods of level regulation in the condenser.  
A. M. Goloviznin, S. B. Aksefrod, Inform. sbor.  
TSNIMF no. 166, Tekh. ekspl. mor. flota no. 46-28-43  
'66.

## STEAM TURBINES, MARINE—TESTING

Temperature measurements in the testing of marine  
steam turbines. M. A. Nefimovskii, Inform. sbor.  
TSNIMF no. 166, Tekh. ekspl. mor. flota no. 46-60-67  
'66.

## STEAMPIPES

Adjustment of steam pipes in 150 and 200 Mw blocks.  
S. V. Fal'kovskii, E. S. Zakharov, Elek. sta. 33 no. 3  
17-20 Mr '62.

Design of a mechanically coupled prestressed pipe  
system. B. V. Lopatin, Elek. sta. 33 no. 3 21-25 Mr  
'62.

Permissible rate of steam temperature change in steam  
conducts. L. G. Sobolev, Teploenergetika 7 no. 8 88-  
89 Ag '60.

Study of a welded pannel from finned pipes installed in  
the middle radiation part of the PK-47 boiler. I. A. S.  
Zholudov, I. A. Antonov, Elek. sta. 37 no. 12 15-19  
D '66.

## STEARIC ACID

Sinergistic action of stearates of some metals during  
poly(vinyl chloride) stabilization. Z. V. Popova, D. M.  
Anosov, Zhur. prikl. khim. 34 no. 6 1324-1329 Jc  
'61.

## STEEL

(see also subdivision under Leningrad)

Materials for the elements of steam superheaters of  
marine boilers. N. I. Denisov, Inform. sbor. TSNIMF  
no. 165, Tekh. ekspl. mor. flota no. 46 51-59 '66.

Neimark, B. E., ed. [Physical properties of steels and  
alloys used in power engineering, a handbook] Fiz-  
icheskie svoystva stali i splovov, primeniamykh v  
energetike, spravochnik. Moskva, Energiia, 1967.  
238 p.

Supply of metal in the U. S. S. R. L. L. Zusman, Staf'  
22 no. 5-461-466 My '62.

Use of metal economically in pipeline construction and  
maintenance in U. S. S. R., as a topic for discussion.  
P. I. A. Belder, Neftekh. 11 no. 11 55-57 N '66.

## STEEL—BRITTLENESS

Reversible temper brittleness of steel. G. N. Kravkov-  
skaya, M. P. Braun, Tekh. i org. proizv. no. 6-114-115  
N-D '66.

## STEEL—CORROSION

Electrochemical testing of film-forming hydrocarbon-  
soluble corrosion inhibitors. V. P. Negrev and others,  
Trudy Inst. khim. AN Azerb. SSR 20-70-83 '64.

Gadzhieva, B. G., and I. U. S. Sinitsyna. [Protection against  
corrosion of a wet steel surface] Zashchita ot korrozii  
mokroi stal'noi poverkhnosti. Baku, Azerneshtr, 1965.  
131 p.

Hydrogen corrosion of stressed metal. I. U. Archakov,  
B. S. Golubovskii, V. I. D'ichev, Zashch. met. 3 no. 1-  
79-84 Jan-F '67.

Some features of propargyl alcohol as inhibitor of steel  
corrosion in hydrochloric acid solutions. V. A. Khilov,  
V. P. Zadorozhnyi, Izv. vys. ucheb. zav. khim. i khim.  
tekh. 9 no. 5 744-748 '66.

Wetting of steel in the system hydrocarbons - aqueous  
solutions under conditions of moving liquid. V. N.  
Negrev, I. A. Mamedov, G. M. Abdullaeva, Trudy  
Inst. khim. AN Azerb. SSR 20-51-64 '61.

## STEEL—ELECTROMETALLURGY

Amount and composition of fly ash during steel smelting  
in basic electric furnaces. V. T. Lutsenko, P. V.  
Umarikhin, Izv. vys. ucheb. zav. chern. met. no. 1  
69-73 '67.

Effect of rare earth metals on properties of liquid and  
solid steel. V. N. Polissarov and others, Izv. vys.  
ucheb. zav., chern. met. 10 no. 1-66-68 '67.

Using 80-ton electric furnaces for the making and con-  
tinuous casting of laminated steel. G. M. Itskovich and  
others, Staf' 22 no. 5 120-125 My '62.

## STEEL—FATIGUE

Fatigue cracks in the lower zones of steel crane beams.  
A. A. Bat' Prom. stroit. 39 no. 12-54-55 '61.

## STEEL—HARDENING

Possibility for the replacement of alloyed steels by induc-  
tion hardened carbon steels. D. A. Sveshnikov, E. I.  
Natanzon, Vest. mashinostr. 47 no. 137-59 Ja '67.

## STEEL—HEAT TREATMENT

Distortion of bushing profiles caused by thermal stresses.  
S. B. Mikhalev, Prom. Bel. 10 no. 1-45-46 Ja '67.

Heat treating section of the 2800 plate steel rolling mill.  
V. I. Rospasenko, V. P. Kufikov, Staf' 22 no. 5 457-  
460 My '62.

Improving engineering properties of forgings by changing  
heat treatment conditions. I. V. Palsov and others,  
Vest. mashinostr. 47 no. 1 59-61 Ja '67.

Kuzlav, B. A. [Heat treatment of steel; programmed  
manual] Termicheskaya obrabotka stali, programiro-  
vannoe uchebnoe posobie [Krasnodarsk] Krasnodarskoe  
knizhnoe izd-vo, 1966. 77 p.

[MICRONIUM]

## STEEL—HEAT TREATMENT (Continued)

- Low alloy, 28G2 steel for concrete reinforcement  
I. M. Leikin, V. N. Utkin, A. A. Roshchina. *Stal'* 21 no. 10:1020-1022 N '63
- New technology for the heat treatment of differential crosses of driving axles of the GAZ motor trucks. V. F. Iysenko, S. D. Goriachala. *Avi prom* 33 no. 1:32-34 Ja '67
- Properties of carbon rail steel and 40KhN steel following hardening and quenching and isothermal treatment  
M. V. Pridanisev, A. G. Nikonov. *Izv. AN SSSR. Met.* no. 1:97-104 Ja-F '67
- Two-position unit for heat treatment of nitrided steel.  
V. P. Davydov. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 12:33-34 D '66.

## STEEL—HYDROGEN CONTENT

- Hydrogen absorption by steel in alkali sulfide electrolytes  
I. S. Shparber, A. V. Sheldere, N. P. Zhuk. *Zashch. met.* 3 no. 1:73-78 Ja-F '67

## STEEL—IMPURITIES

- Straight oxidation of impurities in the open-hearth furnace bath by oxygen during the melting period.  
V. F. Botatnikov and others. *Stal'* 22 no. 5:412-415 My '62

## STEEL—INCLUSIONS

- Application of ultrasonic flaw detection to investigate the inclusion content of rimmed steel ingots.  
V. T. Gubar' and others. *Defektoskopija* 2 no. 5:35-40 '66.
- Composition of nonmetallic inclusions in aluminum-alloyed steel.  
V. V. Parabin, A. K. Petrov, A. V. Rechkalova. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1:45-49 '67.
- Effect of furnace slag and refractories on the contamination of steel by nonmetallic inclusions.  
A. M. Srebnitsov, V. A. Kostjuk. *Stal'* 22 no. 5:415-417 My '62.
- Formation and removal of oxide inclusions during the tapping, pouring and crystallization of low-carbon steel  
I. I. Dorokhov and others. *Izv. AN SSSR. Met.* no. 1:31-41 Ja-F '67

## STEEL—METALLOGRAPHY

- Changes in dislocation structure of low-carbon steel at high-speed heating  
H. K. L'vov, I. U. N. Petrov, V. V. Iaremchuk. *Ukr. fiz. zhur.* 11 no. 12:1338-1340 D '66.
- Formation of brittle cracks in steel during twinning.  
R. G. Arone. *Fiz. met. i metalloved.* 22 no. 4:617-618 O '66
- Investigating microstructural characteristics of the transition zone of two-layer steel by the methods of high-temperature metallography.  
A. L. Tananov. *Mashinovedenie* no. 1:128-132 Ja-F '67
- New developments in research.  
P. S. Plekhanov, I. D. Nikulinskii, F. D. Ivanov. *Stal'* 21 no. 11:1033-1034 N '61
- Rare earth metal solubility in iron.  
M. M. Sandomirskii, A. S. Zav'jalov. *Izv. AN SSSR. Met.* no. 1:147-149 Ja-F '67
- Studying formation of Widmannstätten structure in iron.  
M. A. Gusevskaya, A. P. Gallaev. *Izv. AN SSSR. Met.* no. 1:112-115 Ja-F '67.
- Studying the hardening of low-alloy steel by vanadium nitrides.  
E. C. Blum and others. *Fiz. met. i metalloved.* 22 no. 6:938-941 D '66.
- Studying the microrelief of steel with a Widmannstätten structure.  
B. A. Leont'ev and others. *Izv. AN SSSR. Met.* no. 1:116-121 Ja-F '67.

## STEEL—METALLURGY

- Combined method of steelmaking.  
S. V. Pollak. *Prom. Bel.* 10 no. 2:24-25 F '67.
- Improving the technology of the deoxidation and pouring of steel  
N. N. Dobrokhov, K. K. Prokhorenko. *Stal'* 21 no. 11:995-998 N '61.
- Making steel in 55-ton converters with top oxygen blow.  
S. G. Afanas'ev and others. *Stal'* 22 no. 5:408-412 My '62
- Mechanism of metal rimming during vacuum treatment in ladles of partially killed ball-bearing steel.  
V. I. Chukhlov and others. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1:41-45 '67.
- New developments in research.  
L. L. Kunin and others. *Stal'* 22 no. 5:418-410 My '62.
- New developments in research.  
P. S. Plekhanov, I. D. Nikulinskii. *Stal'* 21 no. 11:998 N '61.
- Possibility of reducing the tendency in steel toward flake formation by means of small additions of palladium.  
V. I. Arkharov and others. *Izv. AN SSSR. Met.* no. 1:105-111 Ja-F '67.
- Pouring rimmed steel into bottle-shaped ingot molds.  
S. L. Levin and others. *Stal'* 21 no. 11:992-996 N '61.
- Use of correlation analysis data in a linear programming problem.  
L. A. Bazilevich. *Ekon. i mal. metod.* 3 no. 1:63-67 Ja-F '67.

## STEEL—PICKLING

- Effect of pickling additions on "fish-scale" defect of enamel coatings.  
L. S. Savin and others. *Zashch. met.* 3 no. 1:118-118 Ja-F '67

## STEEL—TESTING

- Characteristics of the behavior of 1Kh21NST steel during hot rolling.  
A. A. Rivkin, R. G. Shn. *Sbor. trud. TSNICHM* no. 44:146-153 '66.

- Connection between coercive force and mechanical properties of 40KhNMA steel.  
M. N. Mikhnev, L. V. Kokhan, V. A. Burganova. *Defektoskopija* 2 no. 5:85-90 '66.
- Contact strength of 34KhM steel at various lubricants.  
S. A. Ufonskii, Tekhn. i org. proizv. no. 6:113-114 N-D '65.
- Effect of cyclic contact stressing on certain characteristics of the crystal structure in 34KhM steel.  
T. M. Golovina. *Dop. AN URSR* no. 10:1284-1287 '66.
- Effect of the properties of steel on its suitability for cold heading.  
A. N. Gladikh. *Stal'* 21 no. 11:1030-1032 N '61
- Gudkov, S. I. [Mechanical properties of steel at low temperature; a handbook] *Mekhanicheskie svoystva stal' pri nizkikh temperaturakh spravochnik.* Moskva, Metallurgiya, 1967. 266 p.
- Highly durable.  
G. Kundumov, V. Sarra. *Voen. znan.* 43 no. 1:38 Ja '67
- Investigating the breakdown of soft steel caused by opened static bonding.  
I. V. Kudryavtsov, L. A. Sosnovskii. *Mashinovedenie* no. 1:91-97 Ja-F '67.
- Magnetic and electric properties of 17KhN2, 20KhN3A, 17N3MA steels and cemented layers on their base.  
V. M. Morozova and others. *Defektoskopija* 2 no. 5:77-78 '66.
- Magnetic check of the depth of decarburization and hardened layers on steel parts by measurement of local fields residual magnetization.  
G. S. Tomilov. *Defektoskopija* 2 no. 5:90-95 '66.

## STEEL—THERMAL PROPERTIES

- Calculation methods of analyzing the heat conductivity various types of steel.  
R. E. Krzhizhanovskii. *Energomashtostroenie* 6 no. 10:37-39 O '60.
- Effect of thermal properties of steel on technology of heating.  
N. U. Tait, V. N. Astasulurov. *Izv. vys. ucheb. zav., Chern. met.* 10 no. 1:184-189 '67.
- Technology of producing a low carbon semifinished product with an increased temperature.  
I. G. Shumakov and others. *Stal'* 21 no. 11:986-991 N '61.

## STEEL—WELDING

- Weldability of 15GS low-alloy steel.  
A. S. Astas'ev, V. S. Navoev. *Stal'* 22 no. 5:448-452 My '62.
- Welding of a two-layer steel during assembly conditions.  
L. S. Lessei. *Proizv. stroit. i energ. stroit.* no. 7:24-28 '66.

## STEEL, EFFECT OF RADIATION ON

- Physical nature of steel hardening under the action of light pulses.  
L. I. Mirkin, N. P. Pospel'skii. *Dokl. AN SSSR* 172 no. 3:580-583 Ja '67.

## STEEL, STAINLESS—METALLURGY

- New developments in research.  
A. I. Babakov, E. N. Katsava. *Stal'* 22 no. 5:460 My '62.
- Viscosity of titanium-containing alloys and its effect on the loss of titanium during stainless steel alloying.  
V. A. Kamardin, G. S. Ershov. *Izv. AN SSSR. Met.* no. 1:56-61 Ja-F '67.

## STEEL, STRUCTURAL

- Efficient designs of steel bearing elements of storehouses of loose materials.  
M. B. Solodari. *Prom. stroit.* 36 no. 12:45-49 '61.
- High-strength structural steel 40KhG2ST.  
V. G. Krechmar, I. V. Palsov. *Blul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 19 no. 12:17-18 D '66.
- Simple apparatus for hardening reinforcement steel.  
Na stroit. Ros. 4 no. 3:3 of cover. Mr '63.

## STEEL, STRUCTURAL—CORROSION

- Corrosion cracking of certain high-strength steels.  
I. L. Rosenfeld and others. *Zashch. met.* 3 no. 1:43-49 Ja-F '67.

## STEEL, STRUCTURAL—INCLUSIONS

- Distribution of nonmetallic inclusions in ingots of structural steel.  
V. S. Vvedenskii, V. A. Zelenov, K. K. Prokhorenko. *Stal'* 22 no. 5:454-457 My '62.

## STEEL, STRUCTURAL—RELIABILITY

- Estimating reliability of St. 3 brand semikilled steel.  
E. S. Volokhivskaya and others. *Vest. TSNII MPS* 25 no. 8:44-48 '66.

## STEEL, STRUCTURAL—TESTING

- Approval of new state standard "Reinforcing steel; methods of testing its tensile strength (State Standard No. 12004, 1966).  
N. M. Mullin, S. A. Madatian, A. I. Kochetov. *Bel. izh. - bel.* 12 no. 11:17-20 N '66.
- Low alloy, easily welded, 08G2DT and 16GT steel.  
V. G. D'jakov, Z. A. Abramova. *Stal'* 21 no. 11:1023-1025 N '61

## STEEL, STRUCTURAL—VIBRATION

- Vibration strength of I-beams of dead melt converter steel.  
E. V. Gorokhov. *Prom. stroit.* 44 no. 12:37-39 '66.

## STEEL ALLOYS

- Increasing the cold resistance of alloyed steels for castings.  
I. U. A. Shul'tse, V. V. Lunov, A. P. Grechanyl. *Tekhn. i org. proizv.* no. 6:58-60 N-D '66.

## STEEL ALLOYS—METALLURGY

- Povolotskii, D. A., and A. K. Peliyov. [Production of steel alloys] *Proizvodstvo legirovannykh stal' i spetsialnykh, Metallurgiya*, 1967. 210 p.

## STEEL ALLOYS—SPECTRA

- Effect of diameter of rod specimen on results of spectral analysis of steels.  
I. U. M. Davylev, Zhur. prikl. fiz. i khim. 8 no. 5:562-567 N '66.

## STEEL ALLOYS—WELDING

- Low alloy, easily welded, 08G2DT and 16G1 steel.  
V. G. D'jakov, Z. A. Abramova. *Stal'* 21 no. 11:1023-1025 N '61

## STEEL CASTINGS

- Studying appearance of residual stresses in castings.  
V. I. Samsonov, I. V. Vys. ucheb. zav., Chern. met. 10 no. 1:149-152 '67

- Studying possibility of reducing residual stresses in castings.  
V. I. Samsonov, I. V. Vys. ucheb. zav., Chern. met. 10 no. 1:168-171 '67

## STEEL INDUSTRY see subdivision under Finance; Rustavi (Georgia)

## STEEL INDUSTRY—FINANCE see subdivision under Finance

## STEEL INDUSTRY—MANAGEMENT (see also subdivision under Kuraganch; Volgograd Province)

- Metalurgists exchange their experience in changing to the new system of management. *Sob. trud.* 12 no. 1:116-118 Ja '67.
- Objectives in planning in the iron and steel industry.  
Stal' 22 no. 5:385-388 My '62.

## STEEL INDUSTRY—PROBLEMS, EXERCISES, ETC.

- Veselov, N. G., and others. [Collection of problems on a course in the "Economics of the ferrous metallurgy of the U.S.S.R."]. *Shkol'nykh zadach po kursu "Ekonomika chernoi metallurgii SSSR."* Sverdlovsk, Izd. UPI, 1965. 33 p.

## STEEL INGOTS

- Distribution of nonmetallic inclusions in ingots of structural steel.  
V. S. Vvedenskii, V. A. Zelenov, K. K. Prokhorenko. *Stal'* 22 no. 5:451-457 My '62
- Selecting an efficient shape of large sheet ingots.  
I. I. Kuzema. *Stal'* 22 no. 5:432-439 My '62.

## STEEL PIPE see Pipe, Steel

## STEEL RINGS see Rings, Steel

## STEEL STRIP—CORROSION

- Increasing the resistance of KhMNST (KhMNST) steel sheet and strip to intergranular corrosion.  
N. I. Zelenov, I. V. Gorbatenko. *Zashch. met.* 3 no. 1:65-67 Ja-F '67.

## STEEL STRIP—MAGNETIC PROPERTIES

- Recovery of magnetic properties of a deformed strip.  
I. U. A. Pimenov, N. I. Lupkin, I. U. M. Gortman. *Fiz. met. i metalloved.* 22 no. 4:620-630 O '66.

## STEELWORKS see Iron and steel plants

## STEERING GEAR

- In situ tests of hydroboas equipped with flanking rudders and steering nozzles.  
M. T. Ilyich. *Rach. transport.* 26 no. 7:24-27 Ji '61

## STEERING GEAR—HYDRAULIC DRIVE

- Selecting a structure of the system of the hydraulic drive improving its operational reliability.  
I. R. Freidman, I. U. Lur'c. *Sbornik nauch. i tekhn. inform.* 26-31 D '66.

## STELE (ARCHAEOLOGY)

- The Heka-yeb stela in the collection of the Hermitage.  
N. B. Landa. *Vest. drev. ist.* no. 4:107-107 '66.
- No. 1093 stela in the Hermitage.  
I. S. Haganovskii. *Vest. drev. ist.* no. 1:108-115 '66.

## STEL'MAKH, MYKHAILO PANASOVYCH, 1912—LANGUAGE

- Verbs of the anonymous series "byty-vdaryty" in the novels of M. Stel'makh.  
A. T. Revzenko. *Leksykon* 11 lekzykogr. no. 2:76-81 '66.

## STEPCHILDREN

- It is so difficult.  
Semen Laskin. *Sem'na shkola* 21 no. 7:9-10 Ji '66.

## STEPPE FLORA see subdivision under White Russia

## STEPPIES

- (see also subdivision under Argun' Valley; Onon Valley)

- Philov, P. N. [Steppe of the U.S.S.R. as a factor in the material life of society, on the relationship between nature and man] *Stepi SSSR kak ustoyevye material'no-zhizni obshchestva i probleme - priroda i chelovek. Izdaniya [Verkhne-Volzhskoe knizhnoe izd-vo] 1966.* 200 p.



## STEREOCHEMISTRY

Effect of the character of substitution at  $\gamma$ -piperidone nitrogen on the stereochemistry of the nylithium synthesis. F. A. Mistrunov, N. I. Aionova. Izv. AN SSSR Ser. Khim. no. 1:138-143 Ja '67.  
Stereochemistry of cyclic compounds. Report No. 68. Stereochemistry of bromination of cis-3-methylcyclohexene cis-1,3-dicarboxylic acid. A. S. Onitschenko, A. L. Shabanov, V. F. Kucherov. Izv. AN SSSR Ser. Khim. no. 1:127-132 Ja '67.

STEREOCHEMISTRY—CONGRESSES see subdivision under Ukraine

## STEREOTYPING

Staposhnikov, S. I. [Stereotype] Stereotipn. Moskva, Kniga, 1966. 191 p.

## STERILITY

Assembly of instruments for restorative surgery in total sterility. K. B. Akunts, S. I. Tshut'muk, E. G. Krizheva. Sov. med. 29 no. 11:125-128 N '66.

## STERLING AREA

Burma and the sterling area. M. Mitronov. Mit. ekon. i mezhdunar. otn. no. 1:115-117 '67.

## STERILITAMAK—MACHINE-TOOL INDUSTRY—MANAGEMENT

Krakov, M. V. [Two seven-year plans in seven years!] Die smel'ki - za sem' let! Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 19 p. (Maklki promyshlennosti Bashkiri)

## STERNUM—SURGERY

Surgical treatment of suppuration of the sternum in longitidinal sternotomy. B. V. Shubalkin, L. P. Chetepenh. Gruz. khim. 9 no. 1:55-58 Ja-F '67.

## STEROID HORMONES

International congress on steroid hormones. N. A. Khazay and others. Probl. endok. i gorm. 8 no. 6:109-115 N-D '62.

Intracellular activity of steroid hormones. M. F. Meraz'inski. Vestn. AN SSSR, Ser. biol. nauk. no. 1:67-73 '67.

## STEROID HORMONES—THERAPEUTIC USE

Effect of small doses of glucocorticoids in acute radiation sickness. V. D. Rogovkin, V. P. Fedotov, K. S. Chetkov. Med. rad. 12 no. 1:80-91 Ja '67.

## STERIODS

Hydrolysis of steroid esters by Mycobacterium. K. A. Koshchenko, G. K. Skiribin. Mikrobiologiya 36 no. 6:1017-1023 N-D '66.

Transformed steroids. Report No. 8. Mechanism of stereospecific cis-opening of oxide ring of 16 $\alpha$ , 17 $\alpha$ -epoxy- $\Delta^5$ -pregnen-3 $\beta$ -ol-20-one. A. A. Akhmed and others. Izv. AN SSSR, Ser. khim. no. 1:115-121 Ja '67.

## STIBINE OXIDE

Phenylstibinic acid and its derivatives in analytical chemistry. S. H. Pilihin. Farmats. zhur. 18 no. 3:38-43 '63.

## STOCHASTIC PROCESSES

Applicability of the strong law of large numbers to processes stationary in a broad sense. I. N. Verbitnikin. Teor. veroiat. i ee prim. 11 no. 4:715-720 '66.

Asymptotic behavior of the probabilities of first and second kind errors in testing the hypotheses on the spectrum of a Gaussian stationary process. D. S. Apokerin. Dokl. AN SSSR 167 no. 2:283-286 Mr '66.

Distribution of the moment of attaining the maximum for a process with independent increments. P. S. Stotland. Teor. veroiat. i ee prim. 11 no. 4:720-726 '66.

Measurement of the root-mean-square deviation of a normal random process. D. M. Shul'nikov, A. M. Morozov. Trudy Vych. tsentra AN Gruz. SSR 7:2:50-52 '66.

Mit'khil, G. I. A. [Measurement of the characteristics of random processes] Apparaturnoe opredelenie kharakteristik sluchaynykh protsessov. Moskva, Energiya, 1967. 430 p.

Remark on M. G. Spurr's paper entitled "On linear differential equations with randomly perturbed parameters." R. Z. Khas'minski. Izv. AN SSSR, Ser. mat. 30 no. 6:1311-1314 '66.

Remarks on random processes engendered by some differential equations. A. I. Dorohovtsev. Dop. AN USSR no. 7:650-653 '62.

Searching for correlation equations during fluctuation processes. E. A. Ivonov, B. I. Revazashvili. Izv. vyz. ucheb. zav. i gor. zhur. 9 no. 10:143-147 '65.

## STOCK AND STOCKBREEDING

(see also subdivision under Atyashevo District; Gorky Province; Siberia; Eastern Zoravshan Valley)

Distribution of molasses to livestock. D. Savin, T. S. Frankovskii. Tekh. v sel'khoz. 21 no. 12:20-21 D '61.

El'say, A. I., and M. Kh. Kobedov. [Renovated farms] Osnovnyye formy. Moskva, Znanie, 1967. 103 p. (Narodnyi universitet. Sel'skokhozyaistvennyi fakul'tet, 1)

On anniversary watch. V. Novikov. Inform. bul. VDNKH no. 12:23-25 D '66.

## STOCK AND STOCKBREEDING—CONGRESSES

All-Union Scientific Conference on Physiological and Biochemical Bases for Increasing the Productivity of farm animals. I. V. Petrukhin. Khim. v sel'khoz. 5 no. 1:76-77 Ja '67.

## STOCK AND STOCKBREEDING—EQUIPMENT AND SUPPLIES

[Mechanization of livestock farms; manual for machine operators on collective and state farms] Mekhanizatsiya zhivotnovodcheskikh form, posobie dlia mekhanikov kollektivnykh i goskhozov. [By] S. M. Bulanov i dr. [Volgograd] Volgogradskoe knizhnoe izd-vo, 1963. 271 p.

## STOCK AND STOCKBREEDING—RESEARCH

In the Presidium of the Lenin All-Union Academy of Agricultural Sciences. Vest. sel'khoz. nauki 11 no. 12:142-145 D '66.

## STOCK AND STOCKBREEDING—SAFETY MEASURES

Permissible voltages for livestock. A. Lukonnikov. Tekh. v sel'khoz. 27 no. 1:33-35 '67.

## STOLANOV, KOSTA ANGELOV, 1904-1965

Kosta Angelov Stolanov; an obituary. A. Devdzhian, Ch. Dragoichev. Khirurgia 42 no. 12:117-118 D '66.

## STOLBOVOYE LAKE REGION—GEOLOGY

Structure of the depression of Lake Stolbovoe and Lake Nerpel'nye. V. A. Salivertov, M. I. Ukhov, M. N. Shapiro. Vop. geog. Kamch. no. 4:107-109 '66.

## STOLL, HEINRICH ALEXANDER

Euthanasia, unselfishness, and dilettantism. F. Fedorov. Nov. mir. 42 no. 7:275-277 JI '66.

## STOMACH—CANCER

Clinical and anatomical characteristics of repeated operations on the stomach. I. A. Daineka. Khirurgia 36 no. 11:30-35 N '62.

Clinical treatment of stomach cancer. S. I. U. Chukhmanashvili, G. T. Gabsromia. Soob. AN Gruz. SSR 44 no. 3:817-824 J '66.

Combination of chronic lymphatic leukemia and adenocarcinoma of the stomach. V. V. Bogdanov. Probl. gemat. i pol. knizh. 10 no. 12:47-48 D '65.

Few amino acids of cancerous tumors in human stomach. M. N. Togmizian. Biokh. zhur. Arm. 10 no. 12:53-57 D '66.

## STOMACH—DISEASES

Ratsoy, Vaino. [Chronic stomach diseases] Kroonilised maohaigused. Tallinn, Valgus, 1966. 48 p. [In Estonian] (DNLM)

## STOMACH—INTUBATION

Basic principles and unification of clinical methods of sounding the stomach. P. I. Shilov, S. B. Khorostovtsev. Sov. med. 28 no. 10:135-140 O '65.

## STOMACH—RADIOGRAPHY

Metaplastic processes in the stomach and duodenum in leukemia. X-ray observations. K. P. Mariyashkin. Probl. gemat. i pol. knizh. 12 no. 1:31-36 Ja '67.

## STOMACH—SECRETIONS

Disorders in the gustatory analyzer and gastric secretion in the late period following traumatic lesions of the brain. Z. P. Gurevich. Trudy GIGUV no. 4:163-174 '62.

Effect of adrenocorticotrophic hormone of hypophysis on secretory stomach activity. A. N. Bekardze, A. V. Aslanli. Soob. AN Gruz. SSR 44 no. 2:477-481 N '66.

Effect of labeled bromide on secretory and excretory functions of the fundal and the pyloric portions of the stomach. V. I. Kalinin. Med. rad. 7 no. 10:89 O '62.

Gastric secretory function in chronic intoxication with granatene. O. F. Ostapenko. Sov. med. 29 no. 11:70-73 N '66.

Participation of thyroid gland in regulation of relationship between secretory activity of stomach and mammary gland in lactating animals. K. T. Tashenov, R. M. Trofimova. Trudy Inst. fiziol. AN Kazakh. SSR 10:133-147 '66.

Secretions and acidity of stomach in infectious hepatitis. D. D. Tavartilze. Soob. AN Gruz. SSR 44 no. 3:825-832 D '66.

Secretory and excretory functions of the stomach in typhoidosis before and after treatment with J<sup>53</sup>. V. G. Spetsivtsova, A. I. A. Peregodova. Probl. endok. i gorm. 8 no. 6:97-71 N-D '62.

## STOMACH—SURGERY

Changes in the peripheral blood following partial gastric resection. V. E. Inasaridze. Soob. AN Gruz. SSR 27 no. 2:233-240 Ag '61.

Clinical and anatomical characteristics of repeated operations on the stomach. I. A. Daineka. Khirurgia 36 no. 11:30-35 N '62.

Closure of the duodenal stump in resection of the stomach. V. V. Ivanov. Khirurgia 38 no. 11:121-123 N '62.

Errors and dangers in the resection of the stomach with the involution of the duodenum and measures for their prevention. V. G. Borisov. Khirurgia 38 no. 11:63-67 N '62.

Late results of resection of the stomach in peptic ulcer. A. I. Gorbasheko. Sov. med. 29 no. 10:93-96 O '66.

Resection of the stomach after suturing perforated gastroduodenal ulcers. P. V. Zabolotnikov. Khirurgia 36 no. 11:35-40 N '62.

Simplified technique of substituting the excised stomach with a loop of the small intestine. R. K. Kharitonov. Khirurgia 38 no. 11:47-53 N '62.

Substitution of the resected stomach with a segment of the large intestine. D. V. Ponomarev. Khirurgia 38 no. 11:53-58 N '62.

Substitution of the stomach with a transplant of the large intestine. I. A. Rits, G. I. Veronikil. Khirurgia 38 no. 11:59-62 N '62.

Syndromes of the afferent loop and its surgical treatment. A. I. Svetnikov. Sov. med. 30 no. 1:102-108 Ja '67.

## STOMACH—TRANSPLANTATION

A case of antethoracic esophagoplasty using the stomach. N. M. Shevchenko. Khirurgia 38 no. 11:123-124 N '62.

## STOMACH—TUBERCULOSIS

Two cases of complicated tuberculosis of the stomach. I. Dauderis. Probl. tub. 44 no. 1:70-71 '66.

## STOMACH—TUMORS

Diurnal mitotic rhythms in sarcoma 180, lymphosarcoma and carcinoma of fore-stomach in mice following changes in lighting regimen. S. M. Kolesmina. Vest. Mosk. un. Ser. 8: Biol., pochv. 21 no. 5:117-17 S-O '66.

Hematological marks of gastric neoplasms. G. I. Glezer. Sov. med. 30 no. 1:121-125 Ja '67.

## STOMACH—ULCERS

Effect of the therapeutic factors of the Borzhomi health resort on ulcer patients with gastric resections. F. V. Inasaridze. Soob. AN Gruz. SSR 26 no. 6:763-769 Je '61.

## STONE see subdivision under Armenia

STONE, CRUSHED see subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU)

## STONE AGE

(see also subdivision under Abkhazia; Crimea; Czechoslovakia; Dnieper Valley; Dniester Valley; East European Plain, Europe, Eastern; Kiyaz'ma Valley, Osaola; Poland; Polesye, Siberia; Vladimir region; Volga Valley)

Following the traces of the Paleolithic and huyled acilla across the Dniester into Czechoslovakia. A. I. Moskvitin. Trudy Kom. chetv. per. 18:160-171 '61.

Geological age of archaeological monuments dated according to paleobotanical materials. V. P. Grichuk. Trudy Kom. chetv. per. 18:118-156 '61.

Principles for the construction of a periodization scheme of the Paleolithic. V. I. Gromov. Trudy Kom. chetv. per. 18:7-21 '61.

Statement. A. A. Velichko. Trudy Kom. chetv. per. 18:215-216 '61.

Statement. A. D. Kolbatov. Trudy Kom. chetv. per. 18:206-210 '61.

Statement. A. N. Rogachev. Trudy Kom. chetv. per. 18:181-187 '61.

Statement. E. A. Vangengeim. Trudy Kom. chetv. per. 18:228-231 '61.

Statement. G. I. Goratski. Trudy Kom. chetv. per. 18:103-108 '61.

Statement. I. G. Shovkoplias. Trudy Kom. chetv. per. 18:106-107 '61.

Statement. I. K. Ivanova. Trudy Kom. chetv. per. 18:231-238 '61.

Statement. K. K. Zhebera. Trudy Kom. chetv. per. 18:251-253 '61.

Statement. L. L. Savitski. Trudy Kom. chetv. per. 18:246-251 '61.

Statement. N. I. Kriger. Trudy Kom. chetv. per. 18:169-193 '61.

Statement. N. K. Voroshchagin. Trudy Kom. chetv. per. 18:227-228 '61.

Statement. O. N. Dader. Trudy Kom. chetv. per. 18:253-258 '61.

Statement. P. I. Borisevskii. Trudy Kom. chetv. per. 18:187-189 '61.

Statement. V. I. Gromov. Trudy Kom. chetv. per. 18:241-246 '61.

Statement. V. L. Iakimovich. Trudy Kom. chetv. per. 18:213-215 '61.

Statement. V. P. Grichuk. Trudy Kom. chetv. per. 18:231-232 '61.

Statement. V. V. Cherdyn'tsev. Trudy Kom. chetv. per. 18:236-240 '61.

## STONE AGE (Continued)

Statement V. V. Popov Trudy Kom. chetv. per. 18-19-1976  
Use of terrestrial vertebrate remains for the periodization of the Paleolithic N. K. Voroshchagin Trudy Form. chetv. per. 18-19-1976

## STONE BUILDING see Building, Stone

## STONE CUTTING-EQUIPMENT AND SUPPLIES

Increasing efficiency of stone cutting machinery M. G. Lein, IU. V. Opegnim Mekh. strol. 23 no. 12-18-1976

## STOPING (MINING)

(see also subdivision under Tyynauz region, Kabardino-Balka A.S.S.R.)

Review of the book by I. P. Sudoplatov and others 'Mining coal deposits with short stops' A. E. Petrosian, and others Ugol' 37 no. 12-18-1976

## STOPING (MINING)-COSTS

Economic basis of load value in stops equipped with powered supports in mining flat seams M. D. Rantsyn Mash. i obr. dzh. mekh. i avtomatiz. i tr. prot. v ugol' prom. no. 2-69-74 1975

## STOPING (MINING)-EQUIPMENT AND SUPPLIES see subdivision under Moscow Basin

## STOPING (MINING)-LABOR PRODUCTIVITY

Reader's response to the article by IU. F. Savenko and I. V. Litashenko 'Defining the criteria for the rate of stoping operations' 'Ugol' Ukrainy, 1961, no. 4 Ugol' Ukr. 6 no. 12-39-42 D 1962

## STOPING (MINING)-MECHANIZATION

Determining the performance of "Tula" powered stoping complexes taking into account basic mining geology factors, P. E. Moiseev, Sbor. nauch. tr. PNIUI no. 10: 28-65 1966

## STOPING (MINING)-SAFETY MEASURES

Gosudarstvennyi makeevskii nauchno-issledovatel'skii institut po bezopasnosti rabot v gornoi promyshlennosti. [Guide to the use of sprinkling during coal stoping operations] Rukovodstvo po primeneniui orosheniia pri vyemke uгля v ochistnykh zaboiakh, Moskva, Nedra, 1955, 40 p.

## STOPPING POWER (NUCLEAR PHYSICS)

Grigor'ev, I. S., and V. M. Novikov, [Neutron diffusion in heterogeneous media] Diffuziia neutronov v geterogenykh sredakh, Moskva, Atomizdat, 1956, 174 p.

## STORAGE BATTERIES

Centralized charging of storage batteries, A. Kivovshev, G. Kuznetsov, Tekh. v sel'khoz. 25 no. 12-59-62 D 1966

Effect of charge conditions and density of electrolyte on the life of storage batteries V. A. Koshevol, Elek. i tepl. tuga 10 no. 11:22-23 N 1966

Intensifying the process of filling up alkali storage cell electrodes with active mass, M. F. Skalozubov, F. I. Kuzov, V. I. Matsokin Zhur. prikl. khim. 31 no. 6 1275-1280 Je 1961

Operational reliability of the storage batteries of a. c. trains, T. I. Mal'akov, Elek. i tepl. tuga 10 no. 11:30 N 1966

Plant testing of special petroleum bitumen in production of storage battery tanks, Sh. Sh. Spektor, L. G. Zekhaienko, T. A. Melnikants, Neftepr. i neftekhim. no. 9:21-24 1966

Regeneration of the electrolyte of alkaline storage batteries in locomotive repair shops, V. V. Tazin, Elek. i tepl. tuga 10 no. 12:28-29 D 1966

"RKA," set of tools for assembly of storage batteries, Prom. strol. i inzh. soor. 8 no. 6:133 N-D 1966

Storage battery charging device using germanium rectifiers V. Gavriushin Tekh. v sel'khoz. 21 no. 12:38-39 D 1961

Welding of storage battery plates P. A. Goshkov, Avtom. i telem. i svyaz' 10 no. 11:35 N 1966

## STORES, RETAIL-MANAGEMENT

Mordasova, L. A., and A. G. Novitskii, [Labor organization and the establishment of work norms in a store] Organizatsiia i normirovaniie truda v magazine, Moskva, Ekonomika, 1955 87 p.

## STORZH VALLEY-LARCH

Larch in the Storzh Valley, A. G. Ostroumov, Vop. geog. Kameh. no. 4:139 1966

## STORMS see subdivision under Azerbaijan, Lazarev region, Antarctica

## STOVE, GAS

Modernization of ring burners of the domestic gas stove, V. S. Belinova, L. I. Druskin, I. G. Chernysheva, Gor. khoz. Mosk. 35 no. 12:31 D 1961

## STOVES, GAS-STANDARDS

Russla (U. S. S. R.) Gosudarstvennyi komitet standartov, mer i izmeritel'nykh priborov, [Domestic gas stoves] Pilyi bytovye gazovye, GOST 10798-64, Izd. of tsitel'snoe, Moskva [Izd. vo Standartov] 1964, 22 p. SSSR, Gosudarstvennyi standart)

## STRAIGHTENING MACHINES

Kvartel'ko, A. S., [Straightening and cutting machines for machining reinforcement steel rods, a survey] Pravit'no-otreznye stanki dlia obrabotki stroytel'nogo armaturnoi stali, obzor, Moskva, NIIinformat'ski stoidokom-mumashi, 1965 56 p. (Seria 2: Oboryudovaniie dlia promyshlennosti stroitel'nykh materialov)

## STRAIN GAUGES

Strain measurement of large parts at high temperatures, E. A. Il'mantova, A. A. Zonkovich, L. S. Kuznetsova, Prikl. din. av. dvig. no. 3:109-113 1966

## STRAINS AND STRESSES

Analytic study of the foundations of mine supports, V. M. Budnik, Sbor. nauch. tr. PNIUI no. 10:112-121 1966

Calculating compressed and bent rods made from aluminum alloys, B. G. Bazil'nikov, Strol. mekh. i rasch. soor. 8 no. 10-13 1967

Calculating flat suspended trusses B. V. Gorcunstein, Strol. mekh. i rasch. soor. 9 no. 1:44-18 1967

Calculating rectangular reservoirs K. L. Sutov, Strol. mekh. i rasch. soor. 8 no. 1:25-27 1967

Calculating resistance to cracking of the lower boom and bearing joints of reinforced concrete trusses with strand reinforcement, M. Ishchenko, Prom. strol. i inzh. soor. 8 no. 6:27-29 N-D 1966

Calculating stresses and displacements caused in reinforced concrete structures by operational loads, A. M. Rozenblum, Bet i zhel.-bet. 12 no. 11:32-36 N 1966

Change in properties of high-strength steel wire under continuous reinforcement, B. L. Skliar, Bet i zhel.-bet. 12 no. 11:28-31 N 1966

Coefficients of internal stress of sandy soils, M. N. Golubova, Sbor. NIION. no. 56:177-183 1966

Concentration of strains and stresses under conditions of short-time breakdown at high temperatures, R. A. Dul'nev, Prikl. din. av. dvig. no. 3:331-316 1966

Decreasing dynamic loading from screens with the help of relieving beams, M. Svirkin, Prom. strol. i inzh. soor. 8 no. 6:11-12 N-D 1966

Determining bearing capacity of over-reinforced reinforced concrete beams, O. Dunchenko, Prom. strol. i inzh. soor. 8 no. 26-27 N-D 1966

Determining stresses in upsetting a thick strip with external zones in conditions of the two-dimensional forming, V. V. Litkintsev, I. A. Litkovskii, V. L. Kolmogorov, Izv. vys. ucheb. zav., chem. met. 10 no. 1:82-97 1967

Determining the angle of neutral section from projection diagrams of contact stresses during rolling, V. G. Gerasimov, Sbor. tr. TSNIICIM no. 14:57-73 1966

Determining the dynamic stress (T) - strain (E) relation at loading when the T(E) curve has an inflection point K. A. Kermov, Izv. AN Azerb. SSR Ser. fiz.-mat. i tekhn. nauk. no. 5:3-7 1962

Distribution of normal stresses on contact surfaces during upsetting of thin bodies P. F. Ivanushkin, V. I. Doroshko, Izv. vys. ucheb. zav., chem. met. 10 no. 1:98-103 1967

Distribution of stresses and displacements in elastic layer with free end face resting on rigid foundation bed during internal action of point loads, O. A. Shkhetel, O. E. Prikhodchenko, Sbor. NIION. no. 56:12-35 1966

Dokukin, A. V., and IU. D. Krasnikov, [Experimental study of loads on mining machine actuators, methods] Eksperimental'noe issledovanie nagruzok na ispolnitel'nomi organo goinykh mashin, metodika, Moskva, In-t gornogo dela im. A. A. Skochinskogo, 1960, 9 p.

Dynamic loads in the shafting of cutter-loaders during an emergency braking of actuating mechanisms, V. S. Glushchenko, L. M. Shepeva, Mash. i obr. dzh. mekh. i avtomatiz. tr. prot. v ugol' p. qm. no. 2:234-258 1965

Dynamic stress concentration around a square hole at steady wave motions, V. D. Kobenko, Prikl. mekh. 2 no. 12:67-75 1966

Effect of mechanical stress on the softening temperature of foamed materials, P. I. Solov'ev, IU. N. Polnikov, Plast. massy no. 1:47-49 1967

Effect of multiple repeated loading on reinforced concrete structures, T. S. Karanfilov, IU. S. Volkov, Trudy Gidropoekta no. 13:110-110 1966

Effect of the inhomogeneity of the solid phase on the resistance of concrete to cracking under stress, V. G. Pashkovskii, N. V. Mikhailov, P. A. Rohinder, Dokl. AN SSSR 171 no. 4:840-843 D 1966

Endurance and deformability of concrete under multiple repeated loading, T. S. Karanfilov, IU. S. Volkov, Trudy Gidropoekta no. 13:150-171 1966

Experimental determination of axial strength acting on shafts of electric centrifugal pump, N. F. Ivanobekii, Mash. i obr. dzh. mekh. i avtomatiz. tr. prot. v ugol' p. qm. no. 1:11-15 1966

Generalized theory of couple-stresses in elasticity theory, V. A. Lomakin, Vest. Mosk. un. Ser. I Mat., mekh. 22 no. 1:82-88 Ja-F 1967

Grishin, M. M., ed., [Methods of calculating stability and strength of hydraulic structures; reinforced-concrete structures on nonrock bases] Metody rascheta ustoiichivosti i prochnosti gidrotekhnicheskikh sooruzhenii; zhelezobetonnye sooruzheniia na neskal'nykh osnovaniakh, Izd. 2, [By] V. P. Likhachev i dr., Moskva, Stroiizdat, 1966, 438 p.

Hydrodynamic loads on from preventing structures and tail races of spillway dams, G. A. Ushakov, V. I. Likhachev, Trudy Gidropoekta no. 13:11-26 1966

Investigating the stressed state of a closed frame construction taking into consideration the elastic properties of soil, I. I. Gidmanov, Trudy Gidropoekta no. 15:30-40 1960

Investigation of internal stresses arising in the formation of nitro- and acetyl-cellulose films on glass supports [with summary in English] S. A. Stetsko, Prikl. fiz. A. S. Arvan, Koll. zhur. 23 no. 1:34-37 Ja-F 1961

Loads acting upon MK cutter-loaders during the extraction of cemented coal blocks, T. M. Pavlova, Mash. i obr. dzh. mekh. i avtomatiz. tr. prot. v ugol' p. qm. no. 2:12-23 1965

Partly of the components of the stress vector from the theory of plasticity, V. I. Mulya, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6:90-94 N-D 1966

Purpose of calculated endurance tests for a reinforcement from St. 5 steel, A. G. Sverdlov, Trudy Gidropoekta no. 13:120-134 1966

Relationship between deformations and stresses for a composite material having a strictly single-directional structure and resisting differently to tension and compression, A. S. Sogolov, Izv. AN Arm. SSR Ser. I Mekh. 10 no. 6:13-10 1966

Secondary stresses during structural transitions, S. D. Volkov, A. A. Vainsheln, M. L. Konstantinov, Prikl. metalloved. 22 no. 6:823-827 D 1966

Service of flexible sheet-pile walls in lifting mode V. V. Rengach, Transport. 16 no. 2:16-17 1966

Some corrections to methodology of calculating stresses on the through structures in deep sea, A. D. Abramov, Neft. khoz. 14 no. 11:15-19 N 1966

Stresses and displacements from horizontal loading at sides of plane quench with adjoining rigid walls, O. A. Shkhetel, Sbor. NIION. no. 56:41-41 1966

Stresses in notched elastic half-space, Zh. Prikl. i Soby. AN Chuz. SSR 44 no. 3:549-556 D 1966

Studying stresses and strains in pile foundation for a panel apartment house, Z. V. Bakhchev, O. D. Ivanov, i mekh. gran. 8 no. 6:11-13 1966

Studying work of reinforced concrete beams with internal reinforcement under dynamic loading, O. D. Ivanov, i mekh. gran. 8 no. 6:11-13 1966

Testing piles for slipping, M. I. Gidmanov-Ponomarev, i Shtetova, Sbor. NIION. no. 56:136-41 1966

Theory of mechanical properties of alkali and all dielectric metals, V. A. Zhdanov, V. F. Komarov, Izv. vys. ucheb. zav., fiz. 9 no. 6:83-100 1966

Universal equipment for determining the bearing capacity of rocks with the help of flat and spherical loads, A. A. Degtiarev, S. N. Prusov, Ugol' 31 no. 1:179-81 D 1966

Use of the regularization method in the calculation of arch dams, V. A. Morozov, V. F. Ivanov, Vest. Mosk. un. Ser. I Fiz., astr. 21 no. 6:171-186 1966

Transverse impact against a flexible membrane in the tunnel, Vest. Mosk. un. Ser. I Mat., mekh. 21 no. 6:104-107 N-D 1966

## STRAINS AND STRESSES-MODELS

Measuring stresses in models made of equivalent materials, V. I. Popov, A. Sh. Katsnel'son, Sbor. nauch. tr. PNIUI no. 10:152-155 1966

Studying stresses around mine workings at a three-dimensional problem, S. G. Boronko, G. V. Ivanov, Izv. vys. ucheb. zav., gor. zhur. 8 no. 6:41-41 1965

## STRAKHOV, NIKOLAI MIKHAILOVICH, 1900-

New achievements of the Soviet lithology: awarding of the Lenin Prize for 1960 to Academician N. M. Strakhov for his book "Principles of the theory of lithology" G. I. Bushinskii, Biol. MOIP, Qtd. geol. 16 no. 6:113-124 S-O 1961

## STRANGE PARTICLES

Electromagnetic processes and integral equations, A. A. Komol, L. M. Slad', Izv. v. red. Zhur. eksper. i teoret. fiz. 5 no. 2:67-70 Ja 1967

Note on mass formulae in unitary symmetry theory, V. I. Kadyshchevskii, Dokl. AN SSSR 172 no. 1:73-75 Ja 1967

Rejecting SU(3) asymmetry in strong interaction, V. I. Zol'dovich, Pis'ma v red. Zhur. eksper. i teoret. fiz. 4 no. 9:301-304 N 1966

Renormalization in quantum field theory model with degrees of freedom, V. B. Gsovlev, Vest. Mosk. un. Ser. I Fiz., astr. 21 no. 6:48-56 N-D 1966

Using algebra of currents for computation of radiative corrections in  $\beta$ -decay constant in theory of interacting boson, B. L. Ioffe, Pis'ma v red. Zhur. eksper. i teoret. fiz. 4 no. 9:376-378 N 1966

Weak interaction scheme with two bosons, V. I. Kuvshinov, Vest. Mosk. un. Ser. I Fiz., astr. 21 no. 6:9-14 Ja 1966

## STRANGE PARTICLES-SCATTERING

[Dispersion sum rules in the theory of strong interactions] Dispersionnyye pravila summ v teorii sil'nykh vyzhivaniy, [By] V. A. Matveev i dr., Dubna, 1967, 47 p. Zaslavskii, A. N., and V. Tyblov, [Moscow - Laryon scattering and the SU(6) group] Mezon-baryonnye rasschety i SU(6), Dubna, 1967, 17 p.

STRATIGRAPHIC GEOLOGY see Geology, Stratigraphic

STRATIGRAPHIC PALYONTOLOGY see Paleontology, Stratigraphic

#### STRAW AS FEED

Study of the fermentation of feeds. A. Krivonozhenkov, I. P. Iachkov. Tekhn. v ser'khov., 27 no. 1 26-27 '67.

#### STRAWBERRIES—GENETIC RESEARCH

Problems of comparative plant genetics. Report No. 1 Potential of genetic species variability as exemplified by Fragaria species. T. S. Fedeva. Genetika no. 12 36-45 '66.

STRAWBERRIES—VARIETIES see subdivision under Gorky Province

#### STREAM CROSSING, MILITARY

Airplane landing at a stream crossing. I. A. Samoilenko, A. I. Syzannov. Voen. vest. 41 no. 8:10-11 Je '61.  
Creative work in the basin of success. M. Vlasenko. Voen. vest. 41 no. 8:94-95 Je '61.  
Stream crossing company supports the forcing of a river. S. Tlupenko. Voen. vest. 41 no. 6:90-93 Je '61.

STREAM MEASUREMENTS see subdivision under Amu Darya

#### STREET CLEANING—EQUIPMENT AND SUPPLIES

Aidolin, I. I., and G. B. Klor. [Pickup attachments for sweeper cleaning machinery] Podbornye ustroystva podmetel'no-oborotnykh mashin. Moskva, NIIinformatsion. st. okkorkommunash, 1965. 20 p. (Seriya 3 Mashiny i obrudovanie dlia kommunal'nogo khoziaistva)

#### STREET LIGHTING—STANDARDS

Iluseta (U. S. S. R.) Komitet standartov, mer i izmeritel'nykh priborov. [Light fixtures with incandescent lamps and high-pressure mercury lamps for lighting streets, roads, and squares; general technical requirements] Svetilniki s lampami nalkalivaniia i dugovyimi i tsvetnyimi lampami (DRL) dlia osveshcheniia ulits, dorog i ploshchadei, obshchie tekhnicheskie trebovaniia, GOST 6045-66. Izd. Otselstvenno. Moskva, Izd-vo Standartov, 1966. 15 p. (SSSR, Gosudarstvennoe standarty)

#### STREET RAILWAYS—DESIGN AND CONSTRUCTION—SAFETY MEASURES

Afanasyev, A. S. [Safety manual for an erector of overhead contact and cable systems for streetcars and trolleybuses] Pamiatka po tekhnike bezopasnosti montazu kontaktov i kabel'noi setei na troleibuses. Moskva, Stroiizdat, 1965. 61 p. (Tekhnika bezopasnosti v kommunal'nom khoziaistve)

#### STREET RAILWAYS—ELECTRIC EQUIPMENT

Improvements in the design of the contact circuit of electric streetcars and buses. M. G. Trepashnikov, V. I. Arhipov, V. A. Antonov. Gor. khoz. Mosk., 39 no. 12 22-24 D '61.

#### STRENGTH OF MATERIALS

Some problems of adaptability of elastoplastic bodies. R. L. Litmanovich. Stroi. mekh. i rach. soor. 9 no. 4:31-34 '67.

Strain hardening effect in combined materials. V. I. Gul' and others. Dokl. AN SSSR 172 no. 4:637-640 Ja '67.

[Ways of increasing durability and life of building materials and structural elements] Puti povysheniia etozhnosti i dolgovechnosti stroitel'nykh materialov i konstruktsii. (Moskov.-m-Donu) Izd-vo Rostovskogo univ., 1965. 220 p.

#### STRENGTH OF MATERIALS—PROBLEMS, EXERCISES, ETC.

Gor'kovskii politekhnicheskii institut. Kafedra soproizvodstva materialov [Standard problems for tests and examinations on the courses of the strength of materials, theory of elasticity and mechanical engineering] Tipovye zadachi k zadaniam i ekzamenam po kursam soproizvodstva materialov, teorii uprugosti i stroitel'noi mekhanike mashin. Gor'ki, 1964. 18 p. [MICROFILM]

#### STREPTOCOCCUS—CULTURES AND CULTURE MEDIA

Activation of diacetyl production by Streptococcus diacetylactis. A. G. Grinovich. Mikrobiologiya 35 no. 6:600-1003 N-D '66.

#### STREPTOMYCIN

Characteristics of the clinical course of tubercular meningitis treated with streptomycin. R. M. Pustovskii. Trudy Turk. nauch.-issl. inst. khim., 100 no. 1:12-14, tech. 0:126-133 '65.

Effect of streptomycin on wheat seedlings. S. A. Alvarian, V. O. Bahaiian, A. G. Abramian. Biol. zhur. Arm., 19 no. 10:20-33 O '68.

Investigation of penicillinase activity in mycelial waste from the production of penicillin and streptomycin. O. I. Bashba, O. M. Zolchenko. Mikrobiol. zhur., 24 no. 5 25-27 '62.

#### STREPTOMYCIN—SIDE EFFECTS

Study of the functional state of the thyroid gland following prolonged introduction of streptomycin and penicillin. M. A. Khasimov, A. M. Kharitonova. Antibiotiki 12 no. 1:39-44 Ja '67.

#### STRESS (PHYSIOLOGY)

Reaction of the thyroid gland of hypophysectomized rats to stress. I. U. B. Skel'skaia, E. R. Bagraian. Probl. endok. i gorm. 8 no. 6 27-30 N-D '62.

Resistance to the cold and heat in animals receiving dibazol or subjected to muscular training and acclimatization. V. I. Rusin. Fiziol. zhur. 49 no. 3 350-365 Mr '63.

#### STRIP MINING

(see also subdivision under Andreyevskiy region, Kazakhstan, Dnepropetrovsk Province, Kuznetsk Basin)

Concerning the book by V. S. Nikitin and M. M. Chesnokov. "Efforts to control dust and gas in strip mine workings." N. Z. Bittolov. Ugol' 37 no. 12 69 D '62.

Smooth blasting in open-pit mining. S. A. Davidov, N. A. Pavlov. Vopr. dolo no. 61/61:11-21 '66.

#### STRIP MINING—COSTS

(see also subdivision under Krivoy Rog Basin)  
Selecting an economically advantageous variant of deposit stripping in open-pit mining. A. T. Shchepet and others. Izv. vyz. ucheb. zav., gor. zhur. 8 no. 9:18-22 '65.

#### STRIP MINING—EQUIPMENT AND SUPPLIES

(see also subdivision under Krivoy Rog Basin)  
Regulating the strength of explosives directly on the spot of blasting operations in open-pit mines. V. D. Mitin. Vopr. dolo no. 60/17 257-265 '66.

#### STRIP MINING—MANAGEMENT

Averaging iron ores in Lebedi deposit strip mines of the Kursk Magnetic Anomaly. V. N. Zarnafskii, I. U. S. Skhekin. Izv. vyz. ucheb. zav., gor. zhur. 10 no. 1:55-58 '67.

Open-pit mining of deposits by stages. V. S. Khokhriakov. Izv. vyz. ucheb. zav., gor. zhur. 8 no. 10:26 '65.

#### STRIP MINING—SAFETY MEASURES

(see also subdivision under Krivoy Rog Basin)  
Increase electrical safety in open-pit mining. L. V. Gladilin, B. G. Men'shkov, M. I. Barash. Bezop. truda v prom. 11 no. 1:10-11 Ja '67.

Paiferov, V. M. [Safety manual for a driller (in open-pit mining)] Pamiatka po tekhnike bezopasnosti dlia buril'shekh (na otkrytykh rabotakh). Izd. 2. Moskva, Stroiizdat, 1966. 20 p. (Tekhnika bezopasnosti i stroitel'stvo)

Prevention of open-pit mine electric networks against contact to ground. I. E. Vasil'ev, V. I. Shchepet. Bezop. truda v prom. 11 no. 1:10-11 Ja '67.

#### STRONGYLODIASIS see subdivision under Tonsk

#### STRONTIUM

(see also subdivision under Tajikistan, Yakutia)  
Lithium storage factors for strontium 90 in brown algae. L. I. Kulchinskaya. Dop. AN URSS no. 10:1318-1320 '66.  
Passage of strontium-90 in the milk and skeleton of cows absorbed with various feeds. N. A. Korneev, A. N. Sirotkin, N. I. Burov. Dokl. Akad. sel'khoz. nauk no. 9 37-39 S '66.

#### STRONTIUM ISOTOPES

Calculation of Sr90 doses. V. M. Malykhin. Med. rad. 11 no. 12 20-24 D '65.

#### STRONTIUM ISOTOPES—PHYSIOLOGICAL EFFECT

Morphological changes in the ovaries under the influence of Sr90 and the disturbance of the reproductive capacity of female white rats. T. V. Vorozheikina. Radiobiologiya 2 no. 4:601-606 '62.

#### STROPHANTHIN—PHYSIOLOGICAL EFFECT

Experimental study of the effect of strophanthin on the normal heart depending on different velocity of its introduction into blood. G. P. Khlopotova. Trudy LPMI 37:161-166 '65.

#### STRUCTURAL ALUMINUM see Aluminum, Structural

#### STRUCTURAL DESIGN

Lopatin, A. E. [Calculating the sections and designing ordinary and prestressed reinforced concrete structural elements] Raschet sечenii i konstruirovaniye elementov obychnykh i predvaritel'no napriazhennykh zhelezobetonnykh konstruktsii. Izd. 2, perer., i dop. Kiev, Budivelnik, 1966. 339 p.

#### STRUCTURAL FRAMES

Calculating for stability of free frames. A. I. A. Drivina. Stroi. mekh. i rach. soor. 9 no. 1 13-16 '67.

Continuous production of space structures. M. Odinov. Na stroi. Ros. 5 no. 3:16-17 Mr '64.

Investigating the stressed state of a closed frame construction taking into consideration the elastic properties of soil. I. I. Gribanov. Trudy TITMSKH no. 15:30-40 '66.

Metal rod space structures for industrial buildings. Prom. stroi. i inzh. soor. 8 no. 6:30-31 N-D '66.

[Space roof structures; a collection of scientific works] Prostranstvennye konstruktivnye pokrytiia; sbornik nauchnykh rabot. Leningrad, Stroiizdat 1966. 97 p.

#### STRUCTURAL FRAMES—ELECTROMECHANICAL

##### ANALOGES

Electromechanical analogies of plane frames of arbitrary configuration. I. E. O. Proskurin. Dop. AN URSS no. 12 1537-1540 '66.

#### STRUCTURAL GEOLOGY see Geology, Structural

#### STRUCTURAL STEEL see Steel, Structural

#### STRUCTURES, THEORY OF

Dual problems of direct and verifying calculation of elastoplastic frames. A. A. Chiras. Stroi. i arkhitekt. 7 no. 12:41-43 D '66.

Modification of the method of simultaneous iteration for a system of integral equations in problems of the theory of structures. V. N. Kudrina. Proch. i inzh. av. dvig. no. 3 185-187 '65.

Nikireev, V. M., and V. L. Shadurskii. [Practical methods of calculating shells] Prakticheskie metody rascheta obolochek. Moskva, Stroiizdat, 1966. 269 p.  
Snihko, N. K. [Structural mechanics] Stroitel'naya mekhanika. Moskva, Vysshaya shkola, 1966. 535 p.

#### STRUMILIN, STANISLAV GUSTAVOVICH, 1877-

Head of Soviet economic science. Vop. ekon. no. 1:141-145 Ja '67.

On Academician S. G. Strumilin's 90th birthday. Vest. stat. no. 1 35-36 '67.

Revolutionary and great scholar; on S. G. Strumilin's 90th birthday. Mir. ekon. i mezhdunar. otn. no. 1:70-71 '67.  
Statistics in S. G. Strumilin's work. L. Minis. Vest. stat. no. 1:36-37 '67.

#### STRUVE, VASILII VASIL'EVICH, 1869-1965

Academician V. V. Struveyan's obituary. Palest. sbor. no. 15:3-4 '66.

#### STRY REGION (UKRAINE)—WOODWORKING

##### MACHINERY

Efficiency promoter proposals at the Stry Industrial Corporation of Local Woodworking Enterprise. L. R. Diakon. Lis. hosp. i ts. i pap. i der. prom. no. 1:31 Ja-F '67.

#### STUDENT ACTIVITIES

(see also subdivision under Europe, Eastern, Kharkov, Krasnodar Territory)  
Development of the students' abilities in after class structural design groups. I. P. Evdokimenko. Shkola i prosv. 10 no. 10:60-63 O '66.

Educational value of holidays, evening gatherings, and the assemblies of all school grades. S. A. Dem'ianchuk. Shkola i prosv. 10 no. 10:27-30 O '66.

Good initiative and useful work. Nar. obr. no. 2:10, 15, 17, 18 F '67.

A mathematics study group in school. V. G. Pankratova, A. E. Shul'ceva. Nach. shkola 35 no. 2:28-33 F '67.

#### STUDENT-TEACHER RELATIONSHIPS see Teacher-student relationships

#### STUDENTS—POLITICAL ACTIVITY

The student movement before and during the February Revolution. L. M. Shalaginova. Vop. ist. KPSS 11 no. 2 102-104 F '67.

#### STUDENTS, CUBAN

Raul Cruz, the son of a blacksmith. T. Nikonova. Mol. komm. no. 12 85-89 D '61.

#### STUDENTS' SOCIETIES

The Komsomol organization in a school. V. F. Sidorenko. Vech. sred. shkola 9 no. 5:11-13 S-O '66.

Unchartered Komsomol organizations. K. P. Samoilov. Vech. sred. shkola 9 no. 5:13-18 S-O '66.

#### STUDY, METHOD OF

Learned or understood? K. Bardin. Sam'ia i shkola 22 no. 1:17-19 Ja '67.

Organization of independent work. M. A. Sazonova. Vech. sred. shkola 9 no. 5:42-45 S-O '66.

#### STURGEON BREEDING see subdivision under Azerbaijan

STURGEONS see subdivision under Caspian Sea; Kuybyshev Reservoir

#### STYLOLITES see subdivision under Dniester Valley

#### STYRENE

Effect of pH of the medium on the course of catalytic hydrogenation of  $\beta$ -nitrostyrene. L. Kh. Freidlin, E. F. Litvin, V. M. Chursina. Khim. i kat. 7 no. 6:1039-1044 N-D '66.

Producing styrene by the depolymerization of resins based on the products of petroleum hydrocarbon pyrolysis. O. M. Mamedaliev and others. Plast. massy no. 1: 27-30 '67.

#### STYRENE—SPECTRA

Spin-spin interaction of fluorine nuclei in nuclear magnetic resonance spectra of some fluorostyrenes. N. M. Sergeev, N. N. Shapet'ko, G. V. Timofeyuk. Teoret. i eksper. khim. 2 no. 5:704-708 S-O '66.



## SULFUR

(see also subdivision under Dniester Valley)

Distribution of sulfur between the charge mixture and products of smelting in a blast furnace G. A. Volovik, *Stal'* 21 no. 11-907-971 N '61.  
Natural gases of Central Asia are source of sulfur, A. M. Khutorov, V. E. Narizhnaia, *Gaz prom* 11 no. 12 6-8 '66.  
Reducing the amount of potassium formate in the absorbent solution of sulfur removal apparatus A. A. Radi-lovskii, *Koks i khim* no. 7 15-46 '62.

## SULFUR—ANALYSIS

Nature of the sulfur of mineral waters and hydrothermal deposits, M. M. Konstantinov, *Geokhimiia* no. 11 1027-1028 '61.

## SULFUR—SOLUBILITY

Solubility of sulfur in various petroleum fractions, A. Kh. Amirkhanov, *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 9 no. 5:843-844 '66.

## SULFUR BACTERIA see Bacteria, Sulfur

## SULFUR COMPOUNDS

Corrosive properties of sulfur-bearing diesel fuels in storage, M. M. Rafiev and others, *Sbor. trud. Az. NII NP* no. 3 92-101 '58.

Refining of gasoline, V. D. IAnapol'skii, I. E. Dolnukova, *Sbor. trud. Az. NII NP* no. 3:81-85 '58.

Removal of sulfur compounds from cracked gasoline, N. M. Indukov, S. N. Logina, *Sbor. trud. Az. NII NP* no. 3:71-80 '58.

## SULFUR COMPOUNDS—SPECTRA

Effect of chemical bonding on K $\alpha$  spectrum of sulfur, M. A. Blokhin, V. F. Demekhina, L. S. Gorbatenko, *Izv. vys. ucheb. zav.*, fir 9 no. 6:130-139 '66.

## SULFUR COMPOUNDS—THERAPEUTIC USE

Use of sulfur-containing compounds in the prevention of radiation lesions of the organism, A. P. Kirushchenkov, *Med. rad.* 7 no. 10 77-85 O '62.

## SULFUR DIOXIDE

Effect of water vapors on the interaction of soda with sulfur dioxide at temperatures above 100°C, V. S. Prikhanov, T. I. Kulin, *Izv. vys. ucheb. zav. khim. i khim. tekhn.* 9 no. 5:785-788 '66.

Production of highly concentrated sulfur dioxide by oxidation of pyrite with clinders in a fluidized bed, V. S. Aliev and others, *Sbor. trud. Az. NII NP* no. 3 144-454 '58.

## SULFUR FLUORIDES

Boundary curve liquid-gas for sulfur hexafluoride near its critical point, L. A. Maknitsvich, E. S. Sokolova, *Plis' v red. Zhur. eksper. i teoret. fiz.* 4 no. 10 409-413 N '66.

## SULFUR ISOTOPES

(see also subdivision under Carpathian Mountain region)

Radiochromatographic separation of certain mixtures of sulfur and concentration accelerators [with summary in English], I. V. Khodzhaeva, V. V. Kiselev, Kuli, *zhur.* 23 no. 3 322-326 My-Ju '61.

Trends of isotope effect at early stages of sulfide oxidation by purple bacteria, E. N. Kondrat'eva, V. L. Mekhiteva, N. S. Sumarokova, *Vest. Mosk. un. Ser. 6: Biol. i med.* 21 no. 5:43-48 S-O '66.

## SULFUR ORGANIC COMPOUNDS

Using chromatography in studying sulfur isotope exchange in sulfur organic compounds, V. S. Demchenko, N. F. Dorisanko, *Izv. vys. ucheb. zav. i nauch. i gaz.* 9 no. 8:54-58 '66.

## SULFURIC ACID

Decomposition of ilmenite concentrate by sulfuric acid, A. M. Bobrova, E. V. Balukova, V. B. Savel'eva, *Lakras, mat. i kh. prim.* no. 6:11-14 '66.

Properties of sulfuric acid as solvent, B. D. Berezin, *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 9 no. 5:717-723 '66.

Spectroscopic study of the behavior of anthraquinone in sulfuric acid and oleum, I. E. Ovcharenko, N. P. Vinogradova, *Teoret. i eksper. khim.* 2 no. 5:887-890 S-O '66.

Studying the effect of the modulus of concentrated sulfuric acid and the presence of sugars in it on the solubility of cellulose, L. P. Vyrodova, V. I. Sharkov, *Sbor. trud. NIGS* 14:151-165 '65.

Studying the hydrolyzability of cellulose after its swelling in concentrated sulfuric acid, L. P. Vyrodova, V. I. Sharkov, *Sbor. trud. NIGS* 14:152-160 '65.

Studying the problem of heavy corrosion of the equipment of the acid unit due to the use of technical sulfuric acid in hydrolysis, E. A. Adamovich, V. A. Efimov, M. M. Isaeva, *Sbor. trud. NIGS* 14:148-56 '65.

Sulfuric acid method of purifying benzol, A. P. Kolesov, V. Z. Sokolov, *Koks i khim.* no. 5:41-44 '62.

Synthesis and some reactions of amide sulfates, A. A. Michurin, E. N. Zil'berman, *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 9 no. 5:775-778 '68.

Temperature dependence of ascharite dissolution rates in sulfuric acid solutions, A. B. Zdanovskii, A. P. Burcova, *Izv. vys. ucheb. zav. i khim. i khim. tekhn.* 9 no. 5:592-595 '66.

## SULFURIC ACID, EFFECT OF RADIATION ON

Pulse radiolysis of aqueous solutions of sulfuric acid, A. K. Pikaev, V. I. Zolotarevskii, *Izv. AN SSSR, Ser. khim.* no. 1 186-190 Ja '67.

## SULFURIC ACID INDUSTRY

Outdoor location of systems in production of contact sulfuric acid, G. F. Luk'ianov, *Prom. stroi.* 44 no. 12:22-26 '66.

## SULTANGULOVSKIY REGION (ORENBURG PROVINCE)—OIL RESERVOIR ENGINEERING

Developing the Devonian pools of the Sultangulovo area in Orenburg Province, A. M. Karapetov, *Nauch.-tekhn. sbor. po dokh. naft.* no. 3:3-10 '59.

## SUMY—MILITARY MUSEUMS

A club of battle glory, O. A. Aleksandrenko, *Agitator* 34 no. 4 46-47 F '67.

## SUMY PROVINCE—AGRICULTURE

Their words aren't supported by their deeds, M. Rodionov, *IU Filatov. Mol. komm.* no. 6 51-58 Ja '61.

## SUMY PROVINCE—GEOGRAPHY

Hudzenko, P. A. [Sumy Province; a geographic sketch] *Sums'ka oblast', geografichni narys, Vidpovidal'nyi red. O. T. Dibrova, Kyiv, Radians'ka shkola*, 1958, 119 p. (Oblasti Ukraini'koï RSR) (NM)

## SUN

Relationship between geotectonics and solar activity, A. D. Sytinskii, *Inform. biul. Sov. antark. eksp.* no. 26 5-10 '61.

## SUN—FLOCCULI

Cause of increase in brightness of flocculi during chromospheric flares, R. E. Guseinov, *Trudy Shem. astrofiz. obser.* 3:5-11 '61.

## SUN—PROMINENCES

Spectrophotometry of the unusual solar prominence of July 2, 1958, O. A. Mel'nikov, S. S. Zhuravlev, I. A. Azlanov, *Trudy Shem. astrofiz. obser.* 3:40-62 '64.

## SUN YAT-SEN, 1890-1925

'Formation of Sun Yat-sen's revolutionary views and the foundation of the Society for the Renaissance of China' by Chin Chung-chi, Hung Sheng-wu, Abstract from 'Li shih yen chih' no. 5 1960 by R. N. Sikacheva, *Sovr. kit. lit. po obshchestv. naukam* no. 42:25-29 '61.

## SUNBATHS

Effect of weather during solar-air and sea baths on arterial pressure, M. I. Mokler, *Vop. kur., fizioter. i lech. fiz. kul't.* 31 no. 6:554-558 '66.

Sea climate and heliotherapy in the comprehensive treatment of tuberculous of female genital organs, I. Khal-movich and others, *Vop. kur., fizioter. i lech. fiz. kul't.* 27 no. 6:544-549 N-D '62.

## SUNFLOWER SEED

(see also subdivision under Kabardino-Balkar A. S. S. R.; Moldavia; Ust'-Labinsk District)

Effect of thermal processing on the protein substances of oil-rich sunflower seeds, V. G. Shcherbakov, V. N. Sirko, *Masi, zhir. prom.* 33 no. 1:6-7 Ja '67.

Form coefficient of oil-rich sunflower seeds, B. N. Kirievskii, A. T. Kuznetsov, *Masi, zhir. prom.* 33 no. 1:7 Ja '67.

## SUNFLOWER SEED OIL

Changes in properties of sunflower seed oil in frying fish for canning, A. V. Utiyeva-Malova, A. A. Ver-shinin, *Vop. pit.* 25 no. 6:54-57 N-D '66.

Changes in the quality of sunflower oil occurring during high temperature preheating, E. L. Keizner, L. F. Reznichenko, *Kons. i ov. prom.* 17 no. 3:35-36 Mr '62.  
Studying the stability of sunflower seed oil in the presence of heavy metal salts, S. S. Kondratenko, I. A. Pokorny, G. I. Anichek, *Masi, zhir. prom.* 33 no. 1:6-10 Ja '67.

## SUNFLOWERS—DISEASES AND PESTS see subdivision under Ukraine

## SUNZHENSKIY DISTRICT—PRODUCE TRADE

Leading procurement office, V. Konstantinov, *Zakup. sel'khoz. prod.* no. 11:48-50 N '66.

## SUPERCONDUCTIVITY

Effect of delay on appearance of tunnel characteristics of superconductors, I. U. M. Ivanchenko, *Plis' v red. Zhur. eksper. i teoret. fiz.* 4 no. 9:353-361 N '66.

Effect of microheterogeneity on critical currents in superconducting alloys, V. I. A. Pakhomov and others, *Fiz. met. i metalloved.* 22 no. 4:640 O '66.

Local approximation in the electrodynamic of London's superconductors, A. V. Svidzinski, V. A. Silusarev, *Dokl. AN SSSR* 172 no. 3:566-571 Ja '67.

Localization of spins in superconductor, O. S. Aphihamov, E. A. Fedorov, *Plis' v red. Zhur. eksper. i teoret. fiz.* 4 no. 10:416-418 N '66.

Thermodynamic properties of thin superconductive films, D. A. Kirzhnits, E. G. Maksimov, *Fiz. met. i metalloved.* 22 no. 4:520-528 O '66.

Tunnel current from second-group superconductor into normal metal, H. A. Hladze, *Ukr. fiz. zhur.* 11 no. 12, 1307-1310 D '66.

## SUPERCONDUCTORS, EFFECT OF TEMPERATURE ON

Critical temperature of small-size superconductors, E. A. Shapoval, *Plis' v red. Zhur. eksper. i teoret. fiz.* 5 no. 2:57-61 Ja '67.

Superconductivity in a nonequilibrium system, E. G. Balyev, *Plis' v red. Zhur. eksper. i teoret. fiz.* 5 no. 2:45-48 Ja '67.

## SUPERSONIC AERODYNAMICS see Aerodynamics, Supersonic

## SUPERSONIC PLANES—SAFETY APPLIANCES

Floating fin, S. Skripnichenko, *Av. i kosm.* no. 1:44-47 Ja '67.

## SUPERSTITION

Superstition and religion, N. N. Grudinin, *Trudy Irk. un.* 36 no. 4 181-195 '65.

## SUPPLY AND DEMAND

Demand and possibilities of satisfying it, M. Darbinian, *Sov. torg.* 40 no. 2:19-10 F '67.

Direct ties of suppliers and consumers, A. I. Roshchin, *Vest. LGU* 21 no. 23:21-31 '66.

Economic reform and planning for commodity production, R. Lokshin, *Sov. torg.* 40 no. 12:8-13 D '66.

Morozov, N. N., and N. I. Belik. [Studying the demand for goods] *Izuchenie sprosa na tovary*, Moskva, Ekonomika, 1957, 118 p.

## SUPPLY AND DEMAND—CONGRESSES

Economic need as a problem of political economy, N. Bern, *Nauch. dokl. vys. shkoly, ekon. nauki* 10 no. 1:94-95 '67.

## SUPPURATION

Diffuse suppurative bilary peritonitis, A. A. Khachatryan, *Azerb. med. zhur.* 43 no. 12:3-8 D '66.

Mel'nikov, N. I., and Z. N. Mel'nikova. [Antibiotics in the treatment of suppurative infections] *Antibiotiki v terapii gnoynnykh infektsii*, Moskva, Meditsina, 1966, 254 p. (DNLM)

Study of the development of amyloidosis in chronic suppurative pulmonary diseases, G. D. Pollakov, *Sov. med.* 29 no. 11 10-13 N '55.

Suppurative lobitis, S. L. Lihov, S. C. Ostrovskii, *Grud. khir.* 9 no. 1:70-79 Ja-F '67.

Treatment of suppurative pulmonary diseases with intratracheal introduction of antibiotics, M. A. Kalagova, T. A. Maslennikova, *Sbor. nauch. trud. SOGM* no. 10:160-171 '61.

## SURAKHANY (AZERBAIJAN)—PARAFFIN WAX

Conditions for the dewaxing process of a large fraction and of the lubricant 6 distillate from Surakhany selective crude by the use of carbamide, A. M. Kuliev and others, *Sbor. trud. Az. NII NP* no. 3:154-173 '58.

Production of tractor motor oils from a large oil fraction of Surakhany selective crude using the dewaxing method with carbamide, A. M. Kuliev and others, *Sbor. trud. Az. NII NP* no. 3:144-153 '58.

## SURFACE ACTIVE AGENTS

Effect of surface active derivatives of sulfosuccinic acid of micro-organisms, I. G. Resnitskov, E. K. Anufriev, *Masi, zhir. prom.* 32 no. 11 22-24 N '66.

Effect of surface-active substances on the rate of growth of silver single crystals in the process of electrolysis, M. S. Zubov, A. T. Vagranian, *Elektrokhimiia* 2 no. 12:1426-1430 D '66.

Production and properties of alkylsulfonolides, a new surface active agent, Report No. 1, I. U. M. Volkov, L. N. Kulla, *Masi, zhir. prom.* 32 no. 10:28-29 O '66.

Production and properties of alkylsulfonolides, a new surface active agent, Report No. 2, I. U. M. Volkov, L. N. Kulla, *Masi, zhir. prom.* 32 no. 11:27-28 N '66.

Results of experimental study of carbonate dissolving in acid foam, V. S. Ugolov, *Neft. khim.* 44 no. 11:48-52 N '66.

Selection of surface-active additions for copper-tin alloy electroplating, I. U. E. Gerentov, A. P. Elchis, *Ukr. khim. zhur.* 32 no. 11:1243-1248 '66.

Structure of electric double layer on platinum in the presence of surface-active cations and anions, G. N. Mensurov, V. E. Kazarinov, N. A. Balashova, *Elektrokhimiia* 2 no. 12:1438-1443 D '66.

Studying the solubilizing capacity of some synthetic surface active agents, B. M. Brevskii, I. U. V. Utiyeva, *Masi, zhir. prom.* 32 no. 11:24-26 N '66.

Third All-Union Conference on Synthetic Fat Substitutes, Surface Active Agents, and Synthetic Detergents, *Masi, zhir. prom.* 32 no. 10 1-5 O '66.



## SURFACE CHEMISTRY

Adsorption of nitrides to steel and slag. S. B. Chuchmarov, O. I. Lian, V. M. Pankov, I. V. Vys. ucheb. zav., Chern. met. 10 no. 116-10 '67.

Infrared spectroscopic study of isotope change with surface hydroxyl groups of chemically modified silica (with summary in English). V. I. Lygin, V. V. Kiselev, Koll. zhur. 21 no. 3 299-303 N.Ye. '61.

Interdiffusion in products of blast furnace smelting of titanium magnetites and metal losses in slags. I. N. Zakharev and others. Izv. VSSR Met. no. 124-30 Ja. '67.

## SURFACE HARDENING

Some characteristics of the heat aging of an epoxy compound of hot hardening. R. M. Kessenikh, I. V. P. Poykhov, A. V. Petro, Izv. Vys. ucheb. zav., fiz. 9 no. 6 111-113 '66.

## SURFACE TENSION

Method of measuring surface tension with an automatic drop counting (with summary in English). S. A. Nikulina, A. B. Laubman, Koll. zhur. 23 no. 3 317-319 N.Ye. '61.

Properties of the phase separating interface in liquid silicon-manganese with molten slags. Sh. M. Muklishvili, I. U. M. Gogiberidze, Soob. Akad. Nauk SSSR 41 no. 3, 687-692 D. '66.

Surface tension of fused salt solutions in the systems NaCl - CaCl<sub>2</sub> and NaCl - CaCl<sub>2</sub> - BaCl<sub>2</sub>. M. F. Lantarov, Zhur. prikl. khim. 34 no. 6 1249-1257 Je. '61.

## SURFACES

Calculation of sought for surfaces in three-dimensional method of characteristics. K. M. Magomedov, Dokl. Akad. Nauk SSSR 171 no. 6, 1297-1300 D. '66.

## SURFACES (TECHNOLOGY)

Effect of the surface roughness of an object on sensitivity of ultrasonic testing by immersion methods. A. F. Mel'nikov, S. K. Pavlov, Defektoskopiya 2 no. 5, 25-31 '66.

## SURFACES (TECHNOLOGY)—DRAWINGS

Indicating on drawings allowed errors in the layout of holes. I. M. Batalov, Stand. i kach. 30 no. 11-24-27 N. '66.

Limiting errors in shape and arrangement of surfaces. N. M. Nikolaev, Stand. i kach. 30 no. 11 33-37 N. '66.

## SURFACES OF CONSTANT CURVATURE

Field theory in a space of constant curvature. D. F. Kurdgelaidze, Vest. Mosk. un. Ser. 3: Fiz., astron. 21 no. 6 990-993 N-D. '66.

## SURGERY—BIBLIOGRAPHY see Bibliography—Surgery

## SURGERY—COMPLICATIONS AND SEQUELAE

Errors and dangers in the resection of the stomach with the inversion of the duodenum and measures for their prevention. V. G. Borisov, Khirurgiya 38 no. 11 83-87 N. '62.

Syndrome of the afferent loop and its surgical treatment. A. I. Sveshnikov, Sov. med. 30 no. 1102-108 Ja. '67.

## SURGERY—CONGRESSES see subdivisions under Moscow

## SURGERY, OPERATIVE

Opening of the capsule of a gravity abscess along a guiding needle. O. I. A. Sandovskii, Ortop., travm., i protez. 27 no. 12 83-84 D. '66.

Operative techniques in inguinal hernia preventing its recurrence. A. A. Shalimov, Khirurgiya 42 no. 12, 87-90 D. '66.

Surgical treatment of neglected strangulated femoral hernias complicated by phlegmon of the sac. V. V. Ivanov, Khirurgiya 42 no. 12 94-95 D. '66.

Treatment of encapsulated pleurisy and chronic adhesive compressive pericarditis simultaneously with pleurectomy and subtotal pericardectomy. A. N. Kabanov, I. I. Blau, G. L. Feofilov, Grud. khir. 9 no. 1 87-91 Ja. '67.

## SURGERY, PLASTIC

Case of plastic surgery using capron in aneurysm of the abdominal aorta. N. M. Volobuev, I. A. Ivanchenko, Grud. khir. 9 no. 1 115 Ja. '67.

Experience in the reconstruction of defects of the anterior abdominal wall by alloplasty. A. I. A. Fischechenko, Khirurgiya 38 no. 11 87-92 N. '62.

Formation of capsules and regenerative processes in the alloplasty of segments of the esophagus. V. P. Kulik, Khirurgiya 38 no. 11 81-87 N. '62.

Plastic repair of a defect in the cardiac wall using lyophilized myocardium. O. N. Survillo, E. G. Naumets, Arkh. pat. 28 no. 12 118-21 '66.

Plastic surgery on the anterior abdominal wall using parolon. I. S. Vasilenko, S. N. Mukhoedova, Khirurgiya 38 no. 11 82-97 N. '62.

## SURGICAL INSTRUMENTS AND APPARATUS

Experience in the practice of using a metal clamp (pellet) in fixation of the mediastinum and chest. S. I. Baidin, Grud. khir. 9 no. 1 118 Ja. '67.

New flat dilator for surgery in mitral stenosis. B. V. Petrovskii, A. M. Geselevich, N. S. Gorkin, Khir. i ginek. 38 no. 11 128-130 N. '62.

## SURGICAL AND TOPOGRAPHICAL ANATOMY see Anatomy, Surgical and topographical

## SURGICAL DRAINAGE see Drainage, Surgical

## SURGICAL OPERATIONS see Operations, Surgical

## SURKHAN DARYA PROVINCE—COURTS

The councils of people's assessors. Shamirzaev, Soob. zakon. 38 no. 7 71 JI. '61.

## SURPLUS COMMODITIES

Put the unused material resources in business circulation. Mat. i tekhn. snobzh. 1 no. 4 1-5 O. '66.

Sale of goods at the fairs. E. Sukhareva, Mat. i tekhn. snobzh. 1 no. 4 53-56 O. '66.

## SURVEYING

Adjusting nets constructed by Professor A. I. Durnov's method of fixed point interpolation. G. S. Bronshteyn, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 53-64 '62.

Calculating mirror-lens systems from third-order aberration formulas. D. A. Romanov, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 123-129 '62.

Calculating the accuracy of layout surveys. N. G. Viduev, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 3-8 '62.

Determining the weight of a function of quantities adjusted by indirect measurements. V. P. Korylov, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 29-33 '62.

Inversion algorithm for symmetrical matrices. A. Z. Sazonov, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 77-80 '62.

Investigating the arbitrary normal section on an ellipsoid of rotation. V. N. Gan'shin, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 9-16 '62.

Notes on the article of A. I. Bolotin "Increasing the efficiency of the method of least squares in the control of systematic errors." I. U. V. Kemnitz, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 133-135 '62.

Relation of conjugate bearing methods to triangular factorization. B. F. Magus'kin, Izv. Vys. ucheb. zav., geod. i aerof. no. 6 65-75 '62.

Surveying work at construction of grain elevators. I. I. Bolgov, V. R. Chepulevich, Prom. stroit. 44 no. 12: 38-40 '66.

## SURVEYING—INSTRUMENTS

Standardization of geodetical instruments. Stand. i kach. 30 no. 11 80-81 N. '66.

## SUSPENSION BRIDGES see Bridges, Suspension

## SUSPENSION ROOFS see Roofs, Suspension

## SUSPENSIONS (CHEMISTRY)

Classification of muddy water and flotation tailings with the help of a direct electric current. L. V. Koi chingli and others, Ugol' Ussr. 7 no. 3, 24-25 Mr. '63.

Formation mechanism of jellies in the denaturation of egg albumin. A. S. Zholobovskaya, V. A. Izmailova, Dokl. Akad. Nauk SSSR 172 no. 1 130-132 Ja. '67.

## SUSPENSIONS (CHEMISTRY)—ACOUSTIC PROPERTIES

Ultrasonic wave scattering in monodisperse graphite suspensions. I. G. Mikhailov, I. S. Koltsova, A. K. Devdariani, Vest. LGU 21 no. 22 56-61 '66.

## SUTAM VALLEY—PLAGIOCLASE

Some regularities in the change of the composition and laws of the twinning of plagioclases in the granitization of Archean and Proterozoic rocks in the upper Sutam (Stanovoy Range). V. A. Kidriavtsev, Blud. MOIP, Otd. geol. 36 no. 6 139-150 S-O. '61.

## SUTURES

Apparatus UT-70 and its use in pulmonary surgery. S. I. Babichev, T. N. Androsova, Sov. med. 20 no. 10 44-47 O. '66.

Sharing of the common bile duct following choledochotomy. G. M. Antonenkov, Khirurgiya 42 no. 12 25-28 D. '66.

## SVALYAVA REGION (UKRAINE)—LUMBERING

Effectiveness of the use of logging slash at the Svalyava Logging Combine. I. U. Turytsin, Les. bum. i dor. prom. no. 3 73-81 '66.

## SVERDLOVSK—CLERKS (RETAIL TRADE)

Ordinary woman. L. Neverov, Sov. iorg. 40 no. 12 20-31 D. '66.

## SVERDLOVSK—CONSTRUCTION INDUSTRY—FINANCE

Strive to fulfill the internal investment plans. I. Khrzhanovskii, Fin. SSSR 40 no. 12 60-61 D. '66.

## SVERDLOVSK—CONSTRUCTION INDUSTRY—MANAGEMENT

Overall plan for scientific organization of labor in housing construction combine. M. Kurnetsov, Na stroit. Ros. 7 no. 12 9-10 D. '66.

## SVERDLOVSK—CORRESPONDENCE SCHOOLS AND COURSES

Dismantling of advanced educational experience. T. I. Bogomolova, Vych. i stud. shkola 9 no. 5 83-84 S-O. '66.

## SVERDLOVSK—INDUSTRIAL MANAGEMENT

Studies and innovations on scientific organization of labor. Part 2. No. 1 no. 1 60 I. '67.

## SVERDLOVSK—INDUSTRIAL MANAGEMENT—CONGRESSES

Sverdlovsk workers share their experience. M. Hephil zhurov, A. Makhomov, Soob. zakon. 12 no. 2 64-70 J. '67.

## SVERDLOVSK—MACHINERY INDUSTRY—MANAGEMENT

Problem is solved in the entirety. M. Masek, Soob. zakon. 12 no. 2 70-81 J. '67.

## SVERDLOVSK—MILKING MACHINES

Maintain discipline in delivery. N. Lukashenko, Mat. i tekhn. snobzh. 1 no. 1 77 O. '66.

## SVERDLOVSK PROVINCE—BANKS AND BANKING

Strive to fulfill the internal investment plans. I. Khrzhanovskii, Fin. SSSR 40 no. 12 60-61 D. '66.

## SVERDLOVSK PROVINCE—BUILDING INSPECTION

For the inspection of better residential and public buildings. A. Lukashenko, Na stroit. Ros. 4 no. 12 20-21 S. '66.

## SVERDLOVSK PROVINCE—CATTLE TRADING

Remove obstacles in the organization of direct trade in the procurement of cattle. D. Azarov, Zakup. i prod. 1 no. 8 11-15 Ag. '66.

## SVERDLOVSK PROVINCE—CAVES

Caves of the Sukhoy Log-Kamenka region in Sverdlovsk Province. M. I. Givshin, Pecherny 2 no. 2 10-16 '62.

## SVERDLOVSK PROVINCE—ECONOMIC CONDITIONS

Kozlov, M. P. [The labor glory of the Ural people] (trial) (with summary in Russian). Sverdlovsk, Stedne-Ural'skoe knizhnoe izd-vo, 1960, 139 p. (CS-11)

## SVERDLOVSK PROVINCE—RURAL CONSTRUCTION—MANAGEMENT

Practice in the organization of production and labor. I. Buldakov, Na khor. Kozakh. 24 no. 12 50-61 N. '67.

## SVERDLOVSK PROVINCE—SCRAP METAL INDUSTRY—MANAGEMENT

Duplication is harmful to the business. S. I. Ivanovskii, Fin. SSSR 41 no. 1 52-54 Ja. '67.

## SVERDLOVSK PROVINCE—TEACHERS, TRAINING OF

Raising the professional and cultural qualifications of present-day Soviet teachers. V. F. Noshkov, Vych. i stud. shkola 9 no. 5 106-117 '66.

## SVYATOGORSK—SANATORIUMS

Effectiveness of treating allergic patients in the sanatoriums of Svyatogorsk. K. G. Abramovich, Vop. i resheniya, i lek. fiz. kult. 21 no. 6 530-514 N-D. '62.

## SWAMPS

Afforestation of drained transitional bogs. Shor. soobshch. i dokl. na 10. konf. no. 6 201-227 '63.

Automobile roads for construction work in timber swamps. V. I. A. Kuchenko, Prom. stroit. 10 no. 1 8 Mr. '66.

Spruce plantations on drained bogs in Kolyma and Pr. vinn. u. M. M. Dzhuravskii, Shor. soobshch. i dokl. na 10. konf. no. 6 248-261 '63.

## SWEAT GLANDS—DISEASES

Syringadenoma of the skin. A. V. Chubareva, Arkh. i 28 no. 12 48-51 '66.

## SWEDEN—EDUCATION, SECONDARY

Prospects for the development of secondary schools in Sweden. E. Sokolov, Na stroit. no. 1 106-110 Ja. '67.

## SWEDEN—ELECTRONIC DATA PROCESSING—ROADS—DESIGN

Using photogrammetry and electronic computers when planning roads in Sweden. F. D. Rabinovich, Prom. stroit. 16 no. 2 57 F. '66.

## SWEDEN—ORE DEPOSITS

Regions of alkali rocks and certain mineral deposits in Sweden: field trip of the 21st Session of the International Geological Congress. M. P. Semenovskii, Geol. zhur. 21 no. 1 96-102 '61.

## SWEDEN—ROCKS, IGNEOUS

Regions of alkali rocks and certain mineral deposits in Sweden: field trip of the 21st Session of the International Geological Congress. M. P. Semenovskii, Geol. zhur. 21 no. 1 96-102 '61.



## TACHOMETER

Noncontact a.c. tachometer generators. O. N. Suslova and others. *Biul. tekhn. inform. Gos. nauch. inst. nauch. i tekhn. inform.* 19 no. 11:53-53 N '66

## TACH'ING DYNASTY see Manchus

## TAENIA

Some morphological problems of *Taenia taenioides*. V. D. Gonim. *Biul. MOIP. Old. geol.* 36 no. 3:149-150. My-Jc '61

Taeniarhynchosis and its control in the U.S.S.R. L. I. Protopenko. *Med. paraz. i paraz. bol.* 35 no. 6:652-661 N-D '66.

Treatment of taeniasis with the extract of male fern. G. A. Dashatants. *Shoi. nauch. trud. SOGMII* no. 10:155-157 '61

## TAGANROG—BOILERMAKING INDUSTRY

Shortcomings in making TP-80 boilers. N. M. Balin, V. G. Kachkin. *Bezop. truda v prom.* 11 no. 1:23-25. Ja '67

## TAIGAS

(see also subdivision under Europe, Eastern)  
Some characteristics of the seasonal development and growth of oak seedlings in the biogeocenosis of southern taiga. P. P. Treskin. *Bot. zhurn.* 51 no. 12:1740-1748. D '66

## TAIPING REBELLION, 1850-1864

"Character of the Taiping Rebellion" by Wang Ch'ên-jên. Abstract from "Wu hsing ta hsueh jen wan k'ia hsueh hsueh piao" no. 6:1959 by S. I. Zaitseva. *Sov. kul. lit. po obschestv. naukam* no. 42:36-42 '61.

## TAJK DEPRESSION—PALEO GEOGRAPHY

Faunas and paleogeographic characteristics of Rhatician-Jurassic formations in the Tajik Depression. V. I. Troitskii. *Biul. MOIP. Old. geol.* 36 no. 5:133-134. S-O '61.

## TAJKISTAN—AERONAUTICS IN AGRICULTURE

Cotton growers' faithful friends. Kh. N. Mirzaniants. *Grazhd. sv.* 19 no. 2:6-7. I '62.

## TAJKISTAN—ALFALFA

New occurrence of *Medicago grossheimii* Vass. in Tajikistan. A. M. Kovalevskaya. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:93-96 '66

## TAJKISTAN—ANEMONES

Morphological and biological characteristics of some anemone species seedlings in Tajikistan. M. M. Sharipova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:97-101 '66.

## TAJKISTAN—ATMOSPHERIC TEMPERATURE

Brief agroclimatic characteristics of temperate conditions in the northern regions of the Tajik S.S.R. L. Kuz'yabeva. *Izv. Uzb. fil. Geog. ob-shch.* 9:37-42 '66.

## TAJKISTAN—BOTFLIES

Occurrence of little-known *Gastrophilus haemorrhoidalis* var. *flavipes* Olf. (Diptera, Gastrophilidae) in Tajikistan. Sh. Baranov. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:102 '66.

## TAJKISTAN—CELESTITE CRYSTALS

Crystallographic forms of celestite from the Gullayskoye deposit of strontium in the Tajik S.S.R. E. K. Podporina. *Trudy IMGRE* no. 4:139-141 '60.

## TAJKISTAN—CLIMATE

Characteristics of loss of blood in labor under hot climate of Tajikistan. M. T. Pulatova. E. D. Lapteva. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:118-122 '66

## TAJKISTAN—COTTON—DISEASES AND PESTS

Biology of *Meiodelphyne incognita* acrisa Chitwood, 1919 in Tajikistan. N. I. Semikolenova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:48-51 '66

## TAJKISTAN—EWES—FEEDING AND FEEDS

Effect of cobalt, copper and iron on productivity of Gissar ewes. N. Saliev. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 4:92-99 '66.

## TAJKISTAN—GALENA

Crystallochemical characteristics of galenite from Dzhalau deposit (Tajikistan). L. M. Stupkina. *Zap. Vses. min. ob-shch.* 95 no. 8:713-715 '66.

## TAJKISTAN—GEOLOGY, STRATIGRAPHIC

Stratigraphic comparison of Neogene sediments of southwestern spurs of Gissar Range, Tajik Depression and Darvaza Range. F. P. Korsakov. *Nauch. trudy TashGU* no. 234: Geol. nauki no. 20:246-257 '64.

## TAJKISTAN—INSECTS, INJURIOUS AND BENEFICIAL—BIOLOGICAL CONTROL

Review of some scientific advances in biological method of controlling injurious insects and its future development in Tajikistan. M. N. Narzikulov. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 4:3-14 '66.

## TAJKISTAN—JUMPING PLANT LICE

New species of jumping plant louse (Homoptera, Psyllodea) of Tajikistan. V. G. Baeva. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 1:68-77 '66

## TAJKISTAN—NEMATODE DISEASES OF PLANTS

Biology of *Meiodelphyne incognita* acrisa Chitwood, 1919 in Tajikistan. N. I. Semikolenova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:48-51 '66

## TAJKISTAN—PARASITES—MARMOTS

*Typanosoma* and *Sarcosporidia* of *Marmota caudata* Gmelin. E. A. Muratov. A. U. Kulm. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 3:103-105 '66

## TAJKISTAN—POLITICS AND GOVERNMENT

Tajik S.S.R. Verkhovnyi Sovet. [Meetings of the Sixth Supreme Soviet of the Tajik S.S.R., fourth session, December 22-23, 1964, verbatim report.] Zasedaniya Verkhovnogo Soveta Tadzhikskoi SSR sheshtogo sozyva (chertvertaya sessiya) 22-23 dekabr 1964 goda, stenograficheskii otchet [Dushanbe, 1965] 477 p. [In Tajik, Russian, and Uzbek.]

## TAJKISTAN—POLLEN—MORPHOLOGY

Materials on palynology of Tajikistan flora. I. S. Rikabova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 1:51-59 '66.

## TAJKISTAN—PUBLISHERS AND PUBLISHING

Knizhnaya palata Tadzhikskoi SSR. [The press of the Tajik S.S.R., 1959-1963; statistical materials.] Pechat' Tadzhikskoi SSR, 1959-1963; statisticheskie materialy. Dushanbe, 1964. 81 p. (MII)

## TAJKISTAN—RED SPIDER

Materials on biology and ecology of *Schizotetranychus pruni* Oud. (Acarina, Tetranychidae) in Tajikistan. Z. I. Stuknova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 1:69-80 '66

## TAJKISTAN—RUSSIAN LANGUAGE—STUDY AND TEACHING

Teaster and better. L. I. Balashova. *Vech. st. ed. shkola* 9 no. 3:71-75. My-Je '66.

## TAJKISTAN—SHEEP

Micromorphology of thyroid gland in sheep of Tajik breed. N. M. Tirsova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 4:116-123 '66.

## TAJKISTAN—SHEEP—FEEDING AND FEEDS

Change in microstructure of thyroid gland of sheep of Tajik breed as affected by iodine-enriched food. N. M. Tirsova. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 4:110-113 '66

## TAJKISTAN—SOIL MICRO-ORGANISMS

Microflora of soda Solonchak soils in southern Tajikistan. S. I. Vasil'chikova. A. F. Zakharchenko. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 4:15-20 '66.

## TAJKISTAN—SOLONCHAK SOILS

Microflora of soda Solonchak soils in southern Tajikistan. S. I. Vasil'chikova. A. F. Zakharchenko. *Izv. Old. biol. nauk AN Tadzh. SSR* no. 4:15-20 '66.

## TAJKISTAN—STATE FARMS

Usmanov, Rakhmankul. [The activity of the political departments in strengthening the state farms of Tajikistan, 1933-1940.] *Detal'nost' polidolov po ukrepleniu sovkhovov tadzhikistana, 1933-1940 gg.* Dushanbe, Ifron, 1965. 39 p. (CSI-H)

## TAJKISTAN—STRONTIUM

Crystallographic forms of celestite from the Gullayskoye deposit of strontium in the Tajik S.S.R. E. K. Podporina. *Trudy IMGRE* no. 4:139-141 '60.

## TAJKISTAN—WOMEN

The fate of Tajik women. I. Rakhimova. *Aghiator* 34 no. 4:16-19. F '67

## TALAS ALATAU—FORAMINIFERA, FOSSIL

Layers with Endothyra communis in the Kara-Tau and in the western spurs of the Talas Ala-Tau. O. I. Bogush, O. V. Iuferev. *Biul. MOIP. Old. geol.* 36 no. 3:100-101. My-Je '61.

## TALC

Limits and nature of variations of composition in talc mineral. P. P. Smolin. *Dokl. AN SSSR* 172 no. 1:107-110. Ja '67

## TALES

Not all tales deserve interpretation. A. I. Gukovskii. *Vop. ist.* 42 no. 1:184-186. Ja '67.

## TALKING MOTION PICTURES see Motion pictures, Talking

## TALLINN—MOTORBUS LINES—TIMETABLES

[Timetables of motorbus lines in Tallinn.] *Raspisanie avtobusnogo dvizheniya v g. Talline.* Tallinn, Eesti Raamat, 1965. 67 p.

## TALLINN—TAXICABS—MAINTENANCE AND REPAIR

Anvelt, Jaan. [Organization of maintenance and repair of automobiles at the Tallinn taxicab center.] Tallinn, Takstaitariiditöökoostööauto tehnikale hooldamiseks ja remondiks organisatsioon. Tallinn, Valgus, 1966. 32 p. [In Estonian.]

## TAMBOV PROVINCE—COMMUNIST YOUTH LEAGUE

A district committee of the Komsomol and the education of young people. N. K. Pich. *Mol. komm.* no. 1:7-8. 81. D '61

## TAMBOV PROVINCE—DRESENIBAE

First occurrence of *Dreissena polymorpha* in Tambov Province. V. G. Skopkov. *Zool. zhurn.* 15 no. 12:1881-1881 '66

## TAMBOV PROVINCE—ECONOMIC CONDITIONS

Okatov, N. A. [The Tambov party organization during the period of struggle for socialist industrialization and of preparation for the complete collectivization of agriculture, 1926-1929.] Tambovskaya partiynaya organizatsiya v period bor'by za sotsialisticheskuyu industrializatsiyu i podgotovki k sploshnoi kollektivizatsii sel'skogo khozyaystva, 1926-1929 gg. Voennozh. Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1964. 30 p. (Z. Istovoi Tambovskoi organizatsii KPSS) (CSI-II)

## TAMBOV PROVINCE—ELECTRONIC DATA PROCESSING—AGRICULTURE

Efficient distribution of agricultural production with the aid of linear programming. N. S. Kharitonov. *Dokl. i soob. VNIISKII* no. 20:81-93 '65.

## TAMMISAARE, ANTON HANSEN, 1878-1940

Puhvel, Heino. [The early period of A. H. Tammisaare's life and creative work, 1878-1922.] A. H. Tammisaare elu ja loominguline periood (1878-1922). Tallinn, Eesti Raamat, 1966. 405 p. [In Estonian.]

## TANK CARS

Sectional filter for pouring petroleum from tank cars. I. B. Khafets. *Nef. i gaz. prom.* no. 5:49-50. S-O '66.

## TANK CIRCUITS

Piezoelectric resonators. L. Glukhina. *Radio en. i tele. sv.* N '66

## TANK VESSELS

Causes of intensive corrosion of pipes on the "Kuzbass" and "Vulka" type tankers. K. I. Andushkin and others. *Mor. flot* 27 no. 1:32. Ja '67.  
The role of the tanker "Burgas." *Sudostroenie* 46 no. 12:59. D '66.

Results of the operation of the first "Sofia" type ship. A. L. Kostal'uk. *Inform. sbor. ISNIMI* no. 156. Tekhn. eksp. mor. flota no. 46:22-27 '66

## TANK WARFARE

Antitank guided missile in defense. I. I. Akovlev. *Voen. vent.* 41 no. 6:121-123. Je '61.

Attack of a tank battalion on a hastily occupied defensive position. D. Lova. *Voen. vent.* 41 no. 6:11-15. Ja '61.  
Tank company overcomes a hastily prepared defensive position. A. Melnikov. *Voen. vent.* 41 no. 6:14-17. Je '61.

## TANKS

Biruk, V. S. [Mounted ship tanks] Sudovoye vkladnye tanki. Leningrad, Sudostroenie, 1966. 128 p.

Calibration of pontoon and floating roof tanks. N. M. Fatkhiev, L. S. Bronshteyn, K. Sh. Akmuilim. *Tekhn. i khim. nef. i nefteprod.* no. 11:21-24 '66.

## TANKS—COLD WEATHER OPERATION

Operation of tanks in winter. B. T. Gulak. *Izoprom. i v. prom.* 11 no. 1:20-30. Ja '67.

## TANKS (MILITARY SCIENCE)

How to study tank armament better. A. Kondrachov. *Voen. vent.* 41 no. 6:109-111. Je '61.

The role of armored troops in the Battle of Moscow. F. Tamonov. *Voen. i ist. zhurn.* 8 no. 1:14-21. Ja '67.  
Toward the heights of mastery. I. Chuguev. *Voen. vent.* 41 no. 6:12-17. Je '61.

## TANNING

New standardized production methods. V. G. Suchkov, S. V. Arbuzov. *Kozh.-obuv. prom.* 8 no. 12:10-12. D '65.  
Specialization by branches as an important factor of the technical progress and economic effectiveness of industrial production. N. Markar'ov, A. Akudin, A. Zhulin. *Kozh.-obuv. prom.* 8 no. 12:33-34. D '66

## TANNU-TUVA see Tuva A.S.S.R.

## TANTALATES

Infrared absorption spectra of chromium and iron tantalates. F. A. Rozhdol'skaya. *Izv. Vses. inst. khim. i fiz. sv.* 8 no. 1:3382-3383. N '60.

## TANTALITE

Some experience in studying minerals from the columbit-tantalite group. V. A. Kornetova. *Trudy Min. muz.* no. 12:37-53 '61.

## TANTALUM

Applying the dialysis method in the study of the state of niobium and tantalum in solution. A. K. Babko, N. I. Brydchyn. *Dop. AN URSR* no. 7 921-924 '62

Genetic types of deposits and occurrence of niobium and tantalum. M. V. Kuz'menko. *Trudy IMORE* no. 4 142-173 '60.

## TANTALUM BROMIDE

Electron diffraction examination of niobium and tantalum pentabromides. V. P. Spiridonov, G. V. Romanov. *Vest. Akad. nauk SSSR. Ser. Khim.* 21 no. 6 109-110 N-D '66.

## TANTALUM ISOTOPES

Circular polarization of  $\gamma$ -quanta in TaBr<sub>5</sub>. V. M. Lobashov and others. *Fiz. y teo. zhur. eksperi. i teoret. fiz.* 5 no. 2 73-75 Ja '67.

**TAPEWORMS** see subdivision under Koryak National Area

## TAPEWORMS—EXTERMINATION

Controlling echinococcosis by a rapid method. V. T. Ramazanov, V. I. Kuznetsov, B. K. Zaplatkin. *Vrsk. sel'khoz. nauki* [Kazakh.] 10 no. 1-80-81 Ja '67.

**TAPIOLEITE** see subdivision under Dniepor Valley

## TAPS AND DIES

Increasing the precision of threads cut with nut taps. M. V. Stefankov. *Stroi. i mash.* 31 no. 12:24-26 D '66

Manufacture and use of hard-alloy taps. V. P. Patfenov. *Stroi. i mash.* 30 no. 135-36 Ja '67.

## TAPS AND DIES—STANDARDS

Russk. (U.S.S.R.) Gosudarstvennyi komitet standartov, *normy izmeritel'nykh priborov*. [Finishing taps for cutting metric threads in circular dies; allowances and working dimensions for threads] *Metodiki chistovye dlia razrabotki metricheskoi rez'by v kruglykh plastikakh, dnyuzki i ispolnili'nyo razmery na rez'bu*. MN 6350-04; MN 5360-04 Moskva, Izd-vo Standartov, 1964 15 p. (SSSR. Normy i mashinostroeniya)

## TAR

Closed metal vessel for storing, transporting and the friction heating of tar and other viscous materials. T. N. Lavrin. *Sb. izob. v yb. prom. za 1961 g.* 109. Increasing coke yield by oxidation of hydraulic tar. F. I. Gurevich and others. *Neftepr. i neftekhim.* no. 8 25-28 '65.

## TARBAGATAY RANGE—DIASPORE

Discovery of diaspore concentrations in Devonian volcanic sedimentary series of Tarbagatay Range. L. N. Koluva. *Dokl. AN SSSR* 171 no. 4 963-965 D '66.

## TARBAGATAY RANGE—PHANOLITE

Discovery of diaspore concretions in Devonian volcanic sedimentary series of Tarbagatay Range. L. N. Koluva. *Dokl. AN SSSR* 171 no. 4 963-965 D '66.

## TARGETS (MILITARY SCIENCE)

Automatic centrifugal coupling. A. Kalinikil. *Voen. vent.* 11 no. 6 116 Je '61.

## TARTARITES

Ferrary tartaric complex of iron and aluminum. I. V. Plavitskii, I. M. Glushchenko. *Ukr. khim. zh.* 32 no. 11 1220-1221 '65.

## TARKHANKUT CAPE—VERTEBRATES, FOSSIL

A find of early Quaternary vertebrates on the Tarkhankut Peninsula and its significance for the paleogeography of the Crimea. P. D. Podgorodetskii. *Izv. Krim. otd. Geog. ob-va* no. 6 31-44 '61.

## TARTU—HISTORY

[Pages from the history of Tartu] *Lohekulgi Tartu ajaloo*. [Tallinn: Eesti Raamat, 1964, 169 p. [In Estonian]]

## TASHKENT—BUILDING RESEARCH

Construction Institute (Tashkent). A. N. Ashrafov. *Izv. ASIA* no. 3 134-135 '61.

## TASHKENT—CITY PLANNING

In the center of Tashkent. V. A. Saverkin. *Stroi. i arkhitekt. Len.* 28 no. 12 18-19 D '66.

Leninград's gift to Tashkent, city of courage. *Stroi. i arkhitekt. Len.* 28 no. 7 21 Ji '66.

## TASHKENT—CONSTRUCTION INDUSTRY

Moscow helps Tashkent. T. Selivanov. *Stroi. i arkhitekt. Mosk.* 15 no. 7 9 Ji '66.

## TASHKENT—EARTHQUAKES AND BUILDING

Engineering analysis of results of earthquake on April 26, 1956 in Tashkent. I. I. Bubis. *Ona, fund. i mekh. grun.* 8 no. 5 23-28 '66.

Principal causes of building damage as a result of the Tashkent earthquake and some measures for eliminating them. A. I. Martem'yanov. *Stroi. i arkhitekt. Uzb.* 7 no. 12 5-9 D '66.

Tashkent shaken again. I. Tukalevskii. *Stroi. i arkhitekt.* 15 no. 1 39 Ji '67.

## TASHKENT—FRUIT TREES

Characteristics of the development of generative buds of some fruit species in Tashkent. Z. M. Pashchenko. *Nauch. trudy TashGU* no. 210 100-132 '62.

## TASHKENT—HISTORY

*Akademika nauk Uzbekskoi SSR. Institut istorii i arkhitekt. logii*. [History of socialist Tashkent] *Istoriya sotsialisticheskogo Tashkenta*. Tashkent, Fan. Vol. 2. [1941-1955] 1941-1955 gg. 1966. 491 p.

Nabiev, R. N. [The Tashkent uprising of 1847 and its socioeconomic premises] *Tashkentskoe vosstanie 1847 g. i ego sotsial'no-ekonomicheskie predposylki*. Tashkent, Fan, 1966. 78 p.

## TASHKENT—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Products made by the people of Tashkent at the Exhibition of the Achievements of the National Economy. I. Safikhov, O. Khavoshkin, V. Monakhov. *Inform. biul. VDKU* no. 12 10-12 D '66.

## TASHKENT—POLITICS AND GOVERNMENT

*Akademika nauk Uzbekskoi SSR. Institut istorii i arkhitekt. logii*. [History of socialist Tashkent] *Istoriya sotsialisticheskogo Tashkenta*. Tashkent, Fan. Vol. 2. [1941-1955] 1941-1955 gg. 1966. 494 p.

## TASHKENT—SPRINKLER IRRIGATION

Effect of sprinkler irrigation on microclimate of city territory. D. M. Mandaleev. *Stroi. i arkhitekt. Uzb.* 7 no. 12 34-36 D '66.

## TASHKENT PROVINCE—COLLECTIVE FARMS—STATISTICS

Intensification of collective farm production in the zone of irrigation farming. E. Saplinikov. *Vop. ekon.* no. 1: 59-69 Ja '67.

## TASHKENT PROVINCE—COTTON GROWING

Intensification of collective farm production in the zone of irrigation farming. E. Saplinikov. *Vop. ekon.* no. 1: 59-69 Ja '67.

## TASHKENT PROVINCE—QUARTZ

Mineralogy of quartz veins in upper Kulyksay Valley. I. U. S. Gilmak. *Nauch. trudy TashGU* no. 234. Geol. nauki no. 20:104-108 '64.

## TASHKENT PROVINCE—RAILROADS

Today on the Tashkent main line. N. Kravchenko. *Nar. khoz. Uzb.* 3 no. 2 90-91 F '61.

## TASTE

Disorders in the gustatory analyzer and gastric secretion in the late period following traumatic lesions of the brain. Z. P. Gurevich. *Trudy GIGIYU* no. 4:163-174 '62.

## TATAR A.S.S.R.—FERTILIZERS AND MANURES

State of the agrochemical service in the Tatar A.S.S.R. Kh. Z. Zilabidinov. *Khim. v sel. khoz.* 5 no. 1 56-59 Ja '67.

## TATAR A.S.S.R.—FOREST SOILS

Agrophysical properties of light gray forest soils of the Tatar A.S.S.R. A. V. Koloskova. *Pochvovedenie* no. 3 42-52 My '60.

## TATAR A.S.S.R.—GARNET

Garnets from rocks of crystalline basement of Tataria. B. G. Iakovlev. *Dokl. AN SSSR* 171 no. 4 966-969 D '66.

## TATAR A.S.S.R.—GEOLOGY, STRATIGRAPHIC

Proterozoic sediments of eastern slope of northern dome of Tatar Arch. V. V. Mashkin. *Izv. vyz. ucheb. zav., geol. i razv.* 10 no. 1 22-29 Ja '67.

Textural characteristics of the terrigenous rock mass of the lower Carboniferous in the Tatar A.S.S.R. A. A. Demidova. *Bull. MOIP. Old geol.* 36 no. 3 144-145 My-Je '61.

## TATAR A.S.S.R.—HISTORY

Zaitalov, A. M., ed. [Problems of the history and literature of the peoples of the middle Volga Valley] *Voprosy istorii i literatury narodov Srednego Povolzh'ia; sbornik statei*. Kazan, Akad. nauk SSSR, 1965. 124 p. (MI)

## TATAR A.S.S.R.—OIL RESERVOIR ENGINEERING

Using head pressure to determine bottom pressure for wells in Tatar oil fields. A. A. Briksman. *Nauch. tekh. sbor. po dobn. nefi* no. 3 91-95 '60.

## TATAR A.S.S.R.—OIL WELL DRILLING

40045 meters well drilling completed in a year. A. Rodkin. *Neftekhim* 11 no. 10 24-26 O '66.

## TATAR A.S.S.R.—OIL WELL DRILLING RIGS

Basin of success is large-block assembly, accurate work organization. A. Voevoda, E. Gindkov. *Neftekhim* 11 no. 10 22-24 O '66.

## TATAR A.S.S.R.—OIL WELL PUMPS—HYDRAULIC DRIVING

Use of hydraulic pump units in oil fields of Tatar A.S.S.R. G. K. Alpatov, R. G. Vikhman, A. G. Latifulin. *Mash. i neft. obor.* no. 11 24-26 '66.

## TATAR A.S.S.R.—TILLAGE

Effect and aftereffect of deep subsurface tillage according to Mal'tsev's method on the entire microflora and microbiological processes in gray forest soils of the Tatar A.S.S.R. S. M. Samosova, L. T. Fatkhova, A. A. Munina. *Trudy Kazan fil. AN SSSR. Ser. biol. nauk* no. 5 31-48 '60.

Effect of deep subsurface tillage of gray forest soils on nutrients and the yield of agricultural crops in the Tatar A.S.S.R. P. S. Anodin, M. A. Korshunov. *Trudy Kazan. fil. AN SSSR. Ser. biol. nauk* no. 5 7-17 '60.

Effect of Mal'tsev's tillage method on the soil fauna. M. M. Aisnikova, N. M. Uricheva. *Trudy Kazan fil. AN SSSR. Ser. biol. nauk* no. 5 19-20 '60.

Resolution of the 2d Scientific Coordination Conference on Biological Foundations of Tillage organized by the Biological Institute of the Kazan Branch of the Academy of Sciences of the U.S.S.R. and the Department of Agricultural Research at the Ministry of Agriculture of the Tatar A.S.S.R. on April 2, 1959. *Trudy Kazan fil. AN SSSR. Ser. biol. nauk* no. 5 69-71 '60.

Results of the investigation of Mal'tsev's tillage methods at the Tatar Agricultural Experimental Station and on collective farms of the Republic. M. I. Pavlov. *Trudy Kazan. fil. AN SSSR. Ser. biol. nauk* no. 5 69-71 '60.

## TATAR LITERATURE—HISTORY AND CRITICISM

Zaitalov, A. M., ed. [Problems of the history and literature of the peoples of the middle Volga Valley] *Voprosy istorii i literatury narodov Srednego Povolzh'ia; sbornik statei*. Kazan, Akad. nauk SSSR, 1965. 124 p. (MI)

## TAUTOMERISM

Some features of lactam-lactim tautomerism of 6-hydroxy-7-azaindole. L. N. Lavhontov and others. *Dokl. AN SSSR* 172 no. 12 118-121 Ja '67.

Study of tautomerism of oxo derivatives of N-heterocycles in vapors. E. S. Levin, G. N. Rodionova. *Dokl. AN SSSR* 172 no. 3 607-610 Ja '67.

**TAXICABS** see subdivision under Moscow

## TAXICABS—DESIGN AND CONSTRUCTION

Taxicabs should have a new design. S. Zaitalov. *Avi. transp.* 40 no. 6 38-39 Je '62.

What a taxicab should be like. A. Evdakov, O. Filippov. *Avi. transp.* 40 no. 6 37-38 Je '62.

**TAXICABS—MAINTENANCE AND REPAIR** see subdivision under Tallinn

## TAYMYR PENINSULA—CORAL, FOSSILS

Ordovician Tabulata of Taymyr. Uch. zap. NIIGA. Ser. "Paleont. i biostr." no. 10 64-78 '65.

## TAYMYR PENINSULA—PEGMATITES

Optical and structural characteristics of the intermediate-maximal microcline-perthite from pegmatites of the Taymyr Peninsula. A. S. Marfavin, S. V. Rykova. *Trudy Min. muz.* no. 12 230-234 '61.

## TAYMYR PENINSULA—PERTHITE CRYSTALS

Optical and structural characteristics of the intermediate-maximal microcline-perthite from pegmatites of the Taymyr Peninsula. A. S. Marfavin, S. V. Rykova. *Trudy Min. muz.* no. 12 230-234 '61.

## TEACHER-STUDENT RELATIONSHIPS

(see also subdivision under Bulgaria) *Strikt kindness. A. Monastyrchenko. Nar. obr.* no. 2 48-49 F '67.

## TEACHERS

A biography born of the October Revolution. T. Murav'eva. *Vech. sred. shkola* 9 no. 5 7-10 '65.

The 50th year. *Nar. obr.* no. 1 2-6 Ja '67.

Our best people. *Shkola i prozv.* 10 no. 10 9, 14, 20, 25 O '65.

Perrone, Aleksandra Aleksandrovna, 1882-1966; an obituary. *Nach. shkola* 35 no. 2 95 F '67.

A school near Moscow. E. Krutcheva. *Nar. obr.* no. 2: 20-21 F '67.

## TEACHERS—BIOGRAPHY

Our best people. *Shkola i prozv.* 10 no. 12 24, 58, 57 D '66.

## TEACHERS—OUT-OF-SCHOOL ACTIVITIES

The Tighi Congress of the CPSU and the drawing of teachers into mass political work in rural areas. N. G. Lipochnik. *Sov. pedagog.* 31 no. 1 22-32 Ja '67.

## TEACHERS, TRAINING OF

(see also subdivision under France; Kyrgyz Republic; Syrdovsk Province) Contemporary tasks of the training of teachers. I. Ugo odnikov. *Nar. obr.* no. 1 23-28 Ja '67.

From the experience of checking the students' knowledge. V. A. Shilov. *Sred. shkola* 35 no. 7 21-22 Ji '66.

Pedagogical training of the teachers of special subjects. M. I. Eretnki. *Sred. shkola* 35 no. 7 10-11 Ji '66.

Proposed curriculum of a course in educational theory for pedagogical institutes and universities. *Sov. pedagog.* 31 no. 1 38-59 Ja '67.

**TEACHERS COLLEGE** see subdivision under Lukovano (Gorky Province), Omsk, North

## TEACHING

Adaptation of the experience in regional studies. I. I. Beskova. Vech. sred. shkola 9 no. 5:65-87 S-O '66.  
Formal or understood? I. Baidin. Vech. sred. shkola 22 no. 1:17-19 Ja '67.  
Methodological societies in the city. A. T. Melnikova, G. A. Chernitskiy. Vech. sred. shkola 9 no. 3:21-24 S-O '66.

Preparatory assignments. S. P. Shapovalov. Vech. sred. shkola 9 no. 5:84 S-O '66.  
The problem of the continuing presentation of educational material. I. Shapovalov. Vech. sred. shkola 9 no. 2:88-90 I '67.  
Some advice to beginning teachers. A. D. Mironov. Vech. sred. shkola 9 no. 3:33-35 Ja '67.

**Strizhko, V. P.** [Organization of the process of teaching in school] Organizatsiya protsessy obucheniya v shkole. Moskva, Prosveshchenie, 1964 279 p. (NCC)

## TEACHING-AIDS AND DEVICES

All this the schools will receive. G. Sapronov. Vech. sred. shkola 9 no. 7:77-79 Ja '67.

The contents of charts. A. V. Vostanov. Shkola i proizvodstvo 10 no. 12:80-81 D '66.

A device for the demonstration of the making of teeth. N. I. Mironov. Sred. spets. obr. 13 no. 7:33 JI '66.

From the editor. Vech. sred. shkola 9 no. 3:59-61 My-Je '66.

Holders for industrial wall sheets. L. N. Lutsin. Sred. spets. obr. 13 no. 7:32 JI '66.

In our studios. I. Komarnitskiy. Vech. sred. shkola 9 no. 7:74-76 Ja '67.

## Nauchno-issledovatel'skiy institut pedagogiki, Minsk

[Use of technical aids in instruction in schools of general education, collection of reports, read at the Republic Scientific and Practical Conference in Minsk in 1964] Ispol'zovanie tekhnicheskikh sredstv v uchebno-vospitatel'noi rabote obshchego i spetsial'nogo shkol'noy, sbornik dokladov, pročitannykh na respublikanskoy nauchno-prakticheskoy konferentsii v g. Minske v 1964 g. Pod red. N. S. Molochko. Minsk, Narodnaya osveta, 1965, 53 p.

Tape recorders and television in physics lessons. L. M. Chuzh. Vech. sred. shkola 9 no. 3:63-67 My-Je '66.

Technical means of instruction. I. U. P. Znamenskiy. Vech. sred. shkola 9 no. 3:61-63 My-Je '66.

Use of phonochrestomathes during reading lessons in the first grade. M. I. Omorokova, N. V. Vinograd, E. B. Minchuk. Nach. shkola 35 no. 2:15-20 I '67.

Using a tape recorder in musical training instruction. N. A. Chernenko. Shkola i proizvodstvo 10 no. 12:22-23 D '66.

## TEACHING MACHINES-CONGRESSES

Seminar "Programmirovannoe obucheniye i obuchatel'skiye mashiny" [Reports of the Seminar "Programmed Instruction and Teaching Machines"] Seminar "Programmirovannoe obucheniye i obuchatel'skiye mashiny", [doklady]. Kiev, Naukova dumka, No. 4 1965, 114 p.

**TECHNICAL ASSISTANCE, RUSSIAN** see subdivision under Afghanistan

## TECHNICAL EDUCATION

(see also subdivision under Dnepropetrovsk, Hungary, Krasnodar Territory, Moscow)

Conducting industrial excursions. V. A. Kozin. Shkola i proizvodstvo 10 no. 12:26-27 D '66.

Contacts with industry should be emphasized in the planning. Ena. Sred. spets. obr. 13

quiz. D. I. Funt. Shkola 6.

ent of the students' knowledge. Sred. spets. obr. 13 no. 7:10-21

Teaching the adolescents to organize their work in a proper way. I. Z. Gilyukh. Shkola i proizvodstvo 10 no. 12:33-37 D '66.

Training of the labor force for industry. V. Belkin. Sots. trud. 12 no. 1:27-34 Ja '67.

**TECHNICAL EDUCATION-BIBLIOGRAPHY** see Bibliography-Technical education

## TECHNICAL LIBRARIES

For readers of literature on motor vehicles. Avt. transp. 45 no. 1:58 Ja '67.

## TECHNICAL SOCIETIES

(see also subdivision under Armenia)

Centennial of scientific technological societies. Stan. i inzh. 37 no. 12:36-37 D '66.

Centennial of scientific and technical societies in U.S.S.R. Azerb. nef. khoz. 45 no. 1:1-4 N '66.

Centennial of scientific and technical societies. N. V. Iakusheva, L. L. Chernitskiy. Neft. khoz. 44 no. 11:60-63 N '66.

Centennial of scientific and technological societies. I. A. M. Sorin. Stand. i kach. 30 no. 11:1-11 N '66.

Centennial of the scientific technological societies of the U.S.S.R. Stan. i inzh. 37 no. 11:7-10 N '66.

Hundredth anniversary of scientific and technical societies. A. V. Volkov. Mekh. stroit. 23 no. 12:1-5 D '66.

100 years in the service of science. Prom. inzh. 9

no. 11:3-5 '66.  
One-hundredth anniversary of the Russian Technical Society. V. A. Usenko. Mekh. stroit. 23 no. 11:1-5 N '66.

One-hundredth anniversary of the scientific technological societies of the U.S.S.R. A. V. Boduy, I. P. Lepeshkin. Mekh. stroit. 23 no. 11:1-11 Ja '67.

Reports and elections in the primary organizations of scientific and technological societies. N. S. Fedotenko, I. V. Belye. Mashinostroitel' 11 no. 1:1-2 Ja '67.

## TECHNOLOGICAL INNOVATIONS

(see also subdivision under Armenia, Irkutsk Province, Kirghizistan)

Activity of inventors and efficiency promoters on tank farms of Main Administration for the Supply and Marketing of Oil and Oil Products of U.S.S.R. during the seven year plan. V. I. A. Mavskiy, M. I. Maider. Neft. i gaz. prom. 4 no. 6:10 N-D '66.

From technical periodicals. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 14 no. 12:67-78 D '66.

Inventor's proposals. Transp. stroit. 16 no. 4:55 Ap '66.

Leningradskiy politekhnicheskii institut. [In the struggle for technological progress]. V. Bor'ba za tekhnicheskii progress, sbornik statei. [Leningrad] Lenizdat, 1965, 378 p.

Make way to the new and advanced, facts and figures. Inzh. 10 no. 17:35-37 S '62.

New developments in science and technology. Prom. inzh. 9 no. 11:70-72 '66.

New developments in science and technology. Prom. inzh. 10 no. 1:67-68 JI '67.

New developments in science and technology. Prom. inzh. 10 no. 2:52-53 I '67.

Public inspection of the technological progress. Gidrot. i tekhn. inform. 13 no. 5:25 My '62.

Something about different things. Mashinostroitel' 11 no. 1:46-47 Ja '67.

Soviet innovations in the machinery industry. Vech. mashinostroitel', 47 no. 1:87 Ja '67.

This can be used in your enterprise. Mashinostroitel' 11 no. 1:24-25 Ja '67.

## TECHNOLOGISTS

Scientists and technologists. Shkola i proizvodstvo 10 no. 10:84 O '66.

## TECHNOLOGISTS-BIOGRAPHY

Scientists and technologists. Shkola i proizvodstvo 10 no. 12:87-89 D '66.

## TECHNOLOGY

Develop the creative initiative of the scientific and technological community. M. V. Prishkov. Poligr. proizvod. no. 1:7-8 Ja '63.

X. Marx on some problems of technological progress under capitalism. S. M. Grigor'yan. Vop. ist. KPSS 11 no. 2:58-67 F '67.

**TECHNOLOGY-BIBLIOGRAPHY** see Bibliography-Technology

## TECHNOLOGY-INFORMATION SERVICES

About "Bulletin" tekhniko-ekonomicheskoi informatsii. Biol. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform. 19 no. 12:3-4 D '66.

Using technical information in standardization. T. A. Vvedenskiy. Stand. i kach. 30 no. 11:50-53 N '66.

## TECHNOLOGY-PHILOSOPHY

The Soviet public and some philosophical problems in industry, science, and technology. L. A. Petukov, A. S. Makarov, V. P. Polotov. Trudy Irkutsk. un. 38 no. 4:5-22 '65.

## TECHNOLOGY-SOCIETIES, ETC.

100 glorious years. M. Arbutov. Inzh. log. 17 no. 11:14 N '66.

## TECHNOLOGY AND CIVILIZATION

Scientific and technological revolution: a criticism of bourgeois theories. I. Dvorkin. Mir. ekon. i mezhdunar. otn. no. 2:51-63 '67.

Social consequences of scientific and technological revolution in capitalist countries. N. Gruzner. Mir. ekon. i mezhdunar. otn. no. 1:10-32 '67.

## TEKELI REGION (KAZAKHSTAN)-MINING INDUSTRY-SCHEDULING

Planning expansion of mine workings on the basis of network schedule graphs. F. N. Roginskii, V. M. Gaili. K. S. Ruspanov. Izv. vys. uch. zaved. i gor. zhur. 10 no. 1:41-47 '67.

## TEKSTIL

Vorob'ev, G. G. [What do you know about textiles? Chto vy znate o tekstilakh. Moskva, Nauka, 1966, 109 p. (Nauchno-populiarnaya seriya)]

## TELEGRAPH LINES-SAFETY MEASURES

Russia (U.S.S.R.). Komitet standartov, mor. i izm. tekhn. priborov. [Protection of wire communication systems from overvoltages and currents originating in their lines, regulations and schematics] Zashchita ustroystv svyazi ot opasnykh napravlennykh i tokov, vzno-kalushchikh na liniiakh pravila i skhemy. GOST 5230-66. Izd. ofitsial'naya. Moskva [Izd-vo Standartov, 1966] 23 p.

## TELEMETER (PHYSIOLOGICAL APPARATUS)

Simultaneous distant recording of temperature of different organs and tissues in large animals. B. I. Kolyakov, V. I. Balmin. Fiziol. zh. 52 no. 12:1197-1200 D '66.

## TELEMETERING

Organization of telemetering of the total power of electric power plants and loads of substations. I. N. Rudnik and others. Elektr. i kach. no. 6:45-46 N-D '66.

System of telemetering resistance. V. A. Dzhuruk, A. I. Zlatin, G. S. Gribchenko. Trudy NIIGMP no. 15:22-30 '66.

Telemetering and remote control on municipal gas regulating centers. P. I. Vodanik. Prikladn. tekhn. zh. 10 no. 1:1-2 Ja '67.

Transducer of a pulse-time modulated telemetering system of sweep conversion using a modulation chip technique. I. A. Nadev and others. Izv. vuzov. tekhn. 1967, 1:1-2 0 no. 8:93-96 '66.

## TELEOSTEII

Stable histological characteristics of liver and other organs in bony fishes. N. I. Gligor'ev, N. V. Kabanov. Dokl. AN SSSR 172 no. 1:203-205 Ja '67.

## TELEPHONE, DIAL

Experimental system of electronic automatic telephone exchange. V. V. Shlagov. Elektr. inzh. 11 no. 1:1-11 Ja '67.

## TELEPHONE LINES

District communication without coil loaded cables should be governed by standard regulations. I. V. Novikova. Avtom. i telemekh. 10 no. 11:22-23 N '66.

Naryev, O. V., and I. A. Parfenov. [Construction of the cable lines of rural telephone and wire broadcast netting systems] Stroitel'stvo kabel'nykh linii sel'skoi telefonnoi svyazi i radiofidelit. Moskva, Svyaz', 1966, 92 p. (Biblioteka sel'skogo svyazista)

What a long-distance radio communication cable should be like. V. V. Gavrilluk, V. I. Kabanov. Avtom. i telemekh. 10 no. 12:1-2 D '66.

## TELEPHONE LINES-MAINTENANCE AND REPAIR

Method for the installation of a control valve. M. I. Kiochko. Avtom. i telemekh. 10 no. 12:16 D '66.

## TELEPHONE LINES-SAFETY MEASURES

Russia (U.S.S.R.). Komitet standartov, mor. i izm. tekhn. priborov. [Protection of wire communication systems from overvoltages and currents originating in their lines, regulations and schematics] Zashchita ustroystv svyazi ot opasnykh napravlennykh i tokov, vzno-kalushchikh na liniiakh pravila i skhemy. GOST 5230-66. Izd. ofitsial'naya. Moskva [Izd-vo Standartov, 1966] 23 p.

**TELEPHONE STATIONS** see subdivision under Donetsk, Moscow

## TELEPHONE STATIONS-ELECTRONIC EQUIPMENT

Signaling device for small automatic telephone exchanges. I. S. Malkin. Avtom. i telemekh. 10 no. 12:19-21 D '66.

## TELESCOPE

Optimal discharge of the main telescope mirror with a hole in the center. N. S. Samofal. Opt. i tekhn. prom. 33 no. 12:23-26 D '66.

## TELESCOPE-ELECTRIC DRIVING

Principal problems concerning the automation of the electric drives of large telescopes. I. A. Yudin. Zhur. rab. po vop. elektromekh. no. 4:167-173 '66.

## TELESCOPE-ELECTRONIC EQUIPMENT

Photoelectric system for the automatic control of telescopes. P. V. Nikitayev. Sbor. rab. po vop. elektromekh. no. 4:189-201 '66.

## TELETSKOYE, LAKE

Ivanov, B. G., and others. [Lake Teletskoye] Teletskoe ozero. Izd. 2. dop. [Barnaul] Altinskoe knizhnoye izd-vo, 1966, 111 p.

## TELEVISION-RECEIVERS AND RECEPTION

The "Veher" television receiver. K. Zabetin and others. Radio no. 11:29-32 N '66.

## TELEVISION-REPAIRING

Jakoobi, Eduard. [Television repair] Televizionnoe korraktsioniro. Tallinn, Valgus, 1965, 214 p. [In Estonian]



## TELEVISION CIRCUITS

Spring of a pilot signal for automatic correction of direction of radiation. P. M. Boylov, *Tr. Fiofizmat. Inst. AN SSSR* 21 no. 1-2-12 Ja '67

## TELEVISION IN EDUCATION

Tepe recorders and television in physics lessons. I. M. Chizh, *Vest. Ucheb. zhurn.* 9 no. 1-63-67 My-Je '66, Nature of television in physics classes. G. Redko, *Nat. zhurn.* no. 2-61-65 1 '67

## TELEVISION IN MEDICINE

Results of the clinical use of X-ray television. I. Kh. Rabin, *Vest. rent. i ind. II* no. 6-1-11 N-D '66.

## TELLURIUM

(see also subdivision under Almdyk Mountain)

Maximum melting curve of tellurium. S. M. Sifshov, N. A. Tikhonova, I. D. Tomkov, *Plav. i razd. zhut. eksp. i teoret. fiz.* 1 no. 5-161-161 S '66  
Prospects for the industrial extraction of selenium and tellurium from the by-products of copper-molybdenum ore. V. N. Fokan, *Trud. MGRI* no. 1-2-15-25 '66

## TELLURIUM—MISCELLANEOUS

Recovery of selenium and tellurium from the slimes of sulfuric acid and paper pulp production by adding them with calcium soda. L. A. Soshnikova, M. D. Zverovskaya, *Izv. vuzov. Khim.* 33 no. 3-55-59 Mr '66

## TELLURIUM COMPOUNDS

Isolation of tellurium (IV) in its molybdenic heteropoly compounds. V. P. Zakharenko, L. N. Simonova, *Vest. Mosk. un. Ser. 2: Khim.* 21 no. 6-115-117 N-D '66.

## TELLURIUM CRYSTALS

Magnetoresistance oscillations of tellurium. D. V. Mashchuk, S. S. Smolyt, *Plav. i razd. zhut. eksp. i teoret. fiz.* 1 no. 5-162-161 N '66

## TELLURIUM-LEAD ALLOYS see Lead-tellurium alloys

## TEMPERATURE

(see also subdivision under Caspian Sea, Novosibirsk, Rensselaer, Omega, Lake)

Some features of thermal studies in wells. G. G. Polnikov, *Izv. vuzov. Khim. i tekhn. fiz.* 9 no. 8-15-16 '66

## TEMPERATURE—EFFECT ON BERYL see Beryl, Effect of temperature on

## TEMPERATURE—EFFECT ON COBALT CRYSTALS see Cobalt crystals, Effect of temperature on

## TEMPERATURE—EFFECT ON CONCRETE see Concrete, Effect of temperature on

## TEMPERATURE—EFFECT ON GADOLINIUM CRYSTALS see Gadolinium crystals, Effect of temperature on

## TEMPERATURE—EFFECT ON GALLIUM ARSENIDE CRYSTALS see Gallium arsenide crystals, Effect of temperature on

## TEMPERATURE—EFFECT ON GLASS REINFORCED PLASTICS see Glass reinforced plastics, Effect of temperature on

## TEMPERATURE—EFFECT ON IRON see Iron, Effect of temperature on

## TEMPERATURE—EFFECT ON LEATHER see Leather, Effect of temperature on

## TEMPERATURE—EFFECT ON MATERIALS see Materials, Effect of temperature on

## TEMPERATURE—EFFECT ON METALS see Metals, Effect of temperature on

## TEMPERATURE—EFFECT ON NICKEL see Nickel, Effect of temperature on

## TEMPERATURE—EFFECT ON PHENOL CONDENSATION PRODUCTS see Phenol condensation products, Effect of temperature on

## TEMPERATURE—EFFECT ON PLANTS see Plants, Effect of temperature on

## TEMPERATURE—EFFECT ON PLATES, IRON AND STEEL see Plates, Iron and steel, Effect of temperature on

## TEMPERATURE—EFFECT ON POLYMERS see Polymers, Effect of temperature on

## TEMPERATURE—EFFECT ON RESINS, SYNTHETIC see Resins, Synthetic, Effect of temperature on

## TEMPERATURE—EFFECT ON SEEDS see Seeds, Effect of temperature on

## TEMPERATURE—EFFECT ON SERPENTINE see Serpentine, Effect of temperature on

## TEMPERATURE—EFFECT ON SUPERCONDUCTORS see Superconductors, Effect of temperature on

## TEMPERATURE—EFFECT ON TEREPHTHALAMIDE see Terephthalamide, Effect of temperature on

## TEMPERATURE—MEASUREMENT see Thermometry

## TEMPERATURE—PHYSIOLOGICAL EFFECT

Effect of temperature drop layer on zooplankton distribution in Caspian Sea. T. G. Badalov, *Dokl. AN Azerb. SSR* 22 no. 9-78-80 '66

Effect of the environment temperature on the skin temperature and the course of cutaneous leishmaniasis in gerbils *Rhombomys opimus* Licht. and *Meriones libycus* Licht. L. N. Elisey, M. V. Stuklova, *Med. parazit. parazit. 35* no. 6-696-705 N-D '66

Isolation and study of some properties of yeast growing at 10-45° L. G. Logunova, I. N. Pozmogova, L. M. Selezneva, *Mikrobiologiya* 35 no. 6-1024-1027 N-D '66

Pathomorphology of some hypothalamic nuclei in rats following thermoregulatory shifts. V. D. Zhuravskaya, T. P. Orlova, *Atkh. anat., gist. i embriol.* 51 no. 12-16-51 D '66.

## TEMPERATURE FIELDS

Temperature conditions for the work of mandrels of initial piercing. G. V. Zhamitskiy, F. N. Tavadze, L. N. Okol, *Sov. AN Gruz. SSR* 44 no. 3-679-686 D '66

## TEMPERATURE REGULATORS

Contactless control chains with semiconductor elements for the automation of electric heating installations. I. Kuchinskaya, A. Manyan, *Tekhn. v sel'm. khoz.* 26 no. 12-31-31 D '66

Pilot regulators. V. S. Uzhanskiy, *Khol. tekhn.* 43 no. 12-11-48 D '66.

Tayrov, I. A. M. [Reform on 33 Mironovskaya Street, on the new developments in the work of the Moscow Plant of the Thermal Automatic Control Equipment] Reforma na Mironovskoy, 33, o novom v rabote Moskovskogo zavoda teplovo avtomatiki Moskva, Politizdat, 1966, 47 p.

Temperature check in thrust bearings of hydrogenerators. A. E. Aleksandrov, *Elektr. sta.* 33 no. 3-44-47 Mr '62

## TEMPERING

Using high-strength cold drawn wire without low temperature tempering. A. A. Litvinov, R. E. Shumeyko, *Stal* 21 no. 11-1013-1014 N '61

## TEMPORAL BONE—TUMORS

Osteofibroma of the temporal bone. M. I. Sutin, *Zhur. ucheb. i gos. bol.* 10 no. 6-72-73 N-D '59

## TEMPOROMANDIBULAR JOINT—RADIOGRAPHY

X-ray examination of the temporomandibular joint by means of an image converter tube. G. G. Shumayeva, N. A. Babukhina, *Vest. rent. i ind. II* no. 6-41-41 N-D '66.

## TENGIZ LAKE REGION—TITANIUM

Titanium in granitoids of Sarysu-Tengiz watershed. R. N. Sobolev, M. M. Chokhovskiy, *Vest. Mosk. un. Ser. i Geol.* 21 no. 6-51-56 N-D '66.

## TENNIS

Korbul, E. V. [Tennis tactics] *Taktika tenisa* Moskva, Fizkul'tura i sport, 1966 111 p

## TENSIOMETRY

Results of tensiometric measurements of KSChCh conveyor-pump units. A. P. Nikolaev, A. E. Tarasenko, Mash. i stroit. ma. i avtomatiz. trud. prots. v ugol. prom. no. 2-259-266 '66

## TENSIOMETRY—EQUIPMENT AND SUPPLIES

Tensiometric measurements on mine support models. A. Sh. Katenevskiy, *Sboz. nauch. trud. PNIU* no. 10-126-151 '66.

## TENT CATERPILLARS see subdivision under Gorkiy Province

## TEODORCHIK, KAZIMIR FRANTSEVICH, 1891-

Kazimir Frantsevich Teodorchik; on his 75th birthday. *Vest. Mosk. un. Ser. 3: Fiz. i astron.* 21 no. 6-116-117 N-D '66.

## TERBIUM ISOTOPES—DECAY

Studying 152Tb radiation. K. I. A. Gromov and others. *(Zv. AN SSSR Ser. fiz.)* 31 no. 1-151-170 Ja '67.

## TEREK DELTA—SOLONCHAK SOILS

Leaching of clay sulfate Solonchak soils in Terek Delta. A. I. Nagstaniy, *Vest. Mosk. un. Ser. 6: Biol., pozhv.* 21 no. 5-102-111 S-O '66.

Leaching of Solonchak soils in Terek Delta. V. E. Korenevskaya and others. *Vest. Mosk. un. Ser. 6: Biol., pozhv.* 4 no. 5-101-101 S-O '66.

## TEREK VALLEY—LAND TENURE

Giov, M. I. [Efforts of the Bolsheviks of the Terek Valley to solve the agrarian question in the period of the victory of the socialist revolution and establishment of the Soviet regime, March 1917-February 1919] Bor'ba bol'shevikov Tereka za razresheniye agrarnogo voprosa v period pobedy sotsialisticheskoy revolyutsii i ustanovleniya Sovetskoy vlasti (mart 1917- fevral' 1919 gg.). Ordzhonikidze, 1966. 173 p.

## TEREK VALLEY—SOIL MOISTURE

Physical evaporation of moisture from sands and sandy soils. N. P. Kulik, *Puch.ovedch. no. 4* 103-107 Ap '66

## TEREPHTHALAMIDE, EFFECT OF TEMPERATURE ON

Thermal and thermal oxidative destruction of polyterephthalamides. O. I. Fedotova, M. I. Kherber, B. M. Kovarskaya, *Plast. massy* no. 1-14-16 '67

## TEREPHTHALIC ACID

Effect of catalytic additions on disproportionation of potassium benzoate. A. Z. Bakuvalov, R. N. Khilchuk, V. Kh. Khimayev, *Izv. vuzov. Khim. i tekhn. fiz.* 9 no. 5-841-843 '66

## TERNOPOL' PROVINCE—CANNING INDUSTRY

Canning industry of the Ternopol' Province and prospects for its development. P. M. Palamarchuk, V. P. Zhuravskiy, *Kons. i ov. prom.* 17 no. 3-29-32 Mr '62

## TERNOPOL' PROVINCE—INDUSTRIAL ORGANIZATION

Canning shops in distilleries. I. U. M. Vinokur, S. K. Bezhnev, *Kons. i ov. prom.* 17 no. 3-32-33 Mr '62

## TERNS see subdivision under Dnieper Valley

## TERRACES (GEOLOGY) see subdivision under Salgir River

## TERRESTRIAL MAGNETISM see Magnetism, Terrestrial

## TERRORISM

The Great October Socialist Revolution and the struggle against the terrorist acts of the White Guard. G. Anashkin, *Sots. zakon* no. 2-8-15 1 '67.

## TESTICLE

Cytochemical study of testes in fish. Report No. 2. L. I. pids, N. A. Butskaya, *Atkh. anat., gist. i embriol.* 51 no. 10-81-86 O '66

## TESTICLE—WOUNDS AND INJURIES

Participation of the epithelium of rete testis in the process of reparative regeneration of the testis in guinea pigs. S. S. Raitkina, *Biol. eksp. i med.* 63 no. 11-77-81 Ja '67

## TESTING

Method for rapid tests. A. D. Levitanus, *Stand. i tech.* 38 no. 11-53-56 11 '66

Mozgalevskiy, A. V., and others. [Automatic flow detection] *Avtomaticheskii poisk nepspravnostei*. Pod red. A. V. Mozgalevskogo. Leningrad, Mashinostroyeniye, 1967. 202 p.

## TESTING MACHINES

Defectoscope quality remains low. G. P. Strigin and others. *Puti i put. khoz.* 10 no. 10-34 '66

## TESTOSTERONE

Effect of testosterone propionate and methylandrostanediol on the secretory capacity of the adrenal glands in rats. T. S. Sakhatkaya, *Probl. endok. i gorm.* 8 no. 6-12-17 N-D '62.

## TETANUS

Continuous inhibition of monosynaptic refractory discharges of motoneurons of flexors and extensors in cats with local tetanus. A. D. Ado, G. V. Burdakov, I. U. S. Sverdlov, *Dokl. AN SSSR* 167 no. 2-478-481 Mr '66

## TETANUS ANTITOXIN

Stable erythrocyte diagnosticum for detecting tetanus and diphtheria antitoxins and then antibodies. M. I. Levit, G. A. Fomenko, T. E. Kravtsov, *Zhur. mikrobiol., epid. i immun.* 44 no. 1-133-136 Ja '67

Study of physicochemical properties of purified tetanus antitoxin obtained from native preparations depending on varying periods of detoxication. I. U. Khavkin and others. *Zhur. mikrobiol., epid. i immun.* 44 no. 1-112-117 Ja '67.

## TETRACORALLA see subdivision under Novaya Zemlya

## TETRACYCLINE

Distribution of tetracycline and oxytetracycline in the body of kittens with experimental dysentery. K. V. Klimov, *Antibiotiki* 12 no. 1-66-72 Ja '67.

## TETRACYCLINE—THERAPEUTIC USE

Therapeutic effectiveness of tetracyclines in dysentery depending on the method of their introduction and sensitivity of the diphtheria bacteria. K. V. Klimov, *Sov. med.* 30 no. 1-60-62 Ja '67.

## TETRALOGY OF FALLOT

Atypical (extracardiac) stenosis of pulmonary artery in the clinical picture of tetralogy of Fallot. F. V. Baluzek, A. G. Filipenko, T. V. Palamarchuk, *Grud. khir.* 9 no. 1-112-113 Ja-F '67.

## TETRAZOLE

Some tetrazole (1,5-b) and s-triazole (4,3-b) pyridazines and their infrared spectral characteristics. I. B. Lunina, I. U. N. Sheinker, I. A. Postovskiy, *Izv. AN SSSR, Ser. khim.* no. 1-66-70 Ja '67.





## THROAT—DISEASES

Practical principles of the prevention and treatment of acute and chronic tonsillitis. B. S. Pichayants. Zhur. ush., nos 1-2, 1961. 14 no 6 3-12 N-D '59

Significance of the functional properties of receptors of various sections of the upper respiratory tract in the pathogenesis of angina and acute catarrh. V. G. Nibn-mayn. Zhur. ush., nos 1-2, 1961. 14 no 6 12-18 N-D '59

Treatment of acute paratonsillitis by local application of cold in combination with dimedrol. I. M. Sobol'. Zhur. ush., nos 1-2, 1961. 19 no 6 28-32 N-D '59

## THROMBOPHLEBITIS

Capillaroscopic changes in thrombophlebitis of the extremities. I. I. Sudzina. Sov. med. 24 no 1 5-55 N '66.

## THROMBOSES

Clinical aspects in thrombosis of the basilar artery of the brain. Z. N. Drachva. Zhur. nev. i psikh. 62 no 11 1660-1665 '62

Lesions of the veins in arteritis of the lower extremities. P. Brin'cu. C. Sarmescu, B. Stilianovici. Khirurgia 38 no 11 108-111 N '62

Organisms and thrombosis. N. V. Iogor. Zhur. ush., nos 1-2, 1961. 19 no 4 77 JI-Aq '59

Problems in the clinical aspects and pathogenesis of thrombosis of the cerebral and basilar arteries. D. G. Shefer, Z. S. Manelis, A. I. Chuprunova. Zhur. nev. i psikh. 62 no 11 1647-1655 '62

## THRUSHES

Fungal infection with thrushes. V. Bender. Nach. shkola 35 no 2 18-19 I '67

## THULIUM ISOTOPES—SPECTRA

Lifetime of 5 Kev (3/2<sup>+</sup>) level of Tl<sup>201</sup>. R. B. Begzhanov, Kh. M. Sadykov. Pis'ma v red. Zhur. eksper. i teoret. fiz. 4 no 10 436-439 N '66

## THYMIDINE

Irregularities in H<sup>3</sup>-thymidine incorporation into cell nuclei of paraneoplasms. L. A. Zelkina. Dokl. AN SSSR 171 no 1 985-987 D '66

## THYMUS GLAND

Regeneration of the thymus during considerable shifts in the sex hormone content of the organism. D. G. Malkina. Probl. endok. i gorm. 8 no 6 31-37 N-D '62

Thymus gland as a normal component of the median shadow on roentgenograms of younger and older children. I. U. A. Popov. Vest. rent. i rad. 11 no 6 78-81 N-D '66

## THYROID GLAND

Change in microstructure of the thyroid gland of sheep of Tajik breed as affected by iodine-enriched food. N. M. Firsova. Izv. Otd. biol. nauk AN Tadzh. SSR no 3 110-113 '66

Histophysiology of the thyroid gland. K. P. Riabov. Dop. AN URSR no 7 965-969 '62

Mechanism of the effect of irradiated thyroid gland on the cerebral cortex. L. N. Kondrat'eva. Radiobiologiya 3 no 4 567-572 '62

Micromorphology of the thyroid gland in sheep of Tajik breed. N. M. Firsova. Izv. Otd. biol. nauk AN Tadzh. SSR, no 4 116-123 '66

Participation of thyroid gland in regulation of relationship between secretory activity of stomach and mammary gland in lactating animals. K. T. Tashenov, R. M. Trolimova. Trudy Inst. fiziol. AN Kazakh SSR 10 133-147 '66

Based on the thyroid gland of hypophysectomized rats. I. Kheib'skaya, E. R. Bagramian. Probl. 6 27-30 N-D '62

Relationship between functional activity of thyroid gland and reproductive capacity of bulls. U. M. Barysau. Vest. AN BSSR Ser. biol. nauk 4 103-109 '66

Study of the functional state of the thyroid gland following prolonged introduction of streptomycin and penicillin. M. A. Khashim, A. M. Kharitonova. Antibiotiki 12 no 1 39-44 Ja '67

## THYROID GLAND—CANCER

Similarity and difference in ultrastructure of embryonic, normal, and malignant cells of thyroid gland in rats. N. P. Dmitrieva. Arkh. anat., gist. i embri. 51 no 10 49-57 O '66

## THYROID GLAND—DISEASES

Polypeptides in the blood serum in diseases of the thyroid gland. P. P. Bobor. Probl. endok. i gorm. 8 no 6 60-62 N-D '62

Possibility of proliferation of the thyroid parenchyma after hypophysectomy. V. V. Mamina. Probl. endok. i gorm. 8 no 6 23-27 N-D '62

Secretory and excretory functions of the stomach in thyrotoxicosis before and after treatment with J<sup>131</sup>. V. G. Spasivtseva, A. I. Peregodova. Probl. endok. i gorm. 8 no 6 67-71 N-D '62

## THYROID GLAND—SURGERY

Early surgical intervention as the most radical method of treating thyrotoxicosis. V. I. Ishkhanov. Sov. med. 24 no 10 88-90 O '66

Subtotal strumectomy in thyrotoxicosis and malignant exophthalmos. I. A. Shukhgalter. Probl. endok. i gorm. 8 no 6 72-75 N-D '62

## THYROIDIN—PHYSIOLOGICAL EFFECT

Effect of thyroidin on cholesterol metabolism in alimentary atheroecrosis in experimental lesions of the liver. L. A. Hasnikov, N. M. Lobovyn, V. A. Kassel'. Bul. che. i med. i med., 63 no 1 31-34 Ja '67

## THYROXINE

Conditioned reflexes to electric stimulus of the cerebral cortex in dogs following injection of thyroxine into organism. M. I. Rodin. Vest. AN BSSR, Ser. biol. nauk, no 1 74-78 '67

Effect of thyroxine on motility of nervous processes and bioelectrical activity of brain. U. A. Adamovich-Heritsman. Vest. AN BSSR Ser. biol. nauk no 1 97-102 '66

## TIBIA—DISEASES

Exercise therapy in osteomyelitis of the shinbones. V. P. Zubynin. Shkol. nauch. rab. Azovo-Chit. inst. mekh. sel'-khoz. no 14 108-123 '58

## TICKS

(see also subdivision under Moldavia)  
Nymphal diapause in the tick Ixodes ricinus L. Report No. 1: Behavior of hungry nymphs and development of replete nymphs in relation to photoperiodic conditions. V. N. Belozov. Med. par. i pub. bol. 35 no 6 723-729 N-D '66

Occurrence of Ixodes arboricola P. Sch. et Schl. in bird nests. V. S. Gombitski. Zool. zhur. 15 no 12 1881-1882 '66

## TIDAL WAVES

Tsunami in the Alekseev. Az. i Afr. seg. 10 no 1 10-12 Ja '67

## TIENTSIN—AERONAUTICS IN METEOROLOGY

Atmospheric turbidity based on observations from helicopter in piedmonts and mountains of western spurs of Tientsin. O. A. Lipina, I. U. N. Ogn', N. N. Romanov. Trudy GGO no 189 151-159 '66

Some characteristics of an MI-1 helicopter flight in piedmont and mountain parts of western spurs of Tientsin in summer. P. A. Vorontsov and others. Trudy GGO no 189 110-127 '66

## TIENTSIN—ALASKITE

Crystallization of alaskites from Karakul'dzhin Valley (central Tientsin). A. B. Vistellus. Dokl. AN SSSR 172 no 1 165-167 Ja '67

## TIENTSIN—ATMOSPHERE

Atmospheric turbidity based on observations from helicopter in piedmonts and mountains of western spurs of Tientsin. O. A. Lipina, I. U. N. Ogn', N. N. Romanov. Trudy GGO no 189 154-159 '66

## TIENTSIN—WEATHERING

Ancient weathering surface in roof of Lake Cambrian upper tectonite blocks of Tientsin. M. M. Adyshev, V. V. Shabalina. K. E. Kalman zvez. Dokl. AN SSSR 172 no 1 157-160 Ja '67

## TIENTSIN RESERVOIR—FISHES

Development of ichthyofauna in Tientsin Reservoir. M. G. Demtchashvili. Soob. AN Gruz. SSR 44 no 3 735-740 D '66

## TIGLI DISTRICT—NAMES, GEOGRAPHICAL

Nature of geographical names in Tigli District. V. P. Matyushenko. Vop. geog. Ramch. no 4 127-129 '66

## TIKHONOV, NIKOLAI SEMENOVICH, 1896-

A remarkable man; on the 70th anniversary of the birth of N. S. Tikhonov. Vladislav Shoshin, Oktabr' 43 no 12 157-159 D '66

## TILES

(see also subdivision under Armenia, Maritime Territory)

Ceramic tiles for the lining of digesters. R. K. Kordon-skala. Bum. prom. 37 no 5 15-18 My '62

Problems of the production of polystyrene facing tiles. I. A. Goltman, V. G. Koshkin, V. B. Shuminskaya. Stroitel' 7 no 11 23-24 N '61

## TILES, ROOFING

Firing roofing tile in a small tunnel kiln. I. A. Bindler. Stroitel' 7 no 11 27-28 N '61

## TILLAGE

(see also subdivision under Tatar A. S. G. R.)

Extent of soil erosion depending on the method of soil tillage. V. F. Trushin. Pochvovedenie no 4 107-113 Ap '60

Large contour tillage of soils. I. Zagrebayev. Zemledelie 29 no 1 14-16 Ja '67

Let's improve the fertility of turf-Podzolic soils. V. I. Makarov. Zemledelie 8 no 1 21-21 Ap '60

Tilling soil for corn before sowing. A. R. GIK. Tr. ISKIL no 21 216-218 '62

Urgent problems of tillage. M. G. Chibrikov. Zemledelie 8 no 1 10-20 Ap '60

## TIMAN RANGE—PALEOGEOGRAPHY

Paleogeography of the Timanides in the Timan-Pechora region. V. A. Rastvorov. Biol. Moll. Chel. geol. 36 no 5 102-112 S-O '63

## TIMAN RANGE—ZIRCON

Typomorphism and relative significance of zirconization of igneous and metamorphic rocks of northern Urals and Timan Range. N. P. Il'inskiy and others. Mineral. 20 no 4 517-551 '66

## TIMASHEVSKAYA (KRASNODAR TERRITORY)—GRAIN HANDLING

Businesslike approach to the matter. A. I. Popov. Zashch. sel'khoz. prod. no 8 6-9 Ag '66

## TIMBER

(see also subdivision under Ukraine)  
Effect of the curvature of birch logs on the output of sawn timber. S. N. Rykman. Les. bum. i der. prom. no 3 65-71 '56

Output of beech stock from sawmills by hand. K. S. Kludin. Les. bum. i der. prom. no 3 71-73 '66

## TIME AND ECONOMIC REACTIONS

Optimal rates of introducing the new equipment. I. V. Vop. ekon. no 1 111-121 Ja '67

"Time" of time in the power industry. Z. G. Chukhrov. Vop. ekon. no 1 20-40 Ja '67

## TIME MEASUREMENTS

Results of timed observations relative to the operation of J4KR1 and 25KR2 electric mine locomotives in the mines of Kirov Rog Basin mines. A. A. Rongevich, M. B. Mekhala, G. I. A. Kudka. Izv. elektromekh. i avtom. no 1 78-81 '65

## TIME PERCEPTION

Perception of time interval in relation to the speed of work. A. G. Rodionov. Tr. i prib. fiz. i inzh. 28 no 12 57-60 D '66

## TIME SIGNALS

Official time at mean moments of radio signal transmissions. Final. vrem. v sred. mom. period. radiorazl. Ja-My '66

## TIME STUDY

Analysis of the utilization of working time. V. Pavlov, A. Yakovlev. Nuk. khuz. Kazakh 21 no 11 81-82 N '66

The five day workweek and the structure of working time. R. Makarevich. Soob. fund. 12 no 1 101-101 Ja '67

## TIN

Photometric method for the quantitative determination of tin in food products, for example, in canned food. V. P. Sagokova, A. I. Likhvinina. Shor. izob. v zh. i nauch. ra. 1961 g 40-49

## TIN CANS

Effect of containers and storage conditions on the preservation of tin into tomato paste. A. T. Markov and others. Koms. i ov. prom. 21 no 12 17-20 D '66

## TIN-COPPER ALLOY PLATING see Copper-tin alloy plating

## TIN-GALLIUM ALLOYS see Gallium-tin alloys

## TIN ISOTOPES—DECAY

Nuclear gamma resonances in <sup>110m</sup>In and <sup>120m</sup>In. B. I. Rafailov, V. Knapp, M. Vukobrat. Izv. AN SSSR, Ser. fiz. 31 no 1 98-104 Ja '67

## TIRADENTES, 1748-1792

Ignat'ev, O. K. Tiradentes. [Moskva] Molodaja gvar'diya, 1960, 171 p. (Zhizn' zamechatel'nykh liudei, Seriya biografii, no 10 (426))

## TIRASPOL (MOLDAVIA)—CANNING INDUSTRY

A high reward obliges one to work even better. V. P. Veleiko. Koms. i ov. prom. 21 no 12 1-2 D '66

## TIRASPOL DISTRICT—ELEPHANTS, FOSSIL

Remains of elephant from Karagash quarry. A. I. Davila. Izv. AN Mold. SSR no 8 17-18 '65

## TIRASPOL DISTRICT—GASTROPODA, FOSSIL

Find of shells of Molanopsis impressa Krauss. (Mollusca Gastropoda) in Sarmatian sediments in southern part of Galicia Bay. V. Kh. Itoshka. Izv. AN Mold. SSR no 8 26-33 '65

## TIRE INDUSTRY

(see also subdivision under Dnepropetrovsk)  
Basic problems in the development of the tire industry in the current five-year plan (1966-1970). A. N. Zhuravtsov, A. V. Suslikov, M. I. A. Gorbachev. Kanch. i rez. 26 no 12 2-4 '67

## TIRE INDUSTRY (Continued)

**Begulin, V. V.** [Technology of the manufacture] *Tekhnologiya shingogo proizvodstva*. Moskva, Vysshaya shkola, 1966 202 p.

## TIRES, RUBBER

Calculation of the lateral deformation of "P" type heavy-duty tires. V. N. Prishchikov, *Kauchuk*, 25 no. 12 14-15 '66.

Effect of the structural parameters on the resistance against lateral deformation of car tires. B. I. Kovalev, *Kauchuk*, 25 no. 12, 14-15 '66.

## TIRES, RUBBER—MAINTENANCE AND REPAIR

New regulations for the use of tires. V. Kovalchuk, *Avto transport*, 10 no. 6 27-30 '62.

## TIRES, RUBBER—REPAIRING

Equipment for filling thermal systems, for controlling automatic gas thermometers and for adjusting pneumatic control units. A. I. Zaitsev, *Kauchuk*, 26 no. 150-51 '67.

## TIRES, RUBBER—RETRADING AND RECAPPING

see subdivision under Ukraine

## TISSUE CULTURE

Fine structure of differentiating elements of skeletal muscle in tissue culture. I. I. Likhomirova, N. M. Shendakova, *Arkh. anat. i gist. embriol.*, 51 no. 10 22-30 '66.

Culture of thymus and lymphatic nodes on a medium containing heterologous serum. T. A. Lurina, *Dokl. AN SSSR*, 171 no. 6 131-133 D '66.

## TISSUE METABOLISM

Metabolism of muscular tissue in old rats. E. I. Grishko, N. A. Levchenko, *Fiziol. zhur.*, 52 no. 12, 1455-1459 D '66.

## TISSUES

Histochemical characteristics of hyaluronidase of an animal tissue. A. A. Barov, *Dokl. AN SSSR*, 177 no. 1 720-722 Ja '67.

Sublethal histological characteristics of Hvev and other organs in bony fishes. N. I. Gigen'ev, N. V. Pechayeva, *Dokl. AN SSSR*, 172 no. 1 203-205 Ja '67.

## TITANIUM

(see also subdivision under Sarysai Valley, Kazakhstan, Tengiz Lake region)

Increasing capacity and activity of titanium in nickel-chromium alloys. P. A. Cherkasov, V. V. Averin, A. M. Samarin, *Izv. AN SSSR Met.*, no. 1 19-26 Ja-F '67.

Rate of titanium oxidation by oxygen. V. I. Likhomirov, V. I. Dzhukov, *Vest. LGU*, 21 no. 22 155-157 '66.

Some electrochemical properties of titanium in solutions of fluorine acid. P. K. Andruschenko, I. I. Vlasenko, *Zhur. prikl. khim.*, 34 no. 6 1256-1270 Je '61.

## TITANIUM—CORROSION

Corrosion resistance of titanium and its alloys in solution of hydrochloric acid. A. T. Vankov, V. V. Tikhonov, *Ukr. khim. zhur.*, 32 no. 11 1251-1254 '66.

Studying the mechanism of the protective action of nitric acid additions on titanium in sulfuric acid solutions. V. V. Andreeva, I. A. Iakovleva, *Zashch. met.*, 3 no. 1 55-61 Ja-F '67.

## TITANIUM—METALLOGRAPHY

Mode of twinning in the process of the plastic deformation of titanium. I. P. Odnozhkova, *Izv. AN SSSR Met.*, no. 1 11-19 Ju-F '67.

## TITANIUM—SPECTRA

Diagnosis of minerals of titanium-zirconium alloys using method of infrared spectroscopy. A. I. Bolydrev, L. I. Muravova, *Min. shch.*, 20 no. 2 272-279 '66.

## TITANIUM ALLOYS

Titanium-base ceramic metal alloys. N. N. Timoshenko and others, *Tsvet. met.*, 23 no. 3 68-71 Mr '60.

## TITANIUM ALLOYS—CORROSION

Behavior of titanium alloys in nitric acid at high temperatures. E. I. Antonovskaya, A. A. Pozdeeva, P. N. Ovchinnikov, *Zashch. met.*, 3 no. 1 62-64 Ja-F '67.

## TITANIUM ALLOYS—HARDENING

Effect of annealing and vibratory tumbling on the strength of parts made of OY4-1 titanium alloy after grinding. I. A. Korovin, V. I. Tsybak, R. A. Semenov, *Tekhn. i org. proizv.*, no. 6 81-86 N-D '66.

Simultaneous effect of plastic deformation and aging on structure and properties of TS6 titanium alloy. R. M. Lerdmanov and others, *Fiz. met. i metallurg.*, 22 no. 4 501-507 O '66.

## TITANIUM ALLOYS—METALLOGRAPHY

Selecting alloying elements in creating titanium-base heat resistant alloys. V. V. Glazova, *Izv. AN SSSR Met.*, no. 1 168-174 Ja-F '67.

## TITANIUM ALLOYS—TESTING

Anisotropy of mechanical properties of hot-rolled titanium alloy sheet. G. S. Kazakevich, *Trudy LPI*, no. 200 32-41 '65.

Studying mechanical properties of certain titanium alloys at low temperatures. I. I. Kornilov and others, *Izv. AN SSSR Met.*, no. 1 160-164 Ja-F '67.

## TITANIUM CHLORIDES

Some particular features of the temperature change during the reduction of titanium tetrachloride by sodium. A. I. Voitsitskiy and others, *Zhur. prikl. khim.*, 31 no. 6 1351-1354 Je '61.

## TITANIUM-IRON ALLOYS see Iron-Titanium alloys

## TITANIUM-MOLYBDENUM-IRON ALLOYS—METALLOGRAPHY

Thermal etching of a  $\beta$ -alloy in the system Ti-Mo-Fe-Al. N. V. Ageev and others, *Izv. AN SSSR Met.*, no. 1 165-167 Ja-F '67.

## TITANIUM OXIDES

Decomposition of titanite concentrate by sulfuric acid. A. M. Bobrova, E. V. Balukova, V. B. Savell'eva, *Lakokrasn. mat. i kh. prikl.*, no. 6 11-11 '66.

Mechanism of chlorination of titanium dioxide with chlorine in the presence of carbon. G. V. Shtakov and others, *Zhur. org. khim.*, 12 no. 1 8-14 Ja '67.

## TITANIUM OXIDES—OPTICAL PROPERTIES

Electric and optical properties of titanium dioxide films. T. S. Tsvetina, E. A. Mikhlin, *Izv. vys. ucheb. zav. i fiz.*, 9 no. 6 74-80 '66.

## TITRIMETERS

Titrimeter for use in the volumetric method of humus determination. V. P. Tsyplenkov, *Pochvovedenie*, no. 4, 120 Ap '60.

## TOBACCO see subdivision under Armenia

## TOBACCO—ANALYSIS AND CHEMISTRY see subdivision under Armenia

## TOBACCO MOSAIC VIRUS

Inactivation of tobacco mosaic virus by some chemical substances and the factors influencing its reversibility. A. D. Bobyr, P. F. Baranova, *Mikrobiol. zhur.*, 24 no. 5 56-62 '62.

## TOCOPHEROL

Vitamin E content in the blood serum in patients with atherosclerosis. E. A. Evdoshchenko, *Zhur. uzh. nos. i gor. bol.*, 10 no. 6 65-68 N-D '60.

## TOKMAK REGION (KIRGHIZISTAN)—PLANTS, PROTECTION OF

Tokmak Station. E. Kas'anova, *Zashch. rast.*, 12 no. 1 46-47 '67.

## TOKTOGUL HYDROELECTRIC POWER STATION

Special features in conducting boring and blasting operations for the construction of Toktogul Hydroelectric Power Station. V. P. Zorin, A. V. Kolesnaga, *Vozry. delo*, no. 61/61, 269-280 '66.

## TOKYO—DESCRIPTION

Tokyo in flames. Z. Zavljalov, *Az. i Afr. seg.*, 10 no. 1 8-9 Ja '67.

## TOLERANCE (ENGINEERING)

Calculation of diameter tolerances in wire drawing. N. V. Sokolov, *Stal*, 21 no. 11 1045-1046 N '61.

## TOLSTOI, LEV NIKOLAEVICH, 1828-1910

**Lebedeva, V. A.** [Tolstoi and children] *Tolstoi i deti*, Tula, Priokskoe knizhnoe izd-vo, 1966, 47 p.  
**Natasha Reslova:** a study of the heroine of "War and Peace." F. V. Krasnov, *Nauch. dokl. vyssh. shkoly. filol. nauk*, 5 no. 1 118-122 '62.

## TOLSTOI, LEV NIKOLAEVICH, 1828-1910—AESTHETICS

**Babayev, E. G.** [Tolstoi on art] *Tolstoi ob iskusstvo*, Tula, Priokskoe knizhnoe izd-vo, 1966, 47 p.

## TOLSTOI, LEV NIKOLAEVICH, 1828-1910—HOMES AND HAUNTS

**Dol'shakov, L. N.** [Lev Tolstoi; researches and finds] *Lev Tolstoi, polski i mikhodki* [Cholobinskii] *Ruzhno-Ural'skoe knizhnoe izd-vo*, 1964, 101 p.

## TOLUENE

Block copolymerization of isopropenyltoluene and styrene. R. G. Ismailov and others, *Dokl. AN Azerb. SSR*, 22 no. 9 20-24 '66.

Mass spectrometric study of toluene transformations on palladium tape. V. M. Griaznov, A. Smaches, K. Mal'donado, *Dokl. AN SSSR*, 171 no. 6 1358-1360 D '66.

Reactions of <sup>14</sup>C recoil atoms in mixtures of picoline-toluene. L. P. Firsova, *Vest. Mosk. un. Ser. 2: Khim.*, 21 no. 6 105-106 N-D '66.

## TOLYL DISULFIDE CRYSTALS

Refinement of the crystalline structure of diparatolyl disulfide. L. G. Vorontsova, Z. V. Zvonkova, G. S. Zhdanov, *Dokl. AN SSSR*, 172 no. 3 584-587 Ja '67.

## TOMATO PRODUCTS—CONTAINERS

Effect of containers and storage conditions on the penetration of tin into tomato paste. T. T. Marik and others, *Kons. i ov. prom.*, 21 no. 12 17-20 D '66.

## TOMATOES see subdivision under Armenia

## TOMATOES—RESEARCH

Apparatus for determining the resistance of tomato fruits to mechanical injuries. R. Kh. Bekov, B. V. Kvasnikov, A. I. Zaitsev, *Vest. sel'khoz. nauk*, 11 no. 12 97-100 D '66.

## TOMATOES, CANNED

System of chemical and technological control in the production of concentrated tomato products. M. G. Zagorvenko, *Kons. i ov. prom.*, 22 no. 1 30-31 Ja '67.

## TOMME, MIKHAIL FEDOROVICH, 1896-

70th birthday of Corresponding Member of the All-Union Academy of Agricultural Sciences Mikhail Fedorovich Tomme. L. G. Titina, *Vest. sel'khoz. nauk*, 11 no. 12 124 D '66.

## TOMSK—ALCOHOLISM—TREATMENT

Some data on chronic alcoholism in the period 1948-1957 according to materials of the Tomsk Psychoneurological Hospital. S. M. Beliaev, S. A. Koreneva, D. A. Kolykhailova, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 370-379 '61.

## TOMSK—ENCEPHALITIS, EPIDEMIC

Mental disorders in tick-borne encephalitis according to materials collected in Tomsk, 1948-1958. A. A. Pere'llman, E. K. Dubovitsa, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 149-153 '61.

## TOMSK—ENCEPHALITIS, EPIDEMIC—PREVENTION

Characteristics of the Tomsk focus of tick-borne encephalitis and measures for its sanitation. S. P. Karpov, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 175-181 '61.

## TOMSK—MENTAL ILLNESS

Mental disorders in tick-borne encephalitis according to materials collected in Tomsk, 1948-1958. A. A. Pere'llman, E. K. Dubovitsa, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 149-153 '61.

## TOMSK—PSYCHIATRIC HOSPITALS

50 years of the Tomsk Psychoneurological Hospital (1908-1958). Z. L. Cheredova, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 393-401 '61.

## TOMSK—STRONGYLOIDIASIS

Strongyloidiasis in the Tomsk Psychoneurological Hospital. N. N. Petrova, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 385-395 '61.

## TOMSK GOVERNMENT—AGRICULTURAL POLICY

Agricultural policy of the prerevolutionary government in Western Siberia in the late 19th and early 20th centuries; based on the materials of the Tomsk Government. L. G. Sukhotina, *Trudy TGU*, 156 61-73 '65.

## TOMSK GOVERNMENT—REVOLUTION, 1917-1921

Role of peasant congresses in the establishment of Soviet rule in the rural areas of the Altai and Tomsk governments. G. A. Kordonskiy, *Trudy TGU*, 158 113-124 '65.

## TOMSK PROVINCE—NEUROPSYCHIATRY

State of psychoneurological outpatient service in Tomsk Province. Sh. Sh. Bogodanova, *Trudy Gos. nauch.-issl. inst. psikh.*, 26 454-456 '61.

## TOMSK PROVINCE—SHEEP

Version of the unprofitableness of sheep raising farms. N. P. Selschev, *Zakup. sel'khoz. prod.*, no. 11 42-43 N '66.

## TONGUE

Intralingual administration of drugs. A. G. Pankov, *Sov. med.*, 29 no. 10 56-60 O '66.

## TONGUE—CANCER

Stable recovery from cancer of the tongue complicated by radiation necrosis of the mandible. V. V. Akulnischeva, *Vied. rad.*, 12 no. 1 31-35 Ja '67.

## TONSILS—DISEASES

Arterial dystonia and chronic tonsillitis. R. S. Ivanov, A. K. Lestopad, *Trudy LPMI*, 37 38-47 '65.

Lesions of the heart in chronic tonsillitis. R. S. Ivanov, I. A. G. Ioffe, *Trudy LPMI*, 37 48-56 '65.

Observations on patients with cardiointestinal syndrome. S. I. Lilenko, *Trudy LPMI*, 37 146-154 '65.

Metlysmographic observations in tonsillogenic intoxication. R. S. Ivanov, *Trudy LPMI*, 37 57-64 '65.

Present-day principles of the prevention and treatment of angina and chronic tonsillitis. B. S. Preobrazhenskii, *Zhur. uzh. nos. i gor. bol.*, 19 no. 6 3-12 N-D '59.

Some problems of the clinical aspects and etiology of the diencephalic syndrome. V. I. Vlasova, *Trudy Turk. nauch.-issl. inst. khim.*, kur. i fiz. metod. lech. 8-84-105 '65.





## TRACTORS—CLEANING

Carburetor-type chamber for a formal washing of tractors  
Tekh. v sel'khoz. 21 no. 141-61 '67.

## TRACTORS—COLD WEATHER OPERATION

Concerning the temperature of tractor transmission system oil in the winter. A. Polov V. Matveyev. Tekh. v sel'khoz. 21 no. 12-15 D '61.

Concerning the winter operation of tractors. A. Shelud'ko. Tekh. v sel'khoz. 21 no. 12-11 D '61.

Concerning the winter operation of tractors. Tekh. v sel'khoz. 21 no. 12-10 D '61.

Greasing and oil starting mixture. V. Zakharkinski. Tekh. v sel'khoz. 21 no. 12-10 D '61.

Heating of fuel on the DT-43 tractor. I. Tarnev. Tekh. v sel'khoz. 21 no. 12-11-1 D '61.

Tractors should be adapted for winter operation. V. Korotov. Tekh. v sel'khoz. 21 no. 12-10-12 D '61.

## TRACTORS—DYNAMICS

Determining vertical speedup of the frame of the TDT-60 tractor moving on a rough road. IU. L. Kovalev, Sh. M. Gokhman. Izv. vuzov. 9 no. 6-54-59 '66.

Preventing the possibility of the overturning of tractors. V. A. Andronov. Trakt. i sel'khoz. mash. 112-13 Ja '67.

## TRACTORS—ELECTRIC EQUIPMENT

Change in the polarity of the networks of the electrical equipment of automobiles, tractors and harvesters. V. Narshakov. Tekh. v sel'khoz. 21 no. 12-86 D '61.

Determining defects in the electric equipment of tractors and automobiles. V. Levchik. Tekh. v sel'khoz. 25 no. 12-73-75 D '66.

## TRACTORS—ENGINES

Hydraulic head bushings of connecting rods. S. Makarov. Tekh. v sel'khoz. 27 no. 1466-68 '67.

Brakeless testing of tractor engines. N. Mitronichenko. Tekh. v sel'khoz. 27 no. 153-55 '67.

Improvement of the system of starting tractor engines. A. Shtutman, A. Baidin, A. Konnov. Tekh. v sel'khoz. 25 no. 12-57-59 D '66.

Prestarting heating of tractor engines. M. Paramonov. Tekh. v sel'khoz. 27 no. 150-53 '67.

Repair of the cylinder sleeves of tractor engines. P. Gerasimov. Tekh. v sel'khoz. 21 no. 12-50-61 D '61.

## TRACTORS—EXHIBITIONS

For the agricultural machinery operators. Inform. biul. VUZKH. no. 1328-30 Ja '67.

## TRACTORS—FUEL SYSTEMS

Concerning the performance of tractor engine fuel filters. G. Smolnov, A. Zverev. Tekh. v sel'khoz. 21 no. 12-46-47 D '61.

Device for controlling fuel pumps of the T-4 and K-700 tractors. S. Lobanov, V. Kivrenko. Tekh. v sel'khoz. 27 no. 1469-70 '67.

Device for the control of fuel apparatus. P. Pivovarov. Tekh. v sel'khoz. 27 no. 1474-78 '67.

## TRACTORS—HYDRAULIC EQUIPMENT

Hydraulic hammer. Tekh. v sel'khoz. 26 no. 12-63-65 D '66.

## TRACTORS—LUBRICATION

Effect of the quality of lubricating oils on the life of the engine. G. I. Skumlin. Trakt. i sel'khoz. mash. 30 no. 314-17 M: '60.

## TRACTORS—MAINTENANCE AND REPAIR

Abramov, G. A., and A. I. Koslov. [Maintenance system for tractors, motor vehicles and agricultural machinery] Sistema tekhnicheskogo obsluzhivaniia traktorov, avtomobilov i sel'skokhoziaistvennykh mashin Vozmozh. Tsentral'no-Chernozemnoe knizhnoe izd-vo, 1965. 22 p. (Peredovoi opyt v sel'skom khoziaistve) [MICROFILM].

Continuous repair of gearbox cases. IU. Pakhomov. Tekh. v sel'khoz. 27 no. 1464-66 '67.

Let the tractor builders tell their stories. A. Dobriakov. Tekh. v sel'khoz. 21 no. 12-80 D '61.

Repair of tractor frames. M. Lapitskii, L. Khodov, I. Nevitskii. Tekh. v sel'khoz. 21 no. 12-56-58 D '61.

Repairing connecting clutches of a power take-off shaft. I. Gulinov. Tekh. v sel'khoz. 27 no. 1477 '67.

Regulating the body of fuel injectors. V. Zimenkov. Tekh. v sel'khoz. 26 no. 12-71-72 D '66.

Repairing the turning lever of a steering mechanism. A. Kononov. Tekh. v sel'khoz. 20 no. 12-84 D '66.

A simple device. S. Pinchuk. Tekh. v sel'khoz. 21 no. 12-77 D '61.

Use of glue in the restoration of components. E. Trapeznikov. Tekh. v sel'khoz. 21 no. 12-53-55 D '61.

## TRACTORS—TIRES

Testing of R type tires on "Belarus" tractors. P. N. Stepanuk, B. Ia. Shneider. Trakt. i sel'khoz. mash. no. 123-15 Ja '67.

## TRACTORS—TRANSMISSION DEVICES see subdivision under United States

## TRADE UNION MEETINGS

Protecting workers' labor is a vital concern of trade unions. V. Alekseev. Nefteanik 11 no. 818-19 Ag '66.

## TRADE UNIONS

(see also sub division under France, Hungary, Stavropol Territory, Ukraine, United States, Vilshsk Province)

Activity of trade-union organizations should be at the highest level. Avt. transp. 45 no. 15-7 Ja '67.

Cherkasov, G. N. [Scientific labor organization, objectives, contents and methods] Nauchnaia organizatsiia truda, tseli, soderzhanie, metody. [Moskva] Profizdat, 1967. 117 p.

The development of public participation in the work of trade unions is an important part of the communist education of the masses. A. B. Mazur. Trudy Ir. inst. nat. khoz. no. 1465-179 '66.

In president of All-Union Central Council of Trade Unions. V. S. Nefteanik 11 no. 9-22-23 S '66.

In the interest of one and all. B. Amosov. Sov. prof. sovet. 23 no. 127-29 Ja '67.

Increase the activity of trade-union organizations in carrying out the decisions of the July Plenum of the Central Committee of the CPSU. P. Vin'kov. Grazhd. sv. 12 no. 10-4-5 O '65.

Legal protection of the factory, plant, and local trade-union committees' right to sanction the dismissal of workers. N. G. Kobach. Sov. gos. i prav. no. 157-82 Ja '67.

Selecting documentary materials for publication. F. L. Sonechkin. Sov. snikh. no. 581-88 '65.

## TRADE UNIONS—CONGRESSES

At the plenum of the Central Committee of the Trade Union. Ir. inst. transp. 20 no. 7-51-52 Ji '61.

## TRADE UNIONS—OFFICIALS AND EMPLOYEES see subdivision under Cuba

## TRADEMARKS

[Inventions, industrial samples, trademarks] Izobr., prom. obrat., i. v. znak. 44 nos. 3-4 '67.

## TRAFFIC ACCIDENTS

Injury of thoracic and abdominal organs under the skin of the lower extremity in an automobile accident. A. U. Shifreev. Sud.-med. ekspert. 9 no. 131 O-D '66.

## TRAFFIC ENGINEERING see subdivision under Moscow

## TRAFFIC SAFETY

Safe night driving. N. Galkin. Avt. transp. 40 no. 6-41-46 Je '63.

Belitskiy, L. S., L. A. Keroglu, and T. I. Karpushina. [Highway junctions and their effect on traffic safety] Uchy. avtomobil'nykh dorog i ikh vliianie na bezopasnost' dvizheniia. Moskva, Transport, 1967. 61 p.

## TRAINING OF EMPLOYEES see Employees, Training of

## TRAINING OF TEACHERS see Teachers, Training of

## TRANS-ILI ALATAU—VETCHILING

Results of studying a collection of vetchilings in semi-improved dry-farming in the piedmont belt of the Trans-Il Alatau. V. P. Panashina. Vest. sel'khoz. nauki [Kazakh.], 10 no. 156-59 Ja '67.

## TRANSBAIKALIA—CASSITERITE

Characteristics of cassiterite from the pegmatite vein in eastern Transbaikalia. V. A. Kornetova. Trudy Min. muz. no. 12-218-222 '61.

## TRANSBAIKALIA—FLUORSPAR

Crytallomorphology of fluorite from some favorable deposits of Kizirnyy group (western Transbaikalia). P. K. Vork. V. S. Mel'nikov. Min. shor. 20 no. 4-198-506 '68.

## TRANSBAIKALIA—LEAD ORES

History of dispersion of lead and zinc in a complex-metal deposit of eastern Transbaikalia. I. N. Kutsuk. Zap. LGI 43 no. 2-112-121 '62.

## TRANSBAIKALIA—METALS, RARE AND MINOR

Kuznetsov, K. F., and G. M. Mel'tov. [Geochemistry of rare elements in lead-zinc deposits of eastern Transbaikalia] Geokhimiia redivkh elementov v svyatsovotekhnicheskikh mestorozhdeniyakh Vostochnogo Zabaikalia. Moskva, Nauka, 1967. 240 p.

## TRANSBAIKALIA—MICA

Correlation of indices of refraction and iron content in biotites as revealed by study made in Mesozoic intrusions in eastern Transbaikalia. V. L. Litvinov. Min. shor. 20 no. 1-107-113 '66.

## TRANSBAIKALIA—PEGMATITES

Characteristics of cassiterite from the pegmatite vein in eastern Transbaikalia. V. A. Kornetova. Trudy Min. muz. no. 12-218-222 '61.

## TRANSBAIKALIA—PETROLOGY

Petrology of the Tsagan Oluy Massif (eastern Transbaikalia). O. N. Belousova. Blud MOIP. Oid. geol. 36 no. 3: 143-144 My-Je '61.

## TRANSBAIKALIA—TUNDRAS

Characteristics of mountain-tundra landscapes of Transbaikalia. F. A. Rude, L. A. Sokolov. Pochvo. edr. no. 4-47-56 Ap '66.

## TRANSBAIKALIA—ZINC ORES

History of dispersion of lead and zinc in a complex-metal deposit of eastern Transbaikalia. I. N. Kutsuk. Zap. LGI 43 no. 2-112-121 '62.

## TRANSBAIKALIA—ZIRCON

Habitat types of accessory zircon in granitoids. I. V. Zaslavskaya. Min. shor. 20 no. 1524-531 '66.

## TRANSCARPATIA—GROCERY TRADE—MANAGEMENT

In Transcarpathia they trade in the new way! V. Kisilev. Sov. toig. 40 no. 2-52-53 F '67.

## TRANSCARPATIA—GUIDEBOOKS

[Young tourists in the Carpathians, a guidebook in Ukrainian and Russian] Umyl kuryat v Karpatakh, putivnyk ukrains'kolu ta roslia'kolu movamy. Uzhhorod, "Karpaty," 1966. 318 p. illus., fold. maps (in pocket). (NN)

## TRANSCARPATIA IN LITERATURE

Sketches on Transcarpathia and their role in the development of socialist realism in Czechoslovakia in the thirties. N. Kh. Kopylovskaya. Inoz. filol. no. 6 129-137 '66.

## TRANSCAUCASIA—COMMUNIST YOUTH LEAGUE

The Komsomol of Transcaucasia in struggle for the realization of the socialist reform during the first years of the Soviet regime, 1921-1925. O. A. Avetisyan. Vest. obshchestv. nauk AN Arm. SSR no. 4-10-24 Ap '66.

## TRANSCAUCASIA—FORESTS AND FORESTRY

Akademiia nauk SSSR, Sibirskoe otdeleniye, Institut lesa i derevsnly. [Forests of the U. S. S. R. in five volumes] Lesa SSSR v piati tomakh. Moskva, Nauka. Vol. 3. [Forests of the south of the European part of the U. S. S. R. and Transcaucasia] Lesa luga Evropeiskoi chasti SSSR i Zakavkaz'ia. 1965. 461 p. (DNAL)

## TRANSCAUCASIA—GEOLOGY, STRATIGRAPHIC

Correlation Miocene sediments in the Nakhichevan A. S. S. R. with synchronous layers in other areas of Azerbaijan and the regions of Transcaucasia and the Caucasus. M. T. Pionina. Dokl. AN Azerb. SSR 18 no. 3-39-42 '62.

## TRANSCAUCASIA—HISTORY

How the workers of Baku struggled for the establishment of the Transcaucasian Federation. G. M. Gasanov. Trudy inst. ist. partii [Azerb.], 27-28-290 '64.

The struggle of the Communist Party of Azerbaijan for the establishment of the Transcaucasian Soviet Federal Socialist Republic and its admission into the U. S. S. R. Izv. B. Guliev. Trudy inst. ist. partii [Azerb.], 27-28-287 '64.

## TRANSCAUCASIA—HISTORY—SOURCES

Mashin ibn Namdar and the urban population of Baylakan. V. M. Belis. Izv. AN Azerb. SSR. Ser. ist., filol. i prava no. 3:50-61 '66.

## TRANSDUCERS

Experimental study of transfer characteristics of a single-chamber thermostatic methane transducer. V. M. Panasyev. Dop. AN URSR no. 12-1577-1580 '66.

Semiconductor transducers in automatic control systems of substations. V. N. Bakhrakh. Elek. i topl. tuga 10 no. 11-26-27 N '66.

Use of Hall transducers for measuring the electromagnetic moments of electrical machines. V. A. Mianikov. Shor. rab. po vop. elektromekh. no. 4-254-269 '66.

## TRANSFORMATIONS (MATHEMATICS)

Approximations of ergodic dynamic systems by periodic transformations. A. B. Kotek, A. M. Stepin. Dokl. AN SSSR 171 no. 8:1208-1271 D '66.

## TRANSIENTS (DYNAMICS)

Elements of the theory of the sudden stoppage of mining machinery. A. N. Golubentsev. Ugol' Ukr. 7 no. 3:19-22 M '63.

TRANSIENTS (DYNAMICS)—MATHEMATICAL MODELS  
Mathematical description of transient aerodynamic processes in mines. V. A. Bolko, IU. M. Karbovskii. Gor. elektromekh. i avtom. no. 1:182-187 '65.

## TRANSIENTS (ELECTRICITY)

Transient process in a three-mass torsion system with electric drive. G. I. Anan'ev. Izv. vuzov. uch. zhe. gor. zhur. 10 no. 1:137-141 '67.

Venikov, V. A., ed. [Transient processes in electrical systems with examples and illustrations] Perekhodnye protsessy elektricheskikh sistem v primerakh i illiustratsiyakh. [By] N. D. Anisimova i dr. Izd. 2, dop. Moskva, Energiia, 1967. 455 p.



- TREES**  
(see also subdivision under White Russia)  
Center of gravity and the moment of inertia of trees.  
A. A. Dobrodeev. *Izv. vuz. ucheb. zav.*, 1964, 11, 9  
no. 5, 60-66 '66  
Effect of topdressing with microelements on fruit bearing  
of some woody plants. M. D. Natsiyovich, I. U. Klad-  
chuk. *Vest. AN BSSR Ser. biol. nauk* no. 4 15-23 '66  
Interrelationship between ash, oak, and linden through  
their root excretions. I. A. Khaman, I. N. Rakhitsenka.  
*Vest. AN BSSR Ser. biol. nauk* no. 1 21-28 '66
- TREES—DISEASES AND PESTS** see subdivision under  
Lugansk Province
- TREES—GRAFTING** see subdivision under Archangel  
Province
- TREES—PHYSIOLOGY**  
Characteristics of trees of various classes based on the  
level and energy of metabolism. A. P. Sladnev. *Izv.*  
*vuz. ucheb. zav.*, 1964, 11, 9 no. 6-9-8 '66  
Effect of rubber elon on the photosynthesis and carbo-  
hydrate metabolism in tree species. D. A. Lomtasov,  
L. P. Sakhmurov. *Sbornik nauch. posled. Khark.*  
no. 6 281-290 '61
- TREMATODA** see subdivision under Atlantic Ocean
- TREMOTITE** see subdivision under Kirghizistan
- TRIPPING MACHINERY**  
Classification of mottorized machinery. I. I. Mer. *Vest.*  
*Sverdlovsk. nauch. i. in. 11-17 '66*
- TRIMMING** see subdivision under Kirghizistan
- TRIMETHYLENE SULFIDE—DIPOLE MOMENTS**  
Dipole moments and structure of some derivatives of  
thietane. B. A. Arbutov, O. N. Muradova, A. N.  
Vajshlagin. *Dokl. AN SSSR* 172 no. 3 591-594  
Ja '67
- TRIOCTYLAMINE**  
Infrared spectra and structure of compounds formed in  
the reaction of acetic acid and U by trioctylamine  
solutions. A. A. Lipovskii, M. G. Kuzina. *Zhurn.*  
*neorg. khim.* 12 no. 1 239-243 Ja '67
- TRIODES**  
Calculation of permeability of plane triodes. V. N.  
Andreev, G. A. Morozov. *Dokl. AN BSSR* 10 no. 11 853-  
855 N '66
- TRIOXANE**  
Filtration of a suspension of trioxane. N. A. Morozov,  
F. V. Rutova, V. V. Suvorov. *Plast. massy* no. 1 65-  
69 '67  
Thermal oxidative destruction of trioxane copolymer with  
divolant. I. G. Sklarova and others. *Plast. massy*  
no. 1 10-43 '67
- TROITSKII, NIKOLAI ALEKSANDROVICH, 1887-1957**  
In memory of Nikolai Aleksandrovich Troitskii. *Izv.*  
*Kyrm. otd. Geog. ob-va* no. 4 219-220 '61
- TROLLEYBUSES**  
Afanasyev, A. S. [Safety manual for an erector of over-  
head contact and cable systems for streetcars and  
trolleybuses]. Pamiatka po tekhnike bezopasnosti moni-  
toru kontaktov i kablov'noi setei tramvaya i trolleibusa.  
Moskva, Stroizdat, 1965. 81 p. (Tekhnika bezopas-  
nosti v kommunal'nom khozinstve)
- TROPAPHEN**  
Evaluation of therapeutic effect of tropaphen in endarteri-  
tis obliterans and other occlusions by cutaneous ther-  
mometry and vascular permeability determination.  
T. G. Gogotskii. *Soob. AN Gruz. SSR* 44 no. 3 787-  
802 D '66
- TROPICAL PLANTS**  
Some data on softwood cuttings of greenhouse (subtropical)  
plants. L. S. Vnukina. *Vest. AN BSSR Ser. biol.*  
*nauk* no. 3 70-73 '66
- TROTSKYISM**  
Efforts of the Moscow party organization to strengthen  
the unity of the party and to defeat Trotskyism, 1921-  
1927. V. P. Gligarev, G. A. Tolmurov, M. V. Khuzov.  
*Vop. ist. KPSS* 11 no. 2 118-127 E '67
- TRUSSES**  
Calculating resistance to cracking of the lower boom and  
bearing joints of reinforced concrete trusses with  
steel reinforcement. M. I. Ichenko. *Pront. st. o. i.*  
*inzh. soor.* 8 no. 5 27-29 N-D '66  
Manufacture and testing of prestressed reinforced con-  
crete trusses. V. Rokach and others. *Pront. st. o. i.*  
*inzh. soor.* 8 no. 6 15-17 N-D '66  
Manufacture of truss elements in multiple devices.  
S. Botvinnik. *Nast. o. i. Ros.* 1 no. 7 19-31 '65  
"Method of erection by piecemeal", assembling large-  
span vaulted trusses for motion-picture theaters and  
concert hall. V. I. Zhurav, E. I. Makarev. *Stro. i.*  
*svyaz. Len.* 28 no. 6-26 Ja '66
- TRUSTS, INDUSTRIAL** see subdivision under United  
States
- TRUSTS, INDUSTRIAL—BIBLIOGRAPHY** see Biblio-  
graphy—Trusts, Industrial
- TRUSTS, INDUSTRIAL—LAW** see subdivision under  
Europe, Western, United States
- TRYPANOSOMA**  
Trypanosoma and Sarcosporidia of *Marmota caudata*  
Geoffr. P. A. Muratov, A. U. Kulina. *Izv. Otd. biol. nauk*  
*AN Tadzh. SSR* no. 3 103-105 '66
- TRYPANOSOMA—CULTURES AND CULTURE MEDIA**  
Submicroscopic structure of leptomastix form of *Lepto-*  
*mosoma tropica*. I. A. Manukian. *Biol. zhur. Arm.* 10  
no. 10 23-27 O '66
- TRYPSIN**  
Blood serum  $\alpha_2$ -globulin, modifying trypsin activity.  
V. A. Boltshev, E. I. Khodorova, E. A. Smekhova.  
*Dokl. AN SSSR* 172 no. 3 723-726 Ja '67  
Comparative characteristics of radical states emerging  
in crystalline trypsin following proton irradiation with  
the energy of 660 mev and gamma quanta. I. S. Gapon-  
nova, S. T. Glazburg, N. S. Postnikova. *Biofizika* 11  
no. 5 900-910 '66  
Effect of surface-active substances on enzymatic activity  
of trypsin, acetylcholinesterase and acetylcholinesterase.  
V. V. Mosolov, E. V. Lushnikova. *Dokl. AN SSSR* 167 no. 2  
454-466 Mr '66
- TRYPTOPHAN**  
Participation of tryptophan and thiozoline residues in pro-  
tein fluorescence. V. P. Babrova, S. V. Konev.  
*Vest. AN BSSR Ser. biol. nauk* no. 4 110-113 '66  
Some characteristics of tryptophan synthesis by typhoid  
bacteria. B. U. Shuster. *Zhurn. mikrobiol., epid. i.*  
*immun.* 44 no. 1 149-150 Ja '67  
Studying the role of singlet and triplet excitation phases  
of tryptophan in tyrosin photoinactivation. S. V. Konev.  
I. D. Velotovskii. *Biofizika* 11 no. 5 791-795 '66
- TSELENOGRAD PROVINCE—ERYSIPELOTHRIX**  
Isolation of *Erysipelothrix* in water rats caught in  
Tselinograd Province. A. I. Kolodovskii, L. I. Seigeeva.  
*Zhurn. mikrobiol., epid. i. immun.* 44 no. 1 154 Ja  
'67
- TSELENOGRAD PROVINCE—SOLONETZ SOILS**  
Let us utilize Solonetz soils. B. Tolebaev. *Zemledelie*  
29 no. 1 20 Ja '67
- TSENTRAL'NO-CHERNOZEM ZAPOVEDNIK** see  
Central Chernozem Preserve
- TSETLIN, MIKHAIL L'VOVICH, 1924-1966**  
Mikhail L'vovich Tsetlin; an obituary. *Biofizika* 11  
no. 3 339-341 '66
- TSEILING MOUNTAINS—WOODY PLANTS**  
Study of the vertical distribution of trees and shrubs in  
the Tseling Mountains, explorations of the northern  
border of the Chinese subtropics. A. V. Vasil'ev.  
*Trudy Sukh. bot. sada* no. 13 11-32 '60
- TSIOLKOVSKII, KONSTANTIN EDUARDOVICH, 1857-  
1935**  
Letters from K. I. Tsiolkovskii to D. I. Mendeleev. *Av.*  
*i kosm.* no. 2 53-54 E '67
- TSIRUPA, ALEKSANDR DMITRIYEVICH, 1870-1928**  
Commissary of the revolution, documented stories.  
A. Verbitskii. *Zakup. sel'khoz. prod.* no. 11 30-33 N '66
- TSKHALTUBO—RADIOTHERAPY**  
Mechanism of the effect of the TSkhaltubo baths on breast  
metabolism and the indices of external respiration in  
patients with infectious nonspecific polyarthritis. L. M.  
Dzidziguvi. *Soob. AN Gruz. SSR* 26 no. 6 739-745 Ja '61
- TUAPSE—LEUKEMIA**  
Incidence of leukemia in Sochi and Tuapse. V. N. Lebedev  
and others. *Probl. gemat. i. peiel. provi* 12 no. 1 52-54  
Ja '67
- TUBE BENDING**  
Flat-coiled tubes. B. E. Piton, G. V. Raevskii. *Stal'* 21  
no. 11 1012-1016 N '61
- TUBERCULIN**  
Standardization of Soviet tuberculin (PPD). I. P. Zaver-  
skaya, L. V. Mitinskaya, N. S. Sokol'skaya. *Probl. tub.*  
44 no. 1 12-19 '66
- TUBERCULIN—TESTING**  
Characteristics of allergic reactivity of the skin in  
schizophrenia. I. V. Il'inski. *Zhurn. nevro. i. psikh.* 62  
no. 11 1701-1706 '62
- TUBERCULOSIS**  
(see also subdivision under Azerbaijan, Bulgaria)  
Characteristics and activities of the residual changes  
following recovery from cavernous pulmonary tuber-  
culosis. I. E. Kochanova, T. K. Dil'mukhametov. *Sov.*  
*med.* 29 no. 10 17-23 O '66  
Characteristics of fibrin reaction in chronic fibrocaver-  
nous pulmonary tuberculosis. E. N. Kurianova-Ianchen-  
ko. *Trudy LPMI* 37 111-117 '65  
Clinical and morphological characteristics of the larvae  
in tuberculosis of the lungs in connection with antibac-  
terial drug treatment. V. O. Oshanskii. *Zhurn. ush.*  
*nos. i. gorl. bol.* 19 no. 6 56-62 N-D '69  
Clinical aspects and diagnosis of infiltrative destructive  
pulmonary tuberculosis. V. N. Adamovich. *Probl. tub.*  
44 no. 1 32-37 '66  
Clinical aspects, treatment and prognosis of pulmonary  
tuberculosis. V. S. Anastasev. *Probl. tub.* 44 no. 1  
26-32 '66  
Determining of the healing processes in tuberculosis.  
I. E. Kochanova. *Sov. med.* 29 no. 11 3-9 N '66  
Fragmentary thoracoplasty. G. M. Kagalovskii, M. I.  
Medvedeva, A. G. Sidorenko. *Grud. khir.* 9 no. 1 70-82  
Ja '67  
Morphological data on the problem of cor pulmonale in  
tuberculosis. A. A. Bikhun. *Probl. tub.* 44 no. 1 60-65  
'66  
Rasulev, I. N. [Pathomorphology of the endocrine glands  
in tuberculosis]. *Patomorfologiya endokrinnykh zhelez*  
*pri tuberkuleze*. Pod red. R. I. Dantlova. Tashkent,  
Meditsina, 1966. 105 p.  
(DNLM)

## TUBERCULOSIS (Continued)

Röntgenological pictures of different types of pulmonary tuberculosis. A. V. Aleksandrova, N. I. A. Demidchik. Probl. tub. 44 no. 120-23 '66.

Role of bronchoscopy in surgical intervention in cavernous forms of pulmonary tuberculosis. G. B. Podgaletskii. Zhur. uzh. nos i gorl. bol. 19 no. 4 65-68. JI-Ag '59.

Tuberculosis and collagen diseases. T. N. Olenova. Probl. tub. 44 no. 137-43 '66.

## TUBERCULOSIS-DIAGNOSIS

(see also subdivision under Oreol)

Eight-year experience in using tracheobronchoscopy in a district dispensary. E. G. Beloslud. Probl. tub. 44 no. 156-59 '66.

TUBERCULOSIS-HOSPITALS AND SANATORIUMS see subdivision under Crimea

## TUBERCULOSIS IN CATTLE

Make use of the achievements of science on tuberculosis in practice. M. K. Uskavets, R. U. Tuzova. Vestn. AN SSSR, Ser. sel'hoz. nauk. no. 4108-111 '66.

## TUBERCULOSIS RESEARCH

Pathogenesis of fowl tuberculosis in mammals. R. V. Tuzova. Probl. tub. 44 no. 165-69 '66.

TUFFITES see subdivision under Kremenchug region

## TUGBOATS

(see also subdivision under United States)

In situ tests of tugboats equipped with flanking rudders and steering nozzles. M. Tilavich. Rech. transp. 20 no. 7,24-27. JI '61.

## TULA-ARCHIVES

Promotion of revolutionary traditions. L. I. Kizilev. Sov. arkh. no. 5:67-70 '66.

## TULA-BOOKSTORES

Bookstores as clubs. G. Il'ichev. Knizh. tovg. 18 no. 1: 33 Ja '67.

## TULA-SOCIAL GROUP WORK

Bookstores as clubs. G. Il'ichev. Knizh. tovg. 18 no. 1: 33 Ja '67.

## TULA BASIN-MINE COMMUNICATION SYSTEMS

Designing communication equipment for underground transportation, and experience in its operation. P. F. Moiseev, A. M. Zhogov. Sbor. nauch. trud. PNIUI no. 10:173-181 '66.

## TULA BASIN-MINE RAILROADS-TIES

Reinforced-concrete mine railroad ties with wooden inserts and spike bracing of rails, designed by Moscow Region Coal Scientific Research and Design and Construction Institute. G. N. Romanchenko. Sbor. nauch. trud. PNIUI no. 10:211-214 '66.

## TULA PROVINCE-TRANSPORTATION, AUTOMOTIVE

With creative power, initiative and enthusiasm. I. I. Khonov. Avi. transp. 40 no. 6:5-6 Ja '62.

## TULAREMIA

(see also subdivision under Murmansk Province)

Clinical aspects and treatment of tularemia psychoses. F. I. Orudev. Trudy Gos. nauch.-issl. inst. pulkh. 26: 267-275 '61.

## TUFTS INOCULATION

The course of vesicular eruptions...

## TUMORS-TRANSPLANTATION

Comparative study of the effect of irradiated and non-irradiated plant extracts on the transplantability of tumor cells. L. M. Krivkova, A. M. Kuzin. Radiobiologiya 2 no. 4:567-568 '62.

TUNA see subdivision under Atlantic Ocean

TUNDRA see subdivision under Transbaikalia

TUNGSTEN see subdivision under Black Sea

## TUNGSTEN-METALLOGRAPHY

Formation of packing defects in tungsten crystals fused by an electron beam. G. V. Dudko, A. P. Dostanko, O. V. Mitrofanov. Elek. obr. mat. no. 1:33-34 '66.

## TUNGSTEN-COBALT-COPPER ALLOYS

Selecting an electrode material for electric spark machining. G. V. Simsonov, I. M. Mukha, A. N. Krushinskii. Elek. obr. mat. no. 1:28-32 '66.

## TUNGSTIC ACID

Tenametric and thermographic study of WOBr<sub>3</sub> and WO<sub>2</sub>Br<sub>2</sub>. G. A. Kokovin, Zhur. neorg. khim. 12 no. 1:15-19 Ja '67.

## TUNESIA-DESCRIPTION AND TRAVEL

New horizons of an old country, travel notes. I. U. Rubin-ski. Nov. vrem. 25 no. 5:27-28 Ja '67.

## TUNNEL DIODES

Analysis of the operation of mutually folding tunnel diodes. M. L. Andreev. Radiotekhnika 22 no. 1:106-104 Ja '67.

## TUNNEL LINING

Determining durability of lining of pressed concrete. G. P. Rekhviashvili. Transp. stroit. 16 no. 2:48-49 F '66.

Unified precast lining in shield tunneling. S. N. Vlasov, I. U. V. Lavreshin. Transp. stroit. 16 no. 3:10-18 Mr '66.

## TUNNELING

Building a tunnel under a main line with intense traffic. N. F. Karasev. Transp. stroit. 16 no. 2:15-17 F '66.

Overall mechanization and organization of labor in the construction of a small cross section tunnel. L. A. Vlasenko, V. P. Sabatdyr. Ugol. Ukr. 7 no. 3:23-24 Mr '63.

Sinking shafts with lowering water levels in building tunnels. G. N. Kharitonenko. Transp. stroit. 16 no. 3:48-49 Mr '66.

## TUNNELS

The best innovator of the Tiflis Tunnel Construction Trust. M. A. Musin. Transp. stroit. 16 no. 2:32-33 F '66.

## TURAN PLATEAU-GEOLOGY, STRUCTURAL

Vol'novskii, L. S., and others. [Tectonics of Turan Plateau] Tektonika Turanskoi plosk. Moskva, Nauka, 1966. 280 p. (Akademiya nauk SSSR. Geologicheskii institut. Trudy, no. 185)

## TURBINES

(see also subdivision under Kharkov)

Eliminating the flooding of oil in AT-1-3 turbines. V. N. Petrovskii. Koks i khim. no. 5:47-48 '62.

## TURBINES-DESIGN AND CONSTRUCTION

Calculating the losses through the radial clearance of turbine working blades. V. N. Znadavorova. Energomaashinstroenie 6 no. 10:16-18 O '66.

Improving the efficiency of turbine active cascades with low height blades. M. E. Delch and others. Teploenerg. 7 no. 8:51-58 Ag '66.

Labelation between institute and plant. Energomaashinstroenie 6 no. 9:43

losses resulting from introducing (P-1226) bearings for use in Rudavskii, M. I. Popovskii, S. A. Neft. obr. no. 11:34-35 '66.

speed on optimum parameters of I. A. Gel'gat. Neft. khoz. 44 3.

drilling regime. V. G. Belikov, M. M. vys. uchob. zav. i nauch. i gaz. 0 no. 8;

of hydrogenators, I. Droboglav, i. sta. 37 no. 12:41-44 D '66.

ability of oil supply systems of the large turbogenerators. L. I. A. Golovin. Elek. sta. 37 no. 12;

reliability of battery fed ionic exciters generators. V. P. Stepanov. Elek. 80 D '66.

A more precise interpretation of Pot'ev's diagram for large turbogenerators. L. G. Kashaevskii. Sbor. nauch. i vop. elektromekh. no. 4:15-20 '60.

Operation of the exciters of hydrogen generators using a self-excitation network with single-system voltage controller. V. P. Stepanov. Elek. sta. 37 no. 12:18-20 D '66.

Special features of the calculation of the characteristics of idle operation and some parameters of model turbo generators. L. A. Sukhanov. Sbor. nauch. i vop. elektromekh. no. 4:37-41 '60.

Temperature check in thrust bearings of hydrogen generators. A. E. Aleksandrov. Elek. sta. 33 no. 3:44-47 Mr '62.

## TURBOGENERATORS-COOLING

Use of a model of the shaft of a turbogenerator station for studying internal water cooling. V. P. Anompadistov, N. N. Anompadistova. Sbor. nauch. i vop. elektromekh. no. 4:3-15 '60.

## TURBOGENERATORS-STANDARDS

Russia (U.S.S.R.). Gosudarstvennyi komitet standartov, mer i izmeritel'nykh prilozheniy. [Hydraulic-turbine driven generators (Hydroelectric generators); technical requirements]. Generatory elektricheskoy gidroturbinye (gidrogeneratory), tekhnicheskoe trobovaniye, GOST 5616-63. Izd. oftsin'tnogo, Moskva [Izd.-vo Standartov] 1963. 16 p. (SSSR, Gosudarstvennyi standart)

## TURBOGENERATORS-VIBRATION

Problems of vibration stability of the designs of the stators of large turbogenerators. L. I. Stanislavskii and others. Elektricheskoye no. 1:10-11 Ja '61.

## TURBOMACHINES

Determination of the efficiency of the feed pump of a unit with condensate turbodrives. B. I. Baevskii. Elek. sta. 37 no. 12:35-38 D '66.

## TURBOMACHINES-AERODYNAMICS

Effect of rated parameters of aerodynamic circuit and of the profiling of blade angles on the mode of characteristics of an axial-flow turbomachine. I. V. Brustlovskii. Prom. aerodin. no. 20:80-85 '66.

## TURBOMACHINES-BLADES

Investigating stress distribution at the bending of helical-bone anchors of turbomachine blades. A. S. Tokkin. Proch. i din. av. dvig. no. 3:135-163 '66.

## TURBOMACHINES-FLUID DYNAMICS

Compensation of the flow, unsteady along the circumference, by the elementary stage of a bladed machine. A. I. Ginzburg. Lop. mash. i stroim. app. no. 1:14-21 '66.

## TURBULENCE

Effect of the initial flow turbulence on the characteristics of an axiallysymmetric submerged jet. A. S. Gilyevskii, K. A. Pochkin. Inzh.-fiz. zhurn. 12 no. 1:15-19 Ja '61.

Experimental determination of coefficient of vertical turbulent diffusion in water for settling particles. V. I. Matukhin, O. N. Prakhov. Sbor. nauch. i vop. elektromekh. no. 6:69-77 '66.

Simplified method to calculate turbulence of ascending flow of slurry in oil and gas well cementing. I. Sh. Rakhimkulov. Naft. khoz. 44 no. 10:27-31 O '66.

## TURGENEV, IVAN SERGEEVICH, 1818-1863

Kuz'mina, L. I., and I. V. Stepanova, comps. [Ivan Sergeevich Turgenev in portraits, illustrations, and documents]. Ivan Sergeevich Turgenev v portretakh, illyustratsiyakh, dokumentakh. Pod obshchey red. L. A. Bialogo, Moskva, Prosveshchenie, 1966. 308 p. "Superfluous people" in Turgenev's and in Herzen's concept in the forties of the 19th century. G. N. Antonova. Nauch. dokl. vyb. shkol. filol. nauk. 5 no. 1: 168-177 '62.

## TURKESTAN-LAND TENURE

The October Socialist Revolution and strengthening the alliance of the working class and peasantry in Turkestan. V. P. Kharin. Trudy TashGU no. 278:10-17 '66.

## TURKESTAN-PEASANTRY

Efforts of the Communist Party of Turkestan to strengthen the alliance of the working class and peasantry during the period of reconstruction. A. I. Khon. Trudy TashGU no. 278:18-29 '66.

## TURKESTAN-REVOLUTION, 1917-1921

The October Socialist Revolution and strengthening the alliance of the working class and peasantry in Turkestan. V. P. Kharin. Trudy TashGU no. 278:10-17 '66.

## TURKEY-FOREIGN RELATIONS-RUSSIA

The Soviet Union and Turkey can live as good neighbors. A. Ganusets. Komm. Ukr. 36 no. 9:75-81 S '66.

## TURKEY-HISTORY

Turkish relations with England and the United States during the Second World War. V. Guseinov, Izv. AN Azerb. SSR, Ser. ist., filol. i prava no. 3:41-49 '66.

## TURKEY-MARRIAGE CUSTOMS AND RITES

When a Turkish girl gets married. D. Ereemeev. Afr. i Afr. seg. 10 no. 1:60-61 Ja '67.



## TURKEY—NATIONALISM

Critical evaluation of reactionary trends in present-day Turkish bourgeois nationalism. Rusif Rustamov. Izv. AN Azerb. SSR Ser. Ist., filol i prav. no. 3:91-99 '66.

## TURKEY—POLITICS AND GOVERNMENT

The Soviet Union and Turkey can live as good neighbors. A. Gamsutsi. Komm. Ukr. 36 no. 5:75-81 S '66.

## TURKEYS

Meat qualities of young Moscow White turkeys. Z. A. Zidukhkh. Doh. 1.18KHA no. 45:93-99 '59.

## TURKIC LANGUAGES—LEXICOGRAPHY

Plastic terminology in Mahmud al-Kasheghari's dictionary "Dih al-Lughat al-Turk." I. A. Bolovkova. Izv. AN SSSR Ser. lit. i jaz. 23 no. 6:520-531 N-D '66.

## TURKIC LANGUAGE—BIBLIOGRAPHY see BIBLIOGRAPHY—Turkic language

## TURKMENISTAN—ANTIQUITIES

Excavations of the Dam-Dam cheese factory, a monument of primitive culture in western Turkmenistan. G. E. Maikov. Izv. AN Turk. SSR Ser. obschestv. nauk no. 5:85-91 '66.

## TURKMENISTAN—CIVIL DEFENSE

Solving the general problem. V. Rykov. Voenn. znan. 13 no. 1:6-7 Ja '67.

## TURKMENISTAN—COTTON TRADE

Cotton production is on a high level. A. Zarnadzh. Zekup. sel'khoz. prod. no. 11:20-21 N '66.

## TURKMENISTAN—DESERTATIONS, ACADEMIC

Academic dissertations. Izv. AN Turk. SSR Ser. biol. nauk no. 5:97-100 '66.

## TURKMENISTAN—ECONOMIC CONDITIONS

Creative work, production, and prosperity. B. Ovezov. Agitator 34 no. 4:10-14 I '67.

## TURKMENISTAN—FORAGE PLANTS—FIELD EXPERIMENTS

Field experiments with alfalfa and other perennial forage leguminous grasses in Turkmenistan. S. O. Ovezmuratov. Izv. AN Turk. SSR Ser. biol. nauk no. 5:17-25 '66.

## TURKMENISTAN—GAS INDUSTRY—FINANCE

Economic effectiveness of capital investments in petroleum and gas industry of Turkmen S. S. R. A. Babakuliev. Neft. khoz. 14 no. 10:6-9 O '66.

## TURKMENISTAN—GEOLOGY—ECONOMIC ASPECTS

Efficiency of using capital assets of geological organizations. S. K. Kizilim. Izv. AN Turk. SSR Ser. obschestv. nauk no. 5:32-43 '66.

## TURKMENISTAN—GEOLOGY, STRATIGRAPHIC

Geosynclinal characteristics of deposits of the Upper Kharab' series and use of spore and pollen analysis in geological exploration of continental Quaternary deposits in the southeastern part of Turkmenistan. L. G. Amuskenia. Trudy Turk. geog. ob-va no. 2:66-105 '61.

## TURKMENISTAN—GEOMORPHOLOGY

Plan for geomorphological regionalization of southeastern Turkmenistan. A. G. Babaev. Trudy Turk. geog. ob-va no. 2:5-57 '61.

## TURKMENISTAN—HAWTHORN

History of hawthorn species introduction in Turkmenia. Kh. Esenova. Izv. AN Turk. SSR Ser. biol. nauk no. 5:20-32 '66.

## TURKMENISTAN—HISTORY

Karyev, A., ed. (History of Turkmenistan) Istoriia Turkmenistana. Ashkhabad, Izd-vo Turkmenistan, 1965.

{MU}

## TURKMENISTAN—HYDROCARBONS

Study of gasoline hydrocarbon losses from oils in western Turkmenia. I. S. Starobinina. A. Parplev. Nauch.-tekhn. sbor. po dob. nefli no. 3:71-76 '60.

## TURKMENISTAN—HYPOTENSION

Changes in the vegetative nervous system in hypotension syndrome in Turkmenistan. M. A. Lyenko, A. S. Sinyev. Trudy Turk. nauch.-issl. inst. klin., kur. i fiz. metod. lech. 8:63-72 '65.

## TURKMENISTAN—ICHNEUMON FLIES

Ichneumon flies (Hymenoptera: Braconidae), collected by using quartz lamp in Turkmenia: their variability and morphological adaptation to life in a desert. V. I. Tobias. Zool. zhur. 45 no. 12:1004-1014 '66.

## TURKMENISTAN—LOCUSTS

Foci of Moroccan locust at the border of the U. S. S. R. and Iran. E. Tsypenko. Zashch. rast. 12 no. 1: 55 '67.

## TURKMENISTAN—MAPS, PHYSICAL

Comments on the outline map of the takys of the Turkmen S. S. R. A. P. Lavrov. Trudy Turk. geog. ob-va no. 2:163-173 '61.

## TURKMENISTAN—MOSQUITOES

Bloodsucking Diptera in health resorts of Turkmenia. L. A. Molotova. Izv. AN Turk. SSR Ser. biol. nauk no. 5:65-71 '66.

## TURKMENISTAN—NAMES, GEOGRAPHICAL

Some remarks on the transcription of geographical names of Turkmenistan. S. Akhmedov. Izv. AN Turk. SSR Ser. obschestv. nauk no. 5:61-61 '66.

## TURKMENISTAN—OIL FIELDS—BUILDINGS AND STRUCTURES

Construction of bases in the Turkmen S. S. R. G. G. Seredn. Razvud. i osh. nuch. 26 no. 8:59 Ag '60.

## TURKMENISTAN—OILSEED PLANTS

Study of some oilseed plants in Turkmenia. M. O. Karyev. Izv. AN Turk. SSR Ser. biol. nauk no. 5:11-16 '66.

## TURKMENISTAN—PARASITES—BIRDS

Bird helminths in southern districts of Turkmenia. V. V. Kibakin. Izv. AN Turk. SSR Ser. biol. nauk no. 5:85-89 '66.

## TURKMENISTAN—PARASITES—GROUND SQUIRRELS

Helminths of Spomophilopsis leptodactylus in Turkmenia. I. A. Babaev. Izv. AN Turk. SSR Ser. biol. nauk no. 5:72-78 '66.

## TURKMENISTAN—PETROLEUM INDUSTRY

The role of the Communist Party of Turkmenistan in the development of geological research and prospecting in the petroleum industry of Turkmenistan in 1939-1940. N. I. A. Vasilina. Izv. AN Turk. SSR Ser. obschestv. nauk no. 5:3-10 '66.

## TURKMENISTAN—PETROLEUM INDUSTRY—FINANCE

Economic effectiveness of capital investments in petroleum and gas industry of Turkmen S. S. R. A. Babakuliev. Neft. khoz. 44 no. 10:6-9 O '66.

## TURKMENISTAN—PLANT INTRODUCTION

History of hawthorn species introduction in Turkmenia. Kh. Esenova. Izv. AN Turk. SSR Ser. biol. nauk no. 5:20-32 '66.

## TURKMENISTAN—PLANTS, ORNAMENTAL

Biology of seed germination in some decorative wild plants of Turkmenia. M. B. Abueva. Izv. AN Turk. SSR Ser. biol. nauk no. 5:40-44 '66.

## TURKMENISTAN—RECLAMATION OF LAND

The reclamation of land program should be put into practice. B. Ovezov. Part. zhizn' no. 4:8-11 F '67.

## TURKMENISTAN—SAND DUNES

Formation of the aeolian relief in the northern part of the western Turkmenistan Lowland. A. T. Lavadnikov. Trudy Turk. geog. ob-va no. 2:130-150 '61.

## TURKMENISTAN—SOLAR RADIATION

Radiation and thermal balance of the Turkmen S. S. R. N. I. A. Mieglov. Trudy Turk. geog. ob-va no. 2:174-200 '61.

## TURKMENISTAN—WORMS, INTESTINAL AND PARASITIC

Bird helminths in southern districts of Turkmenia. V. V. Kibakin. Izv. AN Turk. SSR Ser. biol. nauk no. 5:85-89 '66.

Helminths of Spomophilopsis leptodactylus in Turkmenia. I. A. Babaev. Izv. AN Turk. SSR Ser. biol. nauk no. 5:72-78 '66.

## TURNER, GENRIKH IVANOVICH, 1850-1941

In memory of Genrikh Ivanovich Turner. D. A. Novozhilov. Otop. i travm. i prot. 27 no. 12:73-78 D '66.

## TURNING

Cutting conditions in turning built-up steel. L. N. Solov'ev. V. D. Kononenko. Mashinostroitel' no. 1:22 Ja '67.

The "Dynasty of the Romanovs." M. Korolev, M. Steptchev. Agitator 34 no. 4:20-24 F '67.

## TURPENTINE

Use of non-standard turpentine for diluting oleoresins. V. I. Efimenko and others. Gidroliz. i lesookhm. prom. 15 no. 5:19-21 My '62.

## TURPENTINING

Experience in the use of repeated streak cutting. G. I. A. Rodin. Gidroliz. i lesookhm. prom. 15 no. 5:23-24 My '62.

Leningradskii nauchno-issledovatel'skii institut lesnogo khoz. i sel'sk. [Recommendations for prolonged and short-term tapping of pine stands using a new technology] Rekomendatsii po udlinennoi i kratkosrochnoi podsechke sosnovykh nasazhdenii s primeneniem novoi tekhnologii. Leningrad, 1966. 17 p.

(DNAI)

New methods for the processing of spruce gum and turpentine. I. I. Dardyshev and others. Gidroliz. i lesookhm. prom. 15 no. 5:5-7 My '62.

Pay greater attention to the development of oleoresin production. A. E. Polakov. Gidroliz. i lesookhm. prom. 18 no. 5:3-5 My '62.

## TUVA A. S. S. R.—ARCHAEOCYATHIDAE

Find of remains of Archaeocyathids in "Proterozoic" of southeastern Tuva. G. M. Vladimirov, V. V. Volkov, I. T. Zhuravleva. Dokl. AN SSSR 171 no. 6:1393-1395 D '68.

## TUVA A. S. S. R.—GEOGRAPHICAL RESEARCH

Contribution to the history of the study of the geography, geology and mineral resources of Tuva by Russian travelers during the period from the 17th century to the 20th century. G. D. Kurochkin. Trudy Inst. ist. est. i tekhn. 247-251 '62.

## TUVA A. S. S. R.—GEOLOGICAL RESEARCH

Contribution to the history of the study of the geography, geology and mineral resources of Tuva by Russian travelers during the period from the 17th century to the 20th century. G. D. Kurochkin. Trudy Inst. ist. est. i tekhn. 247-251 '62.

## TUVA A. S. S. R.—ROCKS, IGNEOUS—ANALYSIS

Practice in potassium-argon geochronometry and evaluation of thermodynamic parameters in forming intrusive bodies. V. B. Brandt and others. Izv. AN SSSR Ser. geol. no. 1:21-30 Ja '67.

## TUVA AUTONOMOUS PROVINCE—ERITHOLITE

Eritholite from alkali rocks of southeastern Tuva. V. I. Kotkin, I. A. Platenko, A. V. Bykova. Trudy MGRE no. 4:90-93 '60.

## TUVA AUTONOMOUS PROVINCE—ROCKS

Structural position and age of rare metal-bearing granitoids in eastern Tuva. I. A. D. Shenkman. Biol. MOIP. Old geol. 36 no. 3:143 My-Je '61.

## TUVA AUTONOMOUS PROVINCE—SAFFLORITE

Brown and yellow products from analine and safflorite oxidation. L. K. Iakhtova. Trudy Min. muz. no. 12:156-170 '61.

## TUVA AUTONOMOUS PROVINCE—SMALTITE

Brown and yellow products from analine and safflorite oxidation. L. K. Iakhtova. Trudy Min. muz. no. 12:156-170 '61.

## TUVMASY REGION (BASIKIRIA)—PETROLEUM GEOLOGY

Correlation of the productive Devonian sediments in the Tuymazy field. K. G. Trushina. Nauch.-tekhn. sbor. po dob. nefli no. 8:13-18 '66.

## TWIST DRILLS

Drills with plastic tapered shafts. V. I. Levin, A. F. Shechubakov. Stand. i tech. 30 no. 9:49 S '66.

Increasing the strength of drills. V. V. Bobrovskii. Stan. i inst. 37 no. 12:20-22 D '66.

## TYPHOID FEVER

Case of recurrence of typhoid fever. Sh. G. Shakhbazov. Sov. med. 28 no. 10:63-64 O '66.

Characteristics of the course of typhoid, paratyphoid and other diseases in neuropsychic patients. Trudy Gos. nauch.-issl. inst. psikh. 26:286-304 '61.

Clinical and epidemiological analysis of a water-borne outbreak of typhoid fever. I. B. Otaraev and others. Sb. nauch. trud SOGMI no. 10:36-40 '61.

Clinical aspects of recidivations of typhoid and paratyphoid diseases. N. M. Petarkhanov. Sb. AN Gruz. SSR 27 no. 2:241-245 Ag '61.

Relapsing typhoid fever. A. I. Ukhov. Sov. med. 30 no. 1:161 Ja '67.

## TYPHOID FEVER—MICROBIOLOGY

Colicin formation by typhoid bacteria. S. T. Mnatsakanov. Biol. zhur. Arm. 10 no. 10:105-107 O '66.

Functional state of the liver in typhoid and paratyphoid bacterial carriage. T. N. Golubchikova. Sov. med. 29 no. 10:99-102 O '66.

## TYPHOID FEVER—PREVENTIVE INOCULATION

Reactogenicity and immunological effectiveness of purified Vi-antigen of Salmonella typhi following repeated administration to children 3-7 years of age. Report No. 2. N. A. Chernysheva. Zhur. mikrobiol., epid. i immun. 44 no. 1:48-54 Ja '67.

## TYPHOONS

The ocean is attacking. I. Shelnis. Az. i Afr. seg. 10 no. 1:6-7 Ja '67.

## TYPHUS FEVER

Some regularities of the course of typhus fever infection of the epidemic and endemic types in guinea pigs. V. F. Ignatovich. Zhur. mikrobiol., epid. i immun. 44 no. 1:102-107 Ja '67.

## TYRNAUZ REGION (KABARDINO-BALKAR A. S. S. R.)—LYAITE

Ilavites of Tyrnauz ore zone. A. D. Kalanov, S. V. Iakovleva. Zap. Vses. min. ob-va 95 no. 5:719-722 '66.

## TYRNAUZ REGION (KABARDINO-BALKAR A. S. S. R.)—STOPING (MINING)

Stereophotogrammetric surveying of stopes in Tyrnauz region. B. I. Beilaev, B. I. Buzinov, N. G. Shil'nikovskaya. Izv. vyz. ucheb. zav. i gor. zhur. 8 no. 8:27-31 '65.



## UKRAINE—ELECTIONS

Relating on the initiative of the masses V. Nizhnik, *Izvestiya* 34 no. 1-6 1967

## UKRAINE—ELECTRIC POWER PLANTS

Techniques of the use of excess pressure and physical test of blast furnace gas in metallurgical plants of the Ukrainian S.S.R. L. I. Galmovskii, I. V. Koval', V. A. Matveev, *Energiya*, Kiev, no. 6:50-52 N-D '66

Organization of the construction of thermal electric power plants according to the continuous operation method, S. A. Podzhirants *Energiya*, Kiev, no. 7:3-12 '66

## UKRAINE—ELECTRIFICATION

Czeredko, M. S. [Significance of electrification in the creation of a material and technical foundation for communism, an economic outline based on the agriculture of the Ukrainian S.S.R.] *Znachennia elektifikatsii v stvorenni material'no-tekhnicheskoi bazy komunizmu, politikoekonomichnyi naizy, na materialakh sil'skoho hospodarstva URSR*. [Kyiv], Vyd-vo Kyivs'koho univ., 1964, 250 p. (NcD)

## UKRAINE—FARM BUILDINGS

Precast reinforced concrete in rural construction in the Ukrainian S.S.R. V. V. Zakharichuk *Bet. i zhel.* Kiev, no. 12:535-540 D '61

## UKRAINE—FISHERIES

Importance of gribes to the Ukrainian fisheries, L. O. Smogorzheva'kyi, *Nauk. zap. Kyiv. un.* 18 no. 1:55-91 '59

## UKRAINE—FOREST ECOLOGY

Practices in using poplar as associated species in growing coniferous plantations in the Ukraine. G. I. Red'ko, *Izv. v. s. ucheb. zav., les. zhur.* 9 no. 6:38-40 '66

## UKRAINE—FROGS

Ecology and economic significance of the edible frog (*Rana lessonae* L.) in the Ukraine. I. I. Pashchenko *Nauk. zap. Kyiv. un.* 18 no. 1:83-117 '59

## UKRAINE—FUNGI

Quantity of microscopical fungi in the rumen of cattle in winter and in summer V. S. Silvers *Mikrobiol. zhur.* 24 no. 5:51-59 '62

## UKRAINE—FURNITURE—EXHIBITIONS

Triumphal Exhibition-Fair of Furniture for 1966, K. M. Ikonchuk, A. M. Pirogov's'kyi *Iz. hosp., lis., pap. i dek. prom.* no. 1:31-37 Jan-F '67

## UKRAINE—GAS, NATURAL—GEOLOGY

Basic problems of developing prospecting for oil and gas in Ukrainian S.S.R. B. S. Vochkov, *Neft i gaz. prom.* no. 6:4-7 N-D '66

Efficiency of prospecting for oil and gas in Ukrainian S.S.R. V. M. Zavyalov and others. *Neft i gaz. prom.* no. 6:8-11 N-D '66

Search Prospecting during seven-year plan in Ukrainian S.S.R. L. A. Petrov, *Neft i gaz. prom.* no. 6:1-4 N-D '66

## UKRAINE—GENETICS

Ukrainian conference on present state and future development of genetics and genetic foundations of selection (Kiev), V. P. Zaslomovich, *Genetika* no. 12:122-124 '66

## UKRAINE—GEOLOGY—BIBLIOGRAPHY

Author index of literature on the geology of the Ukraine, 1958 V. M. Daliyova, *Geol. zhur.* 21 no. 1:90-94 '61

## UKRAINE—GEOLOGY, STRATIGRAPHIC

New data on Middle Miocene sediments in central part of Moldavia and adjacent regions of Ukraine. V. Kh. Reshka, C. Z. Mitsul, *Izv. AN Mold. SSR* no. 8:34-40 '65

## UKRAINE—GEOLOGY, STRUCTURAL

Diagram of fault tectonics of the Ukraine, I. I. Chebanenko, *Dokl. AN SSSR* 167 no. 2:406-408 Mar '66

Geological nature of regional gravity gradients in the Ukrainian crystalline shield V. M. Bielinov, K. F. Tiapkin, V. D. Khaytunov, *Dop. AN URSR* no. 12:1561-1584 '66

Studying the rate of propagation of elastic waves in granites of Ukrainian shield (under isostatic pressure of up to 1500 bar). D. V. Koinets, *Geofiz. zhur.* no. 17:22-33 '66

## UKRAINE—GRAIN TRADE—EMPLOYEES

Awarded a high honor, V. Igoreva, *Zakup. sel'khoz. prod.* no. 6:17-50 Ag '66

## UKRAINE—GRANITE

Petrological characteristics of granitoids of Ukraine, V. M. Sydorov, *Dop. AN URSR* no. 10:1320-1333 '66

## UKRAINE—GUIDE BOOKS

[Guidebook for motoring tourists in the Ukraine] *Putevoditel' avtoturista po Ukraine*, Kiev, Budivelnik, 1967, 187 p.

## UKRAINE—GULLS

Agricultural significance of gulls (Larinae), O. B. Kis-tiakiv's'kyi, *Nauk. zap. Kyiv. un.* 18 no. 1:69-73 '59

## UKRAINE—HISTORY

Artushenko, Yu. I. [Events and people I saw and met on my road of the struggle for national independence, 1917-1966] *Podil i hudy na moiemu shliakhu borot'by za dorzhavu, 1917-1966*, [Chicago] 1966, 221 p. (Nu)

## UKRAINE—INDUSTRIAL SAFETY

In the Technical and Economic Council of the Ministry of Construction of the Ukrainian S.S.R. *Prom. stroit. i inzh. nauch.* 8 no. 6:41 N-D '66

## UKRAINE—INLAND WATER TRANSPORTATION

Multipurpose use of water resources and new waterways (conclusion), Z. Shashkov, *Rech. transp.* 20 no. 7:39-10 J1 '61

## UKRAINE—IOZITE

Ioizite from arenaceous Tertiary sediments of Ukraine, I. O. Polkanov, *Dop. AN URSR* no. 10:1343-1344 '66

## UKRAINE—KAOLIN

High-density refractories for blast furnace shafts on a Novosibirsk kaolin base S. A. Zhukharevich and others *Gornoprom.* 31 no. 12:1-6 D '66

## UKRAINE—LANDFORMS

Basic types and forms of relief in the Ukrainian and Moldavian S.S.R. V. G. Bondarchuk and others, *Geol. zhur.* 10 no. 6:25-36 '59

## UKRAINE—LUMBERING

Improvement cuttings and logging slash as a possibility of expanding lumber supply. I. I. Tupyshin, *Les. bum. i dek. prom.* no. 3:45-163 '66

## UKRAINE—MARIUPOLITES

Genesis and structural characteristics of mariupolites S. A. Rudenko *Zap. LGI* 43 no. 2:3-25 '62

## UKRAINE—METALWORKING MACHINERY—MAINTENANCE AND REPAIR

Conditions of the repairing of metalworking equipment in the enterprises of the Ukrainian S.S.R. A. V. Gint'skii, *Tekhn. i org. prom.* no. 8:1-3 N-D '66

## UKRAINE—MICA

Studying polytypism of triclinic mica in Ukraine, V. I. Pavlishin, *Min. shor.* 20 no. 1:27-35 '66

## UKRAINE—MILK—ANALYSES AND EXAMINATION

"Quality Day," P. Danilevskii, V. Maseliuk, *Zakup. sel'khoz. prod.* no. 1:22-23 N '66

## UKRAINE—MINERALOGY

Changes in physical properties of mariupolite minerals of Otkryt'kyy Massif during weathering, O. O. Shumakov, *Dop. AN URSR* no. 10:1341-1347 '66

## UKRAINE—NONFERROUS METALS—CONGRESSES

Session of Science Council on problem of physics and chemistry of metallurgical processes in producing colored and rare metals, A. M. Lepsha *Dop. AN URSR* no. 10:1370-1371 '66

## UKRAINE—OIL WELL DRILLING

Economic estimation of use of turbine and rotary drilling in the Ukrainian S.S.R. M. I. Baranovskii, V. N. Penchenko, *Neft i gaz. prom.* no. 5:27-29 S-O '66

## UKRAINE—ORTHOPEDIC SOCIETIES

Activities of the Republic Society of Traumatologists-Orthopedists of the Ukraine during 7 years (1959-1965), N. P. Novarchenko, G. M. Sokol, *Ortop., travm. i protet.* 27 no. 12:71-73 D '66

## UKRAINE—OTOLARYNGOLOGICAL SOCIETIES

Annual report of the Ukrainian Otolaryngological Society for 1966 A. I. Kulomilchenko, I. A. Ishan *Zhur. uzh.*, nos. i gorl. bol. 10 no. 4:91-95 J1-Ag '66

## UKRAINE—OTOLARYNGOLOGICAL SOCIETIES—CONGRESSES

Minutes of the joint meeting of the Kiev branches of the Ukrainian Republican Otolaryngological and Pediatric Societies of April 17, 1966, E. N. Khokhol, V. A. Gukovich, *Zhur. uzh.*, nos. i gorl. bol. 19 no. 6:91-94 N-D '59

## UKRAINE—OTOLARYNGOLOGY

Development of otolaryngology and the organization of laryngologic services in the western Ukraine during the years of communist rule, S. V. Mikhailovskii, I. A. Shapiro, *Zhur. uzh.*, nos. i gorl. bol. 10 no. 4:71-74 J1-Ag '59

## UKRAINE—OTTERS

Otters in the Ukraine, their ecology and methods for their rational utilization, O. P. Kornietev, *Nauk. zap. Kyiv. un.* 18 no. 1:5-53 '59

## UKRAINE—PEDIATRIC SOCIETIES—CONGRESSES

Minutes of the joint meeting of the Kiev branches of the Ukrainian Republican Otolaryngological and Pediatric Societies of April 17, 1966, E. N. Khokhol, V. A. Gukovich, *Zhur. uzh.*, nos. i gorl. bol. 19 no. 6:91-94 N-D '59

## UKRAINE—PETROLEUM GEOLOGY

Basic problems of developing prospecting for oil and gas in Ukrainian S.S.R. B. S. Vochkov, *Neft i gaz. prom.* no. 6:1-7 N-D '66

Efficiency of prospecting for oil and gas in Ukrainian S.S.R. V. M. Zavyalov and others. *Neft i gaz. prom.* no. 6:8-11 N-D '66

Search Prospecting during seven-year plan in Ukrainian S.S.R. L. A. Petrov, *Neft i gaz. prom.* no. 6:1-1 N-D '66

## UKRAINE—PETROLEUM PRODUCTION

Potential of profit growth in petroleum production industry of Ukrainian S.S.R. T. S. Mikhal'chik *Neft i gaz. prom.* no. 6:32-35 N-D '66

## UKRAINE—PHARMACISTS

Personnel and the preservation of socialist power, L. H. Shumakov *Farmats. zhur.* 18 no. 3:81-84 '63

## UKRAINE—PHARMACY

Brief news and information, *Farmats. zhur.* 18 no. 3:93-95 '63

Development of pharmacy in the Ukraine, Report No. 2, I. M. Huh's'kyi *Farmats. zhur.* 17 no. 2:61-65 '62

## UKRAINE—PHARMACY—CONGRESSES

Appeal of the delegates of the First Congress of Ukrainian Pharmacists to the workers of the pharmaceutical science and practice *Farmats. zhur.* 18 no. 7:7-10 '63

Decisions of the First Congress of Pharmacists of the Ukrainian S.S.R. *Farmats. zhur.* 18 no. 3:3-6 '63

## UKRAINE—PLACER DEPOSITS

Crystallochemistry and physical properties of diamond placers in Ukraine, I. U. Ukh, I. I. Kashkatov, I. A. Polkanov *Min. shor.* 20 no. 4:190-197 '66

## UKRAINE—POLITICS AND GOVERNMENT

Petlura, Symon. [The Moscow house; uncle Semen's story describing how Moscow lice devour the Ukraine and what we should do with them] *Moskova's'ka vosh; opovidannya diad'ka Semena pro te, yak moskova'ki voshi klat' Ukrainu ta shcho z nymy treba rolyty*. Paris, Biblioteka im. S. Petlury i Natsionalistychne vyd-vo v Evropi, 1966, 100 p.

## UKRAINE—POPULATION—CONGRESSES

Conference on the problems of the population in the Ukraine, A. I. Vasiutskii no. 1:78-79 '67

Discussion of the problems of the population of the Ukraine, G. Kleven, *Nauk. dokl. vys. shkoly, ekon. nauk.* 10 no. 1:88-90 '67

## UKRAINE—PRINTING INDUSTRY—FINANCE

Economic effectiveness of capital investments in the Ukrainian printing industry, F. S. Savitskii *Pohigr. protzv.* no. 1:5-7 J1 '63

## UKRAINE—REFORESTATION

Effect of deer on reforestation, D. V. Vladysheva'kyi *Iz. hosp., lis., pap. i dek. prom.* no. 1:20-22 Jan-F '67

## UKRAINE—RELIGION

Hrushevskyi, Mykhailo, *Z istorii religijnol dumky na Ukraini*, From the history of religious thought in Ukraine, 2, udoskonalene vyd., Winnipeg, Ukrainian Evangelical Alliance of North America, 1962, 160 p. (CU)

Ilaiton, Metropolitan of Winnipeg and all Canada. [Pro-Christian beliefs of the Ukrainian people; a monograph on the history of religion] *Doktrynats'ki vstavannia ukrains'koho narodu; istorychno-religijna monografiia*, Winnipeg, Nakladom Vydavnychoi Komisii pry Tovarystvi "Volyn", 1965, 424 p. (Volynians, no. 14) (OCU)

## UKRAINE—RESEARCH

Organization of scientific research work and preparation of personnel by the institutes of the Academy of Sciences of the Ukrainian S.S.R. together with institutions of higher learning of the Ukrainian S.S.R. *Dop. AN URSR* no. 7:971-972 '62

## UKRAINE—REVOLUTION, 1917-1921

Astakhova, V. I. [Artem's revolutionary work in 1917 and 1918] *Revolutsionna deiatel'nost' Artema v 1917-1918 godakh*, Khar'kov, Izd-vo Khar'kovskogo univ., 1966, 176 p.

Balkoviy, P. M. [A flankless war; the insurrectional and guerrilla struggle of the Ukrainian people against the White Guards and foreign interventionists in 1918-1920] *Vina bez flanzhy, partyzans'ko-porats'kane borot'ba ukrains'koho narodu proly bibliyaditsiv ta interventiv u 1918-1920 rr.* Kyiv, Naukova dumka, 1966, 300 p.

Petlura, Symon. [The Moscow house; uncle Semen's story describing how Moscow lice devour the Ukraine and what we should do with them] *Moskova's'ka vosh; opovidannya diad'ka Semena pro te, yak moskova'ki voshi klat' Ukrainu ta shcho z nymy treba rolyty*. Paris, Biblioteka im. S. Petlury i Natsionalistychne vyd-vo v Evropi, 1966, 100 p.

Suprunenko, M. I. [Sketches of the civil war and foreign intervention in the Ukraine, 1918-1920] *Ochorky grazhdanskoi voyny i inostrannoi interventii na Ukrainu, 1918-1920*, Moskva, Nauka, 1968, 454 p. (InU)

## UKRAINE—REVOLUTION, 1917-1921—PERSONAL NARRATIVES

Aitushenko, Iurii. [Events and people I saw and met on my road of the struggle for national independence, 1917-1966] *Podia i liudy na moiemu shliakhu boi'by za derzhavu, 1917-1966*. [Chicago] 1966. 221 p. (InU)

## UKRAINE—RHIZOSPHERE MICROBIOLOGY

Distribution of fungi of the genus *Aspergillus* in the soil of the corn rhizosphere in ten steppe and forest steppe provinces of the Ukrainian S.S.R. M. M. Pidolichko, V. S. Moskovets, N. M. Zhdanova. *Mikrobiol. zhur.* 24 no. 5:3-8 '62

Effect of actinomycetes on some bacteria of the wheat rhizosphere. Report No. 2. K. I. Andriuk, O. V. Vladymirova, I. A. Kostova. *Mikrobiol. zhur.* 1 no. 5:8-15 '62

## UKRAINE—RUNOFF

Study of causes of decreasing of annual streamflow in southern part of Ukraine, 1948-1962. P. F. Vlahovskii, I. G. Rubtsov. *Sov. rab. po gidrol.* no. 6:3-11 '66

## UKRAINE—SCIENTIFIC APPARATUS AND INSTRUMENTS

Publication of collective information work "New apparatus for scientific research developed by institutes of the Academy of Sciences of Ukrainian S.S.R." *Dop. AN URSR* no. 12:1620-1621 '66

## UKRAINE—SHREWS

Ecology of the shrew *Sorex araneus* L. in the Ukraine. V. O. Mezhechek. *Nauk. zap. Kyiv. univ.* 18 no. 1:99-60 '59

## UKRAINE—SLAVIC STUDIES

The Seventh Conference of Ukrainian Slavists. T. M. Beletskii and others. *Sov. slav.* no. 1:113-116 '67

## UKRAINE—SOIL FAUNA

Analysis of soil insects of the Tiostryanets Arboretum and Mukhays'kyya virgin lands. N. I. Nestrenko. *Nauk. zap. Kyiv. univ.* 18 no. 1:137-112 '59

## UKRAINE—SOIL MOISTURE

Soil moisture in grain-beet crop rotation. I. G. Zakharchenko. *Pochvovedenie* no. 3:34-41. My '60.

## UKRAINE—SORGHUM—DISEASES AND PESTS

Bacterial streak of sorghum and Sudan grass in the Ukraine. L. T. Pastushenko. *Mikrobiol. zhur.* 24 no. 5:65-69 '62.

## UKRAINE—STATISTICS

[The Ukrainian S.S.R. in figures for 1965; a brief statistical abstract] *Ukrains'ka RSR v tsyfrakh v 1965 rotsi, korotkyi statystychnyi dovidnyk*. Kyiv, Statystyka, 1966. 213 p.

## UKRAINE—STEREOCHEMISTRY—CONGRESSES

Second Ukrainian Conference on Atom Arrangement and Its Effect on Alloy Properties. H. T. Pashkova. *Dop. AN URSR* no. 10:1369-1370 '66

## UKRAINE—SUDAN GRASS—DISEASES AND PESTS

Bacterial streak of sorghum and Sudan grass in the Ukraine. L. T. Pastushenko. *Mikrobiol. zhur.* 24 no. 5:65-69 '62.

## UKRAINE—SUNFLOWERS—DISEASES AND PESTS

Role of the methods of cultivation practices in ridding sunflowers of *Sclerotinia libertiana*. A. I. Lukashchuk. *Trudy KHISKHI* 66:122-129 '66

## UKRAINE—THEATER

Bilets'ka, L. K. [Soviet Ukrainian theater today] *Ukrains'kyi radians'kyi teatr s'ohodni*. Kyiv, Znannya, 1965. 39 p. (CaOTU)

## UKRAINE—TIMBER

Studying the output of sawn timber from beech logs. K. S. Khudim, I. M. Ben'ko, M. I. Gerbel. *Les. bum. i der. prom.* no. 3:81-85 '66.

## UKRAINE—TIRES, RUBBER—RETRADING AND RECAPPING

Development of tire repair units in the Ukraine. I. A. Motin. *Tekhn. i org. proizv.* no. 6:102-104 N-D '66.

## UKRAINE—TRADE UNIONS

Klimenko, V. K. [On a businesslike approach in trade-union work] *O delovosti v profsoznom rabote*. [Moskva] Profizdat, 1966. 60 p. (Bibliotekha profsozhnogo aktivista, no. 33(153))

## UKRAINE—TRAUMATISM

Activities of the Republic Society of Traumatologists-Orthopedists of the Ukraine during 7 years (1959-1965). N. P. Novachenko, G. M. Skol, Ortop., travm. i proiez. 27 no. 12:71-73 D '66.

## UKRAINE—VERTEBRATES, FOSSIL

Tophonomic characteristics of Nizhneye Krivche spelean deposit of fossil vertebrates. H. O. Bachinskyy, K. A. Tatarynov. *Dop. AN URSR* no. 10:1348-1361 '66.

## UKRAINE—WHEAT—IRRIGATION

Quality of grain under irrigation. V. Semiviv, V. Ivanov. *Zemledelie* 20 no. 1:37-39 Ja '67

## UKRAINE—WOOD-USING INDUSTRIES

Striving the 1967 anniversary year. I. V. Romanov. *Ist. hosp. iis.* i pap. i det. prom. no. 11-1 Ja-T '67

## UKRAINE—WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Plhido-Pravobozhnyi, I. [The Great Patriotic War] *Velykyi vitchyznnyi voina*. Winnipeg, Vyd. Novoho shliakhu, 1964. 229 p. (Poltychno-vyzvolna bitvatoka, no. 2(6))

## UKRAINE—XANTHOMONAS

Bacterial streak of sorghum and Sudan grass in the Ukraine. L. T. Pastushenko. *Mikrobiol. zhur.* 21 no. 5:65-69 '62

## UKRAINE—ZOOLOGICAL MUSEUMS

Zoological Museum of the Kiev State University, on the 40th anniversary of the Great October. O. P. Konietshev. *Nauk. zap. Kyiv. univ.* 18 no. 1:5-7 '59

## UKRAINE, WESTERN—FORAMINIFERA, FOSSIL

New finds of Foraminifera in Upper Devonian sediments in the western part of the Ukraine. O. R. Konopina, V. P. Kravchenko. *Geol. zhur.* 19 no. 6:99-101 '63.

## UKRAINE, WESTERN—HISTORY

Ripets'kyy, Stepan. [Ukrainian-Polish case before the court of world public opinion] *Ukrains'ko-pol'skyi protses 1918-1923 poroz. vytkovym trybunalom*. New York, Ukr. publitsystychno-nauk. kn. i, 1963. 38 p. (InU)

## UKRAINE, WESTERN—IRON ORES

Type of iron and non-manganese mineralization in the western provinces of the Ukrainian S.S.R. V. F. Icomak. *Geol. zhur.* 21 no. 1:25-34 '61

## UKRAINIAN ART see Art, Ukrainian

## UKRAINIAN LANGUAGE

Zhovtobriukh, M. A. [A course in the present-day Ukrainian literary language] *Kurs suchanoi ukrains'koi literaturnoi mowy*. Vyd. 3. Kyiv, Radlans'ka shkola, 1965. (NuU)

## UKRAINIAN LANGUAGE—AFFIXES

Verbs with the secondary prefix "po-" in the Old Ukrainian language from the 16th to the 18th century. L. I. Roizenzon. *Trudy UzGU* 95:121-135 '59

## UKRAINIAN LANGUAGE—DIALECTS

Dezsa, László. [Sketches on the history of the Transcarpathian dialects] *Ocherki po istorii zakarpatskikh govoro*. Budapest, Akadémiai Kiadó, 1967. 305 p. maps (Insert)

## UKRAINIAN LANGUAGE—LEXICOGRAPHY

Composition of the glossary and criteria of the selection of words in the Dictionary of the Ukrainian language, based on material of the 1st volume. A. A. Burmakh. *Leksykol. ta leksykogr.* no. 2:106-113 '66.

The grammar in the Dictionary of the Old Ukrainian language of the 14th-15th centuries. U. I. Edilina'ka. *Leksykol. ta leksykogr.* no. 2:134-143 '66.

Lexicographic treatment of verbs of momentaneous meaning. I. S. Nazarova. *Leksykol. ta leksykogr.* no. 2:123-133 '66.

Phraseological word combinations in the Dictionary of the Old Ukrainian language of the 14th-15th centuries. V. L. Karpova. *Leksykol. ta leksykogr.* no. 2:141-152 '66. So-called distorted words in the Dictionary of the Old Ukrainian language of the 14th-15th centuries ("ventsova (t)"). L. L. Humets'ka. *Leksykol. ta leksykogr.* no. 2:153-158 '66

Types of interpretations of verbs with the prefix "do-" in the Dictionary of the Ukrainian language. I. A. Iurchuk. *Leksykol. ta leksykogr.* no. 2:114-122 '66.

## UKRAINIAN LANGUAGE—PARTICIPLE

Some characteristics of the functioning of passive participles in "-nyl (-yli)" in modern Ukrainian. H. M. Hnatuk. *Leksykol. ta leksykogr.* no. 2:26-32 '66.

## UKRAINIAN LANGUAGE—VERB

Synonymous verbs in "-ty" and "-tyla" in Ukrainian. L. A. Korobchyn's'ka. *Leksykol. ta leksykogr.* no. 2:13-25 '66.

Verbs with the secondary prefix "po-" in the Old Ukrainian language from the 16th to the 18th century. L. I. Roizenzon. *Trudy UzGU* 95:121-135 '59

## UKRAINIAN LANGUAGE—WORD FORMATION

Derivational variants of names of inhabitants in Russian and Ukrainian. V. O. Horpynych. *Leksykol. ta leksykogr.* no. 2:33-41 '66.

## UKRAINIAN LANGUAGE—WORDS

Changes in the lexical system of the Ukrainian language during the years of the seven-year plan. A. A. Moskalenko. *Leksykol. ta leksykogr.* no. 2:13-12 '66.

Variant pairs of names of persons according to their occupation in modern Ukrainian. L. O. Rodina. *Leksykol. ta leksykogr.* no. 2:42-52 '66.

Vocabulary of temporal concepts in Ukrainian. M. P. Kochubian. *Leksykol. ta leksykogr.* no. 2:53-61 '66.

## UKRAINIAN LITERATURE—PERIODICALS

"Radians'ke literaturoznavstvo" No. 1 1961. Vop. 1st 5 no. 9:216-237 S '61.

## UKRAINIANS see subdivision under Canada

## UKRAINKA, LESTIA, 1871-1913—TRANSLATIONS, ENGLISH

The rendering of Ukrainian folkloric elements in the English translation of Lestia Ukrainka's "Poem of Song." V. P. Derzhyn's'kyi. *Nov. filol.* no. 6:28-35 '60

## ULAN-UDE—MEAT INDUSTRY

We must raise the efficiency of production. K. Burakov. *Part. zhurn.* no. 2:26-31 Ja '67.

## ULAN-UDE—VOCATIONAL EDUCATION

The Ulan-Ude cooperative vocational school. T. Zabolotnitskiy. *Sied. spets. obr.* 13 no. 7:54-55 Ji '66

## UL'DZHAY, LAKE (OMSK PROVINCE)—EARTHQUAKES, MEDICAL AND SURGICAL USES OF

Effect of applications of mud from Lake Ul'dzhay (Krasnoyarsk Province) on the content of potassium in the heart of white rats. O. A. Serzhentukhov. *Vop. kn. i fiziol. i lek. sr. kn. i*. 31 no. 6:537-538 '66.

## UL'IANOV, ALEKSANDR IL'ICH, 1866-1907

Life like a torch. *Mol. komm.* no. 1:40-53 '66.

## UL'IANOV FAMILY

[Lenin and the Ul'ianov family in Podols'k] *Lenin i Ul'ianovy v Podols'ke*. [Moskva, Mosk. izdachi, 1967] 247 p.

## ULTRADASITE see subdivision under Dzhuzalsky Valley; Sayan Mountains, Siberia

## ULTRASONIC TESTING

Application of ultrasonic flaw detection to investigate the inclusion content of laminated steel ingots. V. F. Guban' and others. *Defektoskopiya* 2 no. 5:135-10 '66.

Determination of ABO system antigens in hair. Report No. 2. Detection of ABO system antigens following effect of ultrasonic irradiation. N. N. Acherkan. *Sud. i med. ekspert.* 9 no. 1:30-35 O-D '66.

Effect of the electric lead on frequency characteristics of an ultrasonic flaw detector. A. S. Gotsulyov, V. F. Ivanov, V. I. Safonov. *Defektoskopiya* 2 no. 5:40-18 '66.

Effect of the surface roughness of an object on sensitivity of ultrasonic testing by immersion methods. A. F. Mel'nikovich, S. K. Pavlov. *Defektoskopiya* 2 no. 5:23-31 '66.

Mechanical stabilization of contact between an ultrasonic transducer and the object being checked. H. V. Krasilnik. *Defektoskopiya* 2 no. 6:16-20 '66.

Portable ultrasonic pulse thickness measuring device operating on semiconductor. H. A. Nechayev, L. I. Chumolov. *Defektoskopiya* 2 no. 6:10-15 '66.

"Sensitivity" and "angle of wave entry" in ultrasonic flaw detection. A. K. Gurvich. *Defektoskopiya* 2 no. 6:21-22 '66.

Theoretical study of basic relations of the electroacoustic circuit of a resonance thickness measuring device. V. S. Grebennik, I. N. Chumolov. *Defektoskopiya* 2 no. 5:12-25 '66.

Theory of an acoustically resonant multilayer piezoelectric transducer. L. G. Markulov, L. M. Iablonik. *Defektoskopiya* 2 no. 5:13-11 '66.

Using ultrasonic and radio wave measuring methods in mining. A. A. Ivanov and others. *Izv. vuz. ucheb. zav. i gos. zhur.* 8 no. 10:138-142 '65.

## ULTRASONIC TESTING—EQUIPMENT AND SUPPLIES

Determining properties of piezoceramic plates used in flaw detectors. L. A. Iakovlev. *Defektoskopiya* 2 no. 5:32-35 '66.

Directionality diagrams of inclined detectors. A. K. Gurvich. *Defektoskopiya* 2 no. 6:4-9 '66.

## ULTRASONIC WAVES

Theory of transfer phenomena connected with electron drag by ultrasonic waves in solids. H. V. Galilayev. *Fiz. tver. tela* 8 no. 11:3360-3372 N '66

Theory of ultrasonic oscillators in a general physics course. B. I. Kal'ianov. *Izv. vuz. ucheb. zav. i fiz.* 9 no. 6:163-164 '66.

## ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

Continuous processing of grape juice with ultrasonic waves. G. N. Gasiuk, I. P. Dul'neva. *Kons. i ov. prom.* 21 no. 12:5-7 D '66.

Study of the hardening of concrete in an autoclave by the ultrasonic pulse method. A. F. Shchurov, O. N. Sukhov. *Stroitel. mat.* 7 no. 11:36-38 N '61.

Ultrasonic conveyor unit for the cleaning of trolleys and gambrels. H. U. Zalas and others. *Mias. ind. SSSR* 36 no. 1:8-12 Ja '67.

## ULTRASONIC WAVES—INDUSTRIAL APPLICATIONS

(Continued)

Using ultrasonic techniques in artistic treatment of ornamental stones. I. Tet-Avatiev, P. Suvailan, V. (Bukobich), Prom. Arh., 9 no. 11 55-58 '66

Using ultrasonic waves in grinding magnetic alloys, S. G. Rod'ko, G. A. Kozlov, Stroi. i mash. 38 no. 1 30-31 '67

## ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT

Effect of ultrasonic oscillations on Mycobacterium tuberculosis, V. S. Zolotov, Vost. sel'khoz. nauki [Kazakh.] 10 no. 1:17-20 Ja '67

## ULTRASONIC WAVES—SCATTERING

Ultrasonic wave scattering in monodisperse graphite (experiments), L. G. Mityailov, I. S. Kol'tsova, A. K. Ivartskan, Vost. i G. U. 21 no. 22 55-61 '66

## ULTRASONIC WAVES—THERAPEUTIC USE

Effect of ultrasonic waves on ulcer patients, M. K. Sviridov, Vop. kur., fizioter. i lech. fiz. kul't. 27 no. 6 59-60 N-D '62

Ultrasonic dosage in physiotherapy, E. S. Padalka, Vop. kur., fizioter. i lech. fiz. kul't. 31 no. 6:501-502 '68

Ultrasonic treatment of lumbosacral radiculitis, V. A. Vlasova, A. G. Mamonov, A. E. Pevnaya, Tudy Tink. nach. i sel. med. i klin., kur. i fiz. metod. lech. 5-3-41 '65

Use of ultrasound in the treatment of inflammatory diseases of female generative organs, F. O. Aniskova, S. A. Zhuravina, Sov. med. 29 no. 10 50-52 O '66

## ULTRAVIOLET RAYS

Effect of stabilizing action of some sulfur- and nitrogen-containing compounds during ultraviolet radiation of polymers, N. N. Pavlov and others, Plast. massy no. 1, 55-58 '67

Ultraviolet radiation at various heights in cloudless aerosol atmosphere, V. A. Belinkii, B. A. Semenchko Tudy GGO no. 10:13-21 '66

## ULTRAVIOLET RAYS—EFFECT ON PLANTS

Plants, Effect of ultraviolet rays on

## ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT

Effect of ultraviolet irradiation on nitrogen-fixing capacity of Azotobacter, T. H. Zimenko, N. M. Harpak, M. K. Kovalev, Vost. i G. U. 21 no. 22 55-61 '66

Effect of ultraviolet radiation using the PRK-7 lamp on the growth and physiological state of enzymes, R. Dzidatska, Dokl. TSKHA no. 45:163-167 '65

Ultraviolet radiation of young pigs until the age of 4 months with the purpose of stimulating their growth and increasing their resistance to diseases, A. V. Ozerov, I. A. Puchkov, G. F. Sukhurov, Dokl. TSKHA no. 54:131-136 '59

## UL'YANOVKA REGION (UKRAINE)—JOINTS (GEOLOGY)

Fossil decaconation faunas in Tishane conglomerates, M. M. Kotlov, Geol. zhur. 21 no. 2:108-109 '61

## UL'YANOVSK—AUTOMOBILE INDUSTRY—MANAGEMENT

Mechanized storeroom for storing parts and dies at the Ul'yanovsk Automobile Plant, A. N. Andreev, V. N. Talovarov, Avt. prom. 32 no. 12:1-3 D '66

## UL'YANOVSK—CITY PLANNING

Ul'yanovsk, 1970: hundredth anniversary of birth of V. I. Lenin, Stroi. i Arkh., 15 no. 1:2 of cover Ja '67

## UL'YANOVSK—CONSTRUCTION INDUSTRY

Pressing needs of Ul'yanovsk builders, G. Pen'kovskii, M. Gochurenko, Na stroi. Ros. 7 no. 12:10-10 D '66

## UL'YANOVSK—CONSTRUCTION INDUSTRY—MANAGEMENT

Pressing problems of mechanization, V. Prokofiev, Na stroi. Ros. 7 no. 12:10-20 D '66

## UL'YANOVSK—DESCRIPTION

Following the example of V. I. Lenin's life and work, V. Sviridov, Par. i zhizn' no. 3:47-51 F '67

## UL'YANOVSK—HISTORIC HOUSES, ETC.

What should Ul'yanovsk be like? I. Rolin, Okladn' 43 no. 12:129-132 D '66

## UL'YANOVSK PROVINCE—EDUCATION

Gagarin, S. P. [The work of the Ul'yanovsk Province party organization in strengthening the ties of schools with life, 1959-1963] Dostoi'nost' Ul'yanovskoi obshchestvenno-partinnoi organizatsii po ukreplenii svyazi shkoly s zhizn'iu, 1959-1963 gg. [Sarator] Privolzhskoe knizhnoe izd-vo, 1964. 35 p. (CS-11)

## UMAN'—DROSOPHILA—GENETIC RESEARCH

Distribution and allelism of autosomal lethals in two reproduction foci of Drosophila melanogaster population in Uman' (Ukrainian S. S. R.), M. D. Golubovskii, Genetika no. 11:89-90 '66

## UMAN' REGION—WATER, UNDERGROUND

Increasing the reserves of underground waters by means of artificial constructions, I. T. Hrudynska, Geol. zhur. 21 no. 1:82-83 '61

## UNDERDEVELOPED AREAS

The Great October and present-day national liberation revolution, V. Tiagunenko, Mir, ekon. i mezhdunar. otn. no. 1:3-18 '67

## UNDERDEVELOPED AREAS—COMMERCE—RUSSIA

The U. S. S. R. and the developing countries, M. Pankin, Vnesh. toig. 45 no. 11:10-14 '66

## UNDERDEVELOPED AREAS—CONGRESSES

Modern epoch and problems of the developing countries, materials of student conference in Moscow University, Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 1:54-56 '67

## UNDERDEVELOPED AREAS—ECONOMIC ASSISTANCE, CANADIAN

Canada and the Afro-Asian world, G. Volkova, Az. i Afr. ssg., 10 no. 1:23-25 Ja '67

## UNDERDEVELOPED AREAS—FOOD RELIEF, AMERICAN

Neocolonialism behind the "Food for peace" signboard, M. Petrov, Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 1:40-53 '67

## UNDERDEVELOPED AREAS—FOREIGN ECONOMIC RELATIONS—EUROPE, EASTERN

Semin, N. S. [The Common countries and the developing countries of Asia and Africa] Strany SEV i razvivaiushchiesia strany Azii i Afriki, Moskva, Znanie, 1967. 46 p. (Novoe v zhizni, nauke, tekhnike, III Seriya Ekonomika, no. 3)

## UNDERDEVELOPED AREAS—FULL EMPLOYMENT POLICIES

Problem of full employment and the strategy of economic growth in the conditions of developing countries, M. Pavlovskiy, Ekon. i nat. metod. 3 no. 1:61-65 Ja '67

## UNDERGROUND STRUCTURES

Building underground storehouse in Kysreil, G. A. Dykhak, G. K. Tsiminilla, Transp. stroi. 16 no. 4:16-17 Ap '66

Economic efficiency of flow diagrams of underground petroleum products reservoirs in salt formations, P. M. Sviridov, G. Sh. Kudachinov, Transp. i khran. nefii i nefteprod. no. 11:32-35 '66

Exploitation of underground reservoirs of petroleum products, build in salt deposits, I. U. G. Isupov, N. N. Khariyev, V. A. Abakumov, Neft. khoz. 44 no. 10:51-64 O '66

Methods for modeling processes in electrical networks by means of automatic computers, S. M. Rozhavskii, B. M. Chlenko, Energ. i elek. no. 6:34-35 N-D '66

Spreading of water jets during leaching out of underground reservoirs, I. U. S. Vasilev, V. I. Chernikin, Transp. i khran. nefii i nefteprod. no. 11:18-23 '66

## UNDERGROUND STRUCTURES—DESIGN AND CONSTRUCTION

Building underground structures using underground explosions, A. S. Dobina, N. A. Evstropov, Transp. stroi. 18 no. 4:47-49 Ap '66

## UNDERGROUND STRUCTURES—WATERPROOFING

Eliminating seepage, A. P. Smirnov and others, Stroi. i arkhit. i en. 26 no. 6:29 Je '66

## UNDERGROUND WATER see Water, Underground

## UNDERWATER ACOUSTICS

Acoustical method of measurement of distances between unevennesses located on ocean bottom, I. U. Zhukovskii, Okeanologiya 6 no. 6:1080-1080 '66

Determining some parameters of unevennesses of ocean bottom by acoustical method, L. A. Volokova, I. U. Zhukovskii, Okeanologiya 6 no. 6:1080-1085 '66

## UNDERWATER BLASTING see Blasting, Underwater

## UNDERWATER CONCRETE CONSTRUCTION—EQUIPMENT AND SUPPLIES

Orshin, G. I. [Advanced technology and specialized machinery and devices for transportation construction used in hydraulic port construction] Progressivnaya tekhnologiya i spetsializirovannyye mashiny i mekhanizmy transportnogo stroitel'stva, primenyaemye v gidrotekhnicheskoy portovom stroitel'stve, Moskva, Mosk. znochniy stroi. in-t, 1965. 66 p. [MICROFILM]

## UNDERWATER EXPLOSIONS

Compacting embankments with underwater explosions, A. P. Kudachinov, Transp. stroi. 16 no. 3:51 Mr '66

## UNDERWATER PIPELINES—VIBRATION

Vibrations of underwater pipelines, P. P. Borodavkin, O. B. Shadrin, Transp. i khran. nefii i nefteprod. no. 11:13-17 '66

## UNDERWEAR

Experimental wear of knit underwear, D. F. Simonenko, Izv. vys. ucheb. zav. i tekhn. leg. prom. no. 6:30-44 '66

## UNEMPLOYED

How unemployment was eliminated in the U. S. S. R., A. S. Sycheva, Vop. ist. 42 no. 1:27-36 Ja '67

## UNION CATALOGS see Catalogs, Union

## UNION OF SOVIET SOCIALIST REPUBLICS see Russia

## UNION REPUBLICS

Andriyeva, T. B. [Constitutional and legal forms of nationalities relations in the U. S. S. R.: a manual for universities of Marxism-Leninism] Gosudarstvenno-pravovye formy natsional'nykh otnoshenii v SSSR, dlia universitetov marksizma-leninizma, Moskva, Mysl', 1958. 81 p. (Osnovy sovetskogo gosudarstvennogo stroitel'stva i prava)

## UNIONDAE

Uniondae from group "Unio" stari Ebranes, their systematics and stratigraphic significance, A. L. Chepalyga, Izv. AN Mold. SSR no. 8:20-27 '65

## UNITED ARAB REPUBLIC—HYDRAULIC TURBINES

Water transportation of the runners of hydraulic turbines for the high Aswan Dam in the United Arab Republic, M. I. Galperin, Energomashinoostroenie 12 no. 11:18-40 N '65

## UNITED NATIONS

New human rights charters, I. Iakovlev, G. Zadorozhnyi, Nov. vrem. 25 no. 9:10-16 F '67

The United Nations facing new problems, V. Shestov, Mezhdunar. zhizn' 14 no. 2:26-33 '67

## UNITED STATES—AGRICULTURAL WORKERS

Hired labor in the agriculture of the U. S. A., V. Zaitsev, Nauch. dokl. vys. shkoly, ekon. nauki 10 no. 1:41-48 '67

## UNITED STATES—AGRICULTURE—ECONOMIC ASPECTS

Development of agrarian relations in the U. S. A. and absolute rent, E. Solterlaskais, Mir, ekon. i mezhdunar. otn. no. 2:84-93 '67

## UNITED STATES—ARMY

Combat group of the United States Army in defense as revealed by foreign military press data, A. Petrov, Vost. i G. U. 21 no. 11:17-121 Je '61

## UNITED STATES—ASTRONAUTICS

The rocket and space "business," G. Evgeniev, Mezhdunar. zhizn' 14 no. 2:82-90 '67

## UNITED STATES—ATOMIC WEAPONS—COSTS

Apologues of "cheap" nuclear war, I. Grishanko, Mir, ekon. i mezhdunar. otn. no. 1:124-126 '67

## UNITED STATES—AUTOMATION—ECONOMIC ASPECTS

Irreversible law of history, I. Peshkin, Nov. mir 38 no. 10:250-262 O '62

## UNITED STATES—BARGES

Individual characteristics of American transport vessels, D. Pokrovskii, Rech. transp. 20 no. 7:55-58 Ji '61

## UNITED STATES—BUDGET

A common denominator, V. I. Zhukov, Mezhdunar. zhizn' 14 no. 2:130-131 '67

## UNITED STATES—COMMUNIST YOUTH

[Girl from the "Dubois Club"] Devushka iz "Kluba Dubua," Moskva, Pravda, 1957. 45 p. (Biblioteka "Komsomol'skoi pravdy," no. 2)

## UNITED STATES—CRIME AND CRIMINALS

Through the pages of the foreign press, Sols. zakon. no. 2:83-94 F '67

Where is the root of evil? V. Lazarov, I. A. Skidarevskii, Sov. profsoyuzy 23 no. 1:41-43 Ja '67

## UNITED STATES—DESCRIPTION AND TRAVEL

On both sides of the ocean (conclusion), Viktor Nekrasov, Nov. mir 38 no. 12:110-152 D '62

Strel'nikov, B. G. [Vladimir, Vasil, and the President] Vasil, Vasil i prezident, [Moskva] Molodaia gvardiya, 1966. 149 p.

## UNITED STATES—ECONOMIC CONDITIONS

The "new economy" of the U. S. A., V. I. Lan, Mir, ekon. i mezhdunar. otn. no. 1:103-111 '67

Sarychev, V. G. [The economic development of the U. S. A. in its present stage, a summary of lectures] Ekonomicheskoe razvitiye SSHA na sovremennoe etape, konpekt lektsii, Kiev, Kievskii in-t nar. khoz., 1965. 55 p. (CS-11)

## UNITED STATES—ECONOMIC RESEARCH

Organization of economic studies in the U. S. A. and Great Britain, V. Glushkov, V. Maslennikov, Mir, ekon. i mezhdunar. otn. no. 2:102-109 '67

## UNITED STATES—EDUCATION

New developments in education: reports from various countries, Nar. obr. no. 2:103-125 F '67

## UNITED STATES—ELECTRIC POWER PRODUCTION

Magnetohydrodynamic method of electric power production, A. P. Saikov, Teploenergetika 7 no. 8:56-87 Ag '66





## URAL MOUNTAINS—VERMICULITE

Using magnetic separation for vermiculite dressing. L. A. Zhuravskiy, V. I. Revnivtsev, A. P. Didenko, Izv. vyzn. nauch. zhurn. 10 no. 1, 163-166 '67.

## URAL MOUNTAINS—ZIRCON

Correlative significance of zircon. M. I. Kuravits, Min. sbor. 20 no. 1, 142-144 '66.

## URANIUM see subdivision under Khlizhizian

## URANIUM—PHYSIOLOGICAL EFFECT

Mechanism of uranium action in a body of water. V. N. Gupkova, I. N. Gutshin, A. I. Ikhonova, Gidrobiol. zhurn. 2 no. 6, 53-57 '66.

## URANIUM FLUORIDE CRYSTALS

It is made a mineral study of uranium tetrafluoride crystal. In the study of products of their dehydration. I. V. Gupkova, I. N. Gutshin, A. I. Ikhonova, Zhurn. neorg. khim. 12 no. 1, 110-115 Ja '67.

## URANIUM ISOTOPES

Absolute chronology of Cenozoic sediments. V. V. Chudakovskiy and others. Izv. AN SSSR, Ser. geol. no. 1, 11-10 Ja '67.

Uranium isotopes in natural conditions. Report No. 2: Isotope composition of uranium minerals. V. V. Chudakovskiy and others. Geokhimiya no. 10, 840-848 '61.

## URANIUM OXIDES

Uranium oxides. L. M. Kovba and others. Vest. Mosk. univ. 21 no. 6, 20-32 N-D '66.

Reaction of dissolution of uranium trioxide. Part 1: Dissolution of trioxide in the presence of substances of various natures. L. A. Kuvshinov, Radiokhimiya no. 6, 61-67 '66.

Study of the behavior of  $UO_2$  and its hydrates in solutions by means of hydroxide electrode of the third kind. I. I. Gupkova, K. Z. Kuvshinov, Zhurn. neorg. khim. 12 no. 1, 101-107 Ja '67.

## URANIUM SALTS

Preparation of aqueous solutions of triuranium. V. I. Pavlovskiy, N. N. Kiselev, A. D. Gel'man, Radiokhimiya no. 6, 670-673 '66.

## URANYL COMPOUNDS

Uranium anion complexes of uranyl in nonaqueous solutions. V. M. Vodyanov, A. I. Shoklo, D. N. Suprunov, Radiokhimiya no. 6, 651-658 '66.

Complex formation in the system  $UO_2(NO_3)_2 \cdot H_2O$  - ethylenediaminetetraacetic acid -  $H_2O$ . L. P. Polozhinskaya, L. P. Soboleva, A. M. Gutovych, Radiokhimiya no. 6, 658-664 '66.

Uranium oxalate compounds of uranyl of pentacid type. R. M. Shestakov, V. I. Belomestnykh, Zhurn. neorg. khim. 12 no. 1, 101-100 Ja '67.

## URANYL FLUORIDES

Study of the reaction involved in the formation of uranyl fluoride by means of electric conductivity. A. A. Vozdnetov, Zhurn. neorg. khim. 12 no. 1, 108-110 Ja '67.

## URANYL NITRATE

Interaction between uranyl nitrate and nitrates of some metals in aqueous solutions. M. A. IAPlinov, Ty-Kh. 5, 1, Novaya, Radiokhimiya no. 6, 646-651 '66.

## URANYL SALTS

Reaction of salt transfer through the interface in extraction systems. V. S. Fedorov, Radiokhimiya no. 6, 633-641 '66.

## URBAN SOCIOLOGY see Sociology, Urban

## URICA

Clinical significance of the uric acid-synthesizing function of the liver in infectious hepatitis. G. F. Belov, Sov. med. 31 no. 11, 71-76 N '66.

Electrostatic study of structure of uric acid complex in uric acid deswelling process. F. A. Chagoduev, M. F. Mironov, B. V. Klimenko, Izv. vyzn. nauch. zhurn., no. 1, 11-10 Ja '67.

Microchemical analysis of the triple system carbamide-urea-oxalate. I. M. Bokhovkin, V. I. Chesnokov, Izv. vyzn. nauch. zhurn. 9 no. 6, 122-126 '66.

Production and properties of alkylsulfonamide, a new surface active agent. Report No. 2. I. M. Volkov, I. N. Kulik, Mash. zhurn. 32 no. 10, 28-29 '66.

Production and properties of alkylsulfonamide, a new surface active agent. Report No. 2. I. M. Volkov, I. N. Kulik, Mash. zhurn. 32 no. 11, 27-28 '66.

Synthesis of derivatives of N-phosphoryliminohydrocarbamate acid and N-phosphorylimidurea. L. N. Levkova, P. I. Alimov, Izv. AN SSSR, Ser. khim. no. 12, 2218-2220 '66.

System succinic acid - carbamide - water at 25° and 40°. C. P. Simochalov, I. G. Duzhina, S. D. Beskov, Zhurn. neorg. khim. 12 no. 1, 198-202 Ja '67.

## UREA—EFFECT ON PLANTS see Plants, Effect of urea on

## UREA—PHYSIOLOGICAL EFFECT

Effect of chloropropamide on tissue respiration of the liver in experimental chronic toxic hepatitis. N. Kh. Abdullov, Biol. eksp. biol. i med. 63 no. 1, 50-52 Ja '67.

## UREA—THERAPEUTIC USE

Effect of lalbutamide on blood cholesterol content in patients with tumors. V. M. Dzhivan and others, Vop. onk. 13 no. 1, 30-32 '67.

Results of the use of carbamide in the treatment of cancer and neurodermatitis. E. S. Pavlov, L. N. Platonov, Sov. med. 29 no. 10, 61-63 O '66.

## UREA CONDENSATION PRODUCTS

Photochemical determination of the methylol group content of water-soluble carbamide resins. E. A. Navinzhakova, V. S. Sporykhina, Lakokras. mat. i kh. prikl. no. 6, 47-49 '66.

## URETHANE POLYMERS

Synthesis of "blocked" isocyanates and production of single-component polyurethane lacquers on their basis. A. A. Blagomavova, A. M. Tarasovskaya, L. D. Zhidkova, Lakokras. mat. i kh. prikl. no. 8, 1-4 '66.

Use of urethane rubber for the manufacture of spike heels for women's footwear. M. A. Abram and others, Kauch. i rez. 28 no. 1, 25-26 '67.

## URIDINE PHOSPHATES

Hydroxylaminolysis of uridine diphosphate glucose and some of its analogs. N. K. Kochetkov and others, Dokl. AN SSSR 172 no. 3, 603-606 Ja '67.

## URINARY ORGANS—DISEASES

Complications relating to the urinary tract in recurrences of cancer of the cervix uteri. B. I. Lukhtan, M. Snide-lyu, O. Dzhigene, Vop. onk. 13 no. 1, 83-85 '67.

## URINE—ANALYSIS AND PATHOLOGY

Changes in plasma alkali reserve and true urinary acidity in chronic coronary insufficiency during various stages. A. D. Khetagurov, Sbor. nauch. trud. SOGM no. 10, 125-136 '61.

Comparative evaluation of Kimbarovskiy's color sedimentation reaction of urine in the clinical aspects of internal diseases. R. A. Pizhbol'skaya, Sbor. nauch. trud. SOGM no. 10, 110-124 '61.

Comparative evaluation of new methods to determine the degree of bacteremia in the diagnosis of chronic pyelonephritis. A. I. Pytel', V. S. Rikhsanov, V. E. Rodman, Sov. med. 29 no. 10, 3-10 O '66.

Study of the estrogens in the urine of patients with premenstrual psychoses. T. N. Nedbaeva, Zhurn. neorg. khim. 12 no. 1, 170-171 '62.

## URTSKII, DANIL IAKOVLEVICH, d. 1906

Danil Iakovlevich Urtshii; obituary. Khleb. i kond. prom. 10 no. 1, 46 Ja '67.

## UROLOGY

Bellakov, J. [Urological diseases, their prevention and treatment] Urologicheskiy kurs, nendo vaktimine ja ravi. Tallinn, Valgus, 1966, 51 p. (Teodur ja Iervis) [In Estonian] (DNLM)

## USSURIYSK—BUILDING MATERIALS

Utilization of wastes. F. Iarmolenko. Na stroit. Res. 4 no. 3, 29 Mi '63.

## UST'-BALYK OIL FIELD—MINES AND MINERAL RESOURCES

Mineralogical characteristics of Neocomian producing layer of Ust'-Balyk oil field in connection with conditions governing its formation. G. V. Maslennikova, Dokl. AN SSSR 172 no. 3, 660-663 Ja '67.

## UST'-KACHKA (PERM PROVINCE)—HEALTH RESORTS, WATERING PLACES, ETC.

Khoroshavlin, N. G. [Therapeutic waters of Ust'-Kachka] Lechebnye vody Ust'-Kachki. Izd. 2, 2, dop. [Pis'ma] Perm'skoe knizhnoe izd-vo, 1965 138 p. (DNLM)

## UST'-KAMENOGORSK—FURNITURE INDUSTRY—MANAGEMENT

Life presents urgent problems. V. Kityay. Nar. khoz. Kazakh. 24 no. 11, 15-17 N '66.

## UST'-KAMENOGORSK—MACHINERY INDUSTRY—MANAGEMENT

Operation and production planning in the workshop. I. A. Gal'perin. Nar. khoz. Kazakh. 24 no. 12, 12-23 D '66.

## UST'-LABNSK DISTRICT—SUNFLOWER SEED

Largest sunflower crops in the Kuban. R. F. Manzhos, Mash. zhurn. 33 no. 1, 37 Ja '67.

## UST'-ORDA BURYAT NATIONAL AREA—FORAGE PLANTS

Use of lands with low elements of relief for forage crops in the northeastern part of the Ust'-Orda Buryat National Area. G. A. Sokolov. Izv. ISKh no. 24, 115-133 '62.

## USTYURT—LANDFORMS

Phylogeographic indications of present evolution of topography of Ustyurt desert. S. V. Viktorov. Biol. MOIP. Otd. geol. 30 no. 3, 155 My-Je '61.

## USTYURT—PASTURES AND MEADOWS

Ustyurt as a stockbreeding area. I. I. Gravitov. Nauch. trudy TashGU no. 210, 60-74 '62.

## USTYURT—PLANT COMMUNITIES

Phylogeographic indications of present evolution of topography of Ustyurt desert. S. V. Viktorov. Biol. MOIP. Otd. geol. 30 no. 3, 155 My-Je '61.

## UTERUS

Effect of the blood serum and sexual hormones present in the urine of pregnant women on the isolated uterus. M. S. Giginshvili. Sbor. AN Gruz. SSR 26 no. 6, 717-754 Je '61.

## UTERUS—CANCER

Blood coagulation and fibrinolysis in cancer of cervix uteri following radiotherapy. J. Musiatowicz and others. Med. rad. 11 no. 12, 10-14 D '66.

Carcinogenic effect of human and equine smegma on rat uterus in vitro. V. D. Todor. Sbor. AN Gruz. SSR 14 no. 3, 777-781 D '66.

Combined rigid applicator for radioactive cobalt therapy of cancer of the cervix uteri. A. I. Shramenko. Med. rad. 7 no. 10, 63-66 O '62.

Complications relating to the urinary tract in recurrences of cancer of the cervix uteri. B. I. Lukhtan, M. Snide-lyu, O. Dzhigene, Vop. onk. 13 no. 1, 83-85 '67.

Dosimetric substantiation of the method of bilateral pendulum radiotherapy in malignant tumors of the uterus. A. V. Frolova and others. Med. rad. 11 no. 12, 7-10 D '66.

Results of diagnosis and treatment of erosion of the cervix uteri following gynecological examination and hospital tests. A. I. Stupko, A. I. Kravtsov. Sov. med. 30 no. 1, 123-128 Ja '67.

State of regional metastases in cancer of the cervix uteri in the second stage following combined radiotherapy. E. B. Rozentul, G. M. Sotoka. Vop. onk. 13 no. 1, 81-83 '67.

## UTERUS—DISEASES

Treatment of cervix uteri erosion of trichomonad etiology with Shostakovskiy's balsam. A. P. Kolesov. Sov. med. 29 no. 1, 123-125 N '66.

## UTOPIAS

Problems of social psychology in the theories of utopian socialists. V. V. Ermolin. Vest. LGU 21 no. 23, 141-144 '66.

## UZBEK LANGUAGE—GRAMMAR, HISTORICAL

Dialects of the "Turks" of Uzbekistan in their relations to the language of Old Uzbek literature. G. F. Blagova, Kh. D. Danilov. Vop. iaz. 13 no. 6, 92-106 N-D '66.

## UZBEK LITERATURE—HISTORY AND CRITICISM

Abdumavlonov, A. A., and A. A. Babakhanov. [History of Uzbek literature] Istoriya uzbekskoi literatury. Tashkent, Uchitil', 1966, 246 p.

## UZBEKISTAN—AGRICULTURE

Struggle for the steady rise of agriculture is a national cause. Nar. khoz. Uzb. 3 no. 2, 3-10 F '61.

## UZBEKISTAN—AGRICULTURE—STATISTICS

Economics of our republic. Nar. khoz. Uzb. 3 no. 2, 74-78 F '61.

## UZBEKISTAN—AGRICULTURE, COOPERATIVE

Efforts of the party organizations of Uzbekistan to strengthen the alliance of the working class and peasantry based on the development of the cooperation of rural toilers, 1927-1928. Sh. O. Orazimbetov, Trudy TashGU no. 218, 39-42 '66.

## UZBEKISTAN—BOOKSTORES

In an advanced district. M. Prokhonova. Kaizh. iorg. 19 no. 1, 31 Ja '67.

## UZBEKISTAN—BUDGET

Budget of the third year of the seven-year plan. V. Murat-khodzaev. Nar. khoz. Uzb. 3 no. 2, 17-21 F '61.

## UZBEKISTAN—CHEMICAL INDUSTRIES

New stage in the development of Uzbekistan's large-scale chemistry. A. Dufman. Nar. khoz. Uzb. 3 no. 2, 40-47 F '61.

## UZBEKISTAN—CHEMISTRY, TECHNICAL

Physics helps chemistry. N. Syrova. Nar. khoz. Uzb. 3 no. 2, 84-85 F '61.

## UZBEKISTAN—COLLECTIVE FARMS

Struggle of the Communist Party of Uzbekistan for further engineering and developing the alliance of the working class and collective farm peasantry during the third five-year plan, 1938-June 1941. E. A. Dvorkina. Trudy TashGU no. 218, 51-55 '66.









## VINYL ACETATE POLYMERS

Alkylating the copolymers of vinyl acetate with esters of acetic acid. E. M. Perepletchikov and others. *Lakokrasn. mat. i khim. prom.* no. 6:15-47 '66.

Electric properties of organic semiconductor on the basis of polyvinyl acetate. A. V. Vannilov and others. *Fiziko-khimiya* 2 no. 12:1171-1176 D '66.

## VINYL COMPOUND POLYMERS

Redrawing of the polyvinyl alcohol fiber obtained by a dry method. V. I. Rabinovich and others. *Izv. vyzn. uchb. zav. tekhn. i tekhn. prom.* no. 6:53-56 '66.

Hygienic properties of fabrics made from vinyl and vinyl-acetate yarn. L. A. Tsvetkov. *Izv. vyzn. uchb. zav. tekhn. i tekhn. prom.* no. 6:31-38 '66.

Representation of polyvinyl chloride coatings in the production of testovinit. M. S. Prikhov and others. *Kozh.-shv. prom.* no. 8:121-23 D '66.

Studying the possibility of producing yarn for high-bulk but goods on the basis of the use of a new polyvinylidene fiber. E. I. Burbaum. *Nauch.-issled. i izd. i tekhn. za 1963 g.* 198-209.

Suspension polymerization of vinyl chloride in the presence of carboxylic acid salts. E. N. Zilberman and others. *Plast. massy* no. 1:5-7 '67.

## VINYL ETHERS

Addition of dihaloacetone to vinyl ethers. M. I. Shostakovskii, A. A. Nikiforov, V. V. Kozlov. *Izv. AN SSSR, Ser. khim.* no. 1:149-153 Ja '67.

Splitting of  $\beta$ -etheronitile group in cyanoethoxy substituted vinyl ethers by organomagnesium compounds. M. I. Shostakovskii and others. *Dokl. AN SSSR* 171 no. 4:887-889 D '66.

Vinyl ethers, derivatives of acyclic glycols (vinylglycidyl glycols). M. I. Shostakovskii and others. *Dokl. AN SSSR* 171 no. 6:1455-1457 D '66.

## VINYL POLYMERS see subdivision under Acrylics

## VINYLIATION

Vinylation of aminophenol sulfates. M. E. Shostakovskii and others. *Izv. vyzn. uchb. zav. tekhn. i tekhn. prom.* no. 3:761-763 '66.

## VIRGIN TERRITORY—AQUEDUCTS

Continuous digging of trenches by layers in the construction of a water pipeline in the Virgin Territory. L. A. Morgulits. *Stroitel'stvo* 6 no. 12:12-13 D '66.

## VIRGIN TERRITORY—BUILDING MATERIALS INDUSTRY

The Virgin Territory deserves a powerful construction industry. G. A. Shirtnev. *Stroitel'stvo* 7 no. 11:6-9 '66.

## VIRGIN TERRITORY—RURAL CONSTRUCTION—FINANCE

Benefits of the industrial method. S. Shapovalov. *Nat. khoz. Kazakh.* 24 no. 12:61-65 D '66.

## VIRGIN TERRITORY—RURAL CONSTRUCTION—MANAGEMENT

Structure Organization Specialization. B. Nasedkin. *Nat. khoz. Kazakh.* 24 no. 12:52-55 D '66.

## VIRGIN TERRITORY—TRACTORS

Use tractors intensively. S. Azov. *Tekhn. v sel'sk. khoz.* 28 no. 12:50-53 D '66.

## VIRILISM

Congenital virilizing hyperplasia of the adrenal cortex. I. L. Liberman, A. M. Raskin. *Probl. endok. i gorm.* 8 no. 6:88-97 N-D '62.

## VIROLOGY

Pathology of leukemia: exogenous virus or pathogenic endogenous nucleoproteins? *Probl. gemat. i perel. krovi* 10 no. 12:25-32 D '65.

Konferentsiya po probleme "Vzaimootnosheniya virusa i detki." Riga, 1965. [Virus and cell; materials] Virus i detki. [materials] Riga, Zinatne, 1965. 300 p.

## VIROLOGY—RESEARCH see subdivision under Kiev

## VIRUS DISEASES OF INSECTS

Broadening host range by infecting insects with preparations of viral DNA. H. M. Dolobov'ska, I. P. Kok. *Dop. AN URSR* no. 12:1602-1605 '66.

## VIRUS DISEASES OF PLANTS

(see also subdivision under White Russia)

Content of phosphorus fractions of potato leaves infected by X virus. A. V. Ustinova. *Vesti AN BSSR, Ser. biol. nav.* no. 1:119-120 '67.

Effect of virus infection on pigment content in tomato and cucumber leaves. D. K. Ges', L. N. Rentskaja. *Vesti AN BSSR, Ser. biol. nav.* no. 3:120-130 '66.

Effectiveness of summer planting and early harvesting dates of potatoes in controlling spindle shaped tuber and virus Y. U. A. Leont'eva. *Trudy KHSKH* 55:104-118 '66.

Pozhar, Z. I. [Virus diseases of sugar beets in Czechoslovakia (diagnosis and control methods), report of the Soviet agricultural delegation] *Virusnye bolezni sakharnoi svekvi v ChSSR (diagnostika i metody bor'by)*, otchet sovetskoi sel'skokhoziaistvennoi delegatsii Moskva, 1966. 20 p. (Sel'skokhoziaistvennaya nauka i praktika za rubezhom, no. 8:46)

## VISCOSIMETER

Device for determining structural and mechanical characteristics of drilling muds. L. S. St. elena and others. *Neft. i gaz. prom.* no. 5:20-22 S-O '66.

## VISCOSIMETRY

Gradient dependence of the quenching angles and viscosity of polymer solutions. V. P. Baidov, N. D. Mosterova, I. A. Shchima. *Vest. LGU* 21 no. 22:69-75 '66.

Viscosity of liquid silicon, chromium and its silicides. B. A. Bium, P. V. Grub, P. V. Kockero. *Izv. AN SSSR, Mekh.* no. 1:62-68 Ja-T '67.

## VISCOSITY

Calculating the viscosity of real gases. G. I. Tsolman, V. R. Kamenetskii. *Inzh.-fiz. zhurn.* 11 no. 6:751-755 D '66.

Experimental study of gear performance of electric centrifugal pump in pumping viscous gas-liquid mixtures. I. M. Mironov, I. T. Mikhchenko. *Neft. khoz.* 44 no. 10:51-54 O '66.

Light scattering and viscosity of poly- $\beta$ -naphthyl methacrylate in benzene. V. E. Lskun, A. P. Nestorov. *Vest. LGU* 21 no. 2:76-78 '66.

Molar viscosity of liquid substances and mixtures. A. P. Tsvetov. *Dokl. khim. zhurn.* 32 no. 11:1252-1253 '66.

Study of temperature regime in producing well bore during flow of viscoplastic fluids. Z. M. Adzhinov and others. *Azerb. neft. khoz.* 15 no. 11:30-33 H '66.

Viscosity of an allotropic modification of water in quartz capillaries. B. V. Derlagin, N. N. Fedotkin, M. V. Talnev. *Dokl. AN SSSR* 167 no. 2:376-378 M '66.

Viscosity of binomiated fractions. R. K. Nishishin. *Khol. tekhn.* 43 no. 11:30-33 N '66.

## VISHNEVAYA MOUNTAIN—FENITES

Paragenetic associations of accessory minerals in rare elements of contact rocks containing fenites of the mafic intrusion in Vishnevaya Mountain. A. G. Zhabin, G. H. Khabibulinov, M. B. Karakova. *Trudy IMGRU* no. 1:51-71 '66.

## VISHNEVAYA MOUNTAIN—METALS, RARE AND MINOR

Paragenetic associations of accessory minerals in rare elements of contact rocks containing fenites of the mafic intrusion in Vishnevaya Mountain. A. G. Zhabin, G. H. Khabibulinov, M. B. Karakova. *Trudy IMGRU* no. 4:51-71 '66.

## VISHNEVAYA MOUNTAIN—PYROCHLORE

Pyrochlore of Vishnevaya Mountain, its paragenetic associations, and chemical composition. E. M. Piskova, L. L. Naraitenko. *Trudy IMGRU* no. 4:33-50 '66.

## VISHNEVAYA MOUNTAIN—RHADOPHANTITE

Rhadophantite of Vishnevaya Mountain. F. B. Khazizova, D. N. Khazizova. *Trudy Min. muz.* no. 12:235-238 '61.

## VISIBILITY

(see also subdivision under Japan Sea)

Diurnal and annual variations of probability of limit of visibility less than 10 km. E. N. Dovgallo. *Trudy GGO* no. 184:44-47 '66.

Gavrilov, V. A. [Visibility in the atmosphere] *Vidimost' v atmosfere*. Leningrad, Gidrometeoizdat, 1966. 323 p.

## VISION RESEARCH

Influence of environment on binocular relationship of flashing colors. V. E. Shekhidi. M. M. Bongard. M. S. Smirnov. *Biofizika* 11 no. 5:871-878 '66.

## VISITORS, CONGOLESE

Lawyers of the Congo (Brazzaville) have visited the Soviet Union. *Sots. zakon.* no. 2:82 F '67.

## VISITORS, FOREIGN see subdivision under Leningrad

## VISITORS, INDIAN

The Public Prosecutor of India has visited the Soviet Union. *Sots. zakon.* 39 no. 7:78 J '61.

## VISITORS, RUSSIAN see subdivision under Czechoslovakia

## VITAL STATISTICS

Some methodological problems concerning the population process in the U.S.S.R. G. M. Kozostev. *Uch. zap. Sver. gos. ped. inst.* no. 35:181-189 '66.

## VITALEM

Basic forms of vitalem in present-day biology. A. I. A. Ilin. *Vest. Mosk. un. Ser. 8: Filoz.* 21 no. 6:30-39 N-D '66.

## VITAMIN THERAPY—CONGRESSES

Gosudarstvennyi institut vitaminologii. [Vitamins, Physiology and biochemistry of vitamins and their study in clinical practice, transactions of the 2d Scientific Conference] *Vitaminy. Fiziologiya i biokhimiya vitaminov i ikh izucheniye v klinike, trudy II nauchnoi konferentsii*. Moskva, 1962. 323 p.

[MICROFILM]

## VITAMINS

Current status of the problem of the preparations of vitamins and their use. M. H. Chirpynska, I. P. Revutska. *Izvestiya zhur.* 17 no. 2:7-13 '62.

Effectiveness of the enrichment of protein and vitamin additives with methionine, vitamin group B, and trace elements. I. I. Alov. *Khim. i sel'sk. khoz.* 5 no. 1:49-52 Ja '67.

Estimating the vitamin content of fruits and berries in White Russia. D. K. Shapiro, L. S. Tikhonovskaya, I. I. Shostakovskii. *Vesti AN BSSR, Ser. sel'sk. khoz. nav.* no. 1:38-42 '66.

Supply of some radiation-labile vitamins to monkeys kept on vegetable food subjected to gamma radiation. H. I. Shilfinger and others. *Vop. pit.* 25 no. 6:60-65 N-D '66.

Vacsoluzhnyi nauchno-issledovatel'skiy institut zhivotnovodstva. [Using vitamins for raising the productivity of animal husbandry] *Ispol'zovanie vitaminov dlia povysheniya produktivnosti zhivotnovodstva*. Moskva, 1966. 482 p. (DNAL)

## VITAMINS—A

Changes in proteins of blood serum and liver of rats following excessive injection of vitamin A. V. V. Kamenkov. *Vop. pit.* 25 no. 6:57-60 N-D '66.

## VITAMINS—B

Effect of some vitamins of the B group on the course of virus hepatitis in white mice. P. D. Stashov. *Bull. eksp. biol. i med.* 63 no. 1:35-37 Ja '67.

## VITAMINS—B<sub>1</sub> see Thiamine

## VITAMINS—B<sub>5</sub> see Nicotinic acid

## VITAMINS—B<sub>6</sub> see Pyridoxine

## VITAMINS—B<sub>12</sub> see Cyanocobalamin

## VITAMINS—C see Ascorbic acid

## VITAMINS—E see Tocopherol

## VITAMINS—CONGRESSES

Gosudarstvennyi institut vitaminologii. [Vitamins, Physiology and biochemistry of vitamins and their study in clinical practice, transactions of the 2d Scientific Conference] *Vitaminy. Fiziologiya i biokhimiya vitaminov i ikh izucheniye v klinike, trudy II nauchnoi konferentsii*. Moskva, 1962. 323 p. [MICROFILM]

## VITEBSK—RUGS AND CARPETS

Vitebsk Carpet Works. A. A. Khvostov. *Prom. Bel.* 10 no. 1:34-36 Ja '67.

## VITEBSK PROVINCE—DRAINAGE

Improvement of clayey soils in the Polesie Lowland. F. A. Malyshev, A. I. Mikhaylovich. *Gid. i mel.* 19 no. 1:75-81 Ja '67.

## VITEBSK PROVINCE—TRADE UNIONS

We act together. S. Smolonskiy, M. Kipchenko. *Sov. profsoyuz* 23 no. 1:8-9 Ja '67.

## VITICULTURE

(see also subdivision under Cuba, Har'ovo-Karabakh Autonomous Province, Uzbekistan)

Concerning the nominal number of working components in a planting machine. M. P. Dmichko. *Trakt i sel'sk. khoz. mash.* 10 no. 3:30-32 Mr '60.

Mechanized ridging of single-eyed cuttings of grapevines. T. Aizenshteyn. *Tekhn. v sel'sk. khoz.* 21 no. 12:12-14 D '61.

Universal PRVN-1.5 vineyard machine. Sh. Perkis. *Tekhn. v sel'sk. khoz.* 21 no. 12:33-36 D '61.

## VITREOUS HUMOR

Changes in the content of potassium in the vitreous body fluid depending on the time of death. N. P. Marichenko. *Sud.-med. ekspert.* 6 no. 4:3-7 O-D '66.

## VIVIANITE

Studying the interaction of film formers with vivianite. S. N. Tolstaya, S. A. Shabanova, A. B. Taubman. *Lakokrasn. mat. i khim. prom.* no. 6:8-10 '66.

## VLADIMIR PROVINCE—COMMUNIST EDUCATION

Concern for the education of young Communists. Part. zhizn' no. 3:59 F '67.

## VLADIMIR PROVINCE—ROAD CONSTRUCTION

Striving for the honorable title of a division of communist labor. A. Kopylov. *Avt. dor.* 24 no. 11:7 N '61.



**VOLGOGRAD—TRACTOR INDUSTRY**  
The most intensive labor discipline. N. Silaev. Part. zhurn. no. 2:51-52 Ja '67.

**VOLGOGRAD PROVINCE—GRAIN—TRANSPORTATION**  
Automotive transportation and grain transport. A. Chab. Zhurn. no. 1:13-14 N '66.

**VOLOGDA—FAIRS**  
Sale of goods at the fairs. E. Sukhar'va. Mat. tekhn. zhurn. no. 4:53-56 O '66.

**VOLOGDA—ROLLING (METALWORK)—MECHANIZATION**  
Mechanized areas. N. M. Botko. Mashinostroitel' no. 1. 12 Ja '67.

**VOLOGDA PROVINCE—MILK TRADE**  
The milkability is far from being exhausted. A. Belov. Zhurn. no. 1:28-29 N '66.

**VOLTAGE REGULATORS**  
Centrifugal voltage regulators for d.c. and a.c. generators. E. P. Bironov, M. N. Psenko. Izv. vuz. ucheb. zav. elektromekhn. no. 12:1373-1379 '66.  
Direct coupling assistance of a transistor voltage regulator. G. P. Belov. Radioelektronika 22 no. 1:47-51 Ja '67.  
Feasibility of current-limiting assemblies in electric drives of single-bucket excavators, and ways to eliminate it. G. D. Rempel. Izv. vuz. ucheb. zav., got. zhurn. no. 9:161-168 '65.

**VOLTARE, FRANCOIS MARINE AROUET, DE, 1691-1778**  
Vulture as theatrical producer. I. S. Gordon. Nauch. zhurn. shkoly, filol. nauk. 5 no. 1:129-137 '62.

**VOLTARE** see subdivision under Rozdol region (Ukraine)

**VOLTA METRY**  
Voltammetric characteristics of thin film systems of various compounds. A. K. Gailis, E. A. Stibin, I. A. F. Frumkina. Elektrokhemija 2 no. 12:1420-1425 D '66.

**VOLUMETRIC ANALYSE**  
Titrating phosphoric acid and its mixtures with phosphates in aqueous media. A. P. Kreshkov, V. A. Diodov, N. A. Kolesnikova. Khim. v sel. khoz. 5 no. 1:50-63 Ja '67.

**VOLYN—PODOLIAN UPLAND—MOLLUSKS, FOSSIL**  
Inoceramus labialis zone in the Cretaceous of the Volyn'-Podolian Plateau. S. R. Kotsiubyn'skiy. Geol. zhurn. 21 no. 2:106-108 '61.

**VOLYN PROVINCE—HYDROMICA**  
Hydromica from basic pegmatites of Volyn' Province. I. U. M. Mel'nik. Min. sbor. 20 no. 1:123-125 '66.

**VOLZHSKIY (VOLGOGRAD PROVINCE)—CONSTRUCTION INDUSTRY**  
Construction of Volzhskiy. N. I. Kolesnikov, A. S. Mol'chenko. Energ. stroit. no. 2:213-221 '61.

**VOLZHSKIY (VOLGOGRAD PROVINCE)—LIGHT-WEIGHT CONCRETE**  
Manufacture of keramzit and keramzit concrete elements and their use in construction. S. S. Kirkorov, A. L. Kass. Energ. stroit. no. 2:221-227 '61.

**VORKUTA REGION (KOMI A.S.S.R.)—BORING MACHINERY**  
Electric drill set-up on a PK-3 cutter loader for drilling boreholes under a rod bolt. V. A. Kichayev, G. P. Kutsenko, V. M. Mogil'nyi. Shkhi. stroit. 5 no. 11:24-25 N '61.

**VOROB'EV, KONSTANTIN**  
A tale about love. I. U. Bondarev. Nov. ml. 38 no. 10: 236-238 O '62.

**VOROD'EV, MIKHAIL PETROVICH, 1896-1957**  
An outstanding military engineer. P. Birlukov, V. Istomin. Voenn.-ist. zhurn. 6 no. 1:37-42 Ja '67.

**VORONEZH—COMMUNIST PARTY OF THE SOVIET UNION—PARTY WORK**  
There is a propagandist in Voronezh... N. Gents. Mol. komm. no. 6:88-91 Je '61.

**VORONEZH PROVINCE—RURAL CONDITIONS**  
New look of villages. V. Pervov. Part. zhurn. no. 3:53-55 F '67.

**VORONTSOV, DANYLO SEMENOVICH, 1880-1905**  
From D. S. Vorontsov's life. P. O. Makarov. Fiziol. zhurn. 12 no. 6:709-711 N-D '66.  
On the 80th anniversary of D. S. Vorontsov, member of the Academy of Sciences of the Ukrainian S.S.R. Fiziol. zhurn. [Ukr.] 12 no. 6:703-708 N-D '66.

**VORONTSOV** see Lugansk

**VORONTSOV PROVINCE** see Lugansk Province

**VOROVSKIY, VASILAV VASILAVOVICH, 1871-1923**  
An irreconcilable fighter against modernism. N. Pashov. Oshch. 43 no. 12:160-161 D '66.

**VORTEX MOTION**  
Vortex motion in liquid. G. A. Rusak. Tруды Gidromekhn. no. 13:218-233 '66.

**VOSKRESENSK (MOSCOW PROVINCE)—CHEMICAL INDUSTRIES—FINANCE**  
Interrelationship of enterprises with the budget. I. A. Khosin. Plan. khoz. no. 2:46-53 F '67.

**VOSKRESENSK (MOSCOW PROVINCE)—CHEMICAL PLANTS—DESIGN AND CONSTRUCTION**  
Use efficiently each ruble invested in construction. N. Bondarenko. Na stroit. Ros. 4 no. 8:14-15 Ag '63.  
We will complete ahead of schedule the installations of starting equipment. N. Pichonanko. Na stroit. Ros. 1 no. 8:17-18 Ag '63.  
Without stopping plant operations. A. Lavrenkov. Na stroit. Ros. 4 no. 8:15 Ag '63.

**VOSKRESENSK (MOSCOW PROVINCE)—EDUCATION—EXPERIMENTAL METHODS**  
First anniversary of a school. D. Fonkonegii. Na stroit. Ros. 2:27-30 F '67.

**VOVCHOK, MARKO, pseud.—LANGUAGE**  
Synonyms for denoting the act of speech in the works of Marko Vovchok. M. M. Peshchenko. Leksykoi. 1 lekyskoi. no. 2:95-94 '66.

**VOYAGES AND TRAVELS**  
Man is attracted by the road. I. Zabelin. V mire kul. 6 no. 6:14-15 Je '63.  
V. V. Polozov's travels in the Near and Middle East in the 1670's, an evaluation of his petitions as source of history. E. G. Chumachenko. Palest. sbor. no. 15:208-227 '66.

**VOYAGES AROUND THE WORLD**  
O. E. Kotzuev's voyages around the world and their importance for the geographical science. V. A. Pankov. Tруды Inst. ist. i tekhn. 42:130-150 '62.

**VOZNESENKA OIL FIELD—PETROLEUM PRODUCTION**  
Experience in developing 16th layer of overthrust wing of Voznesenka oil field. I. T. Pronnikov, V. Kh. Gullamov. Neft. khoz. 45 no. 1:40-46 Ja '67.

**VOZNESENSKIY, ALEKSEI SEMENOVICH, 1897-1959**  
Aleksai Semenovich Voznesenskiy; an obituary. Pochovodnye no. 4:121-124 Ap '60.

**VRUBEL', MIKHAIL ALEKSANDROVICH, 1856-1910**  
Iagodovskaya, A. T. Mikhail Aleksandrovich Vrubel'. Leningrad, Khudozhnik RSFSR, 1966. 62 p. illus. (Narodnaya biblioteka po iskusstvu)

**VULCANIZATION**  
Chemical relaxation of hot-vulcanized rubber. I. N. Sotnikova, A. B. Kusov. Kauch. i rez. 25 no. 12:13-15 '66.  
Effect of porophore on the process of producing microporous soles by hot vulcanization. Z. A. Voinberg. Kozh.-obuv. prom. 8 no. 11:20-22 N '66.

Effect of thermal processing of butyl rubber with fillers on the properties of mixtures and vulcanizates obtained by the use of oil resin and sulfur. G. M. Runkin, I. A. Levitin. Kauch. i rez. 26 no. 1:15-19 '67.  
Interaction of tetrachloroquinone with unsaturated rubbers. P. A. Vinogradov, K. F. Gavrilina, M. G. Aisen'eva. Kauch. i rez. 25 no. 12:23-24 '66.  
Radiation vulcanization by 20-30 mev electrons. I. P. Kim and others. Kauch. i rez. 25 no. 12:15-18 '66.  
Radiochromatographic separation of certain mixtures of sulfur and vulcanization accelerators (with summary in English). I. V. Khodzhaeva, I. V. Kiselev, K. I. Zhur. 23 no. 3:322-326 My-Je '61.

Removal of the exocomb on the tread during vulcanization in shape vulcanizers. D. D. Rinkhin and others. Kauch. i rez. 25 no. 12:14-16 '66.  
Study of the kinetics of vulcanization of porous rubbers from the RS-45 high-styrene elastomer. N. V. Vasil'ev, A. P. Pisarenko, V. I. Alekseenko. Kauch. i rez. 25 no. 12:18-20 '66.

Synthesis of peroxide rubbers and production of sulfur-free vulcanizates on their basis. T. I. Idrashenko and others. Kauch. i rez. 25 no. 12:6-8 '66.

Thermographic method of determining the temperature coefficient of vulcanization. N. A. Zanevskaya, I. M. Agalants, I. A. Levitin. Kauch. i rez. 25 no. 12:24-26 '66.

Vulcanization of acrylate rubber with phenol-formaldehyde resins. M. M. Pomecheva, N. P. Gordinenko. Kauch. i rez. 25 no. 12:18-19 '66.

Vulcanization of elastomers with salts of methacrylic acid. A. A. Dontsov, V. E. Mikhlin, B. A. Dogadkin. Kauch. i rez. 25 no. 12:20-22 '67.

**VULCANIZATION—EQUIPMENT AND SUPPLIES**

Use of the modernized, revolving, semi-automatic MP52-M press for the vulcanization of rubber parts. N. V. Vasil'ev and others. Kozh.-obuv. prom. 8 no. 11: 14-17 N '66.

**VULVA—CANCER**

Sarcoma of the vulva; single observation. M. I. Shternberg. Vop. onk. 13 no. 1:93-94 '67.

**WAGES**  
(see also subdivision under Armenia, Chikmagent)

Capitalist competition and wages. F. Pletnev. Vnesh. torg. 46 no. 12:54-59 '66.

The dictator and the enterprise's rights for establishing wages. I. A. Klipidina. Sots. trud. 12 no. 1:53-55 Ja '67.  
For workers of enterprises on practice in changing over to the new system of planning and economic stimulation activities. 12 no. 1:64-67 Ja '67.

In the State Committee on Labor and Wages of the Council of Ministers of the U.S.S.R. and the All-Union Central Council of Trade Unions. Sots. trud. 12 no. 1: 112-144 Ja '67.

[Labor and wages at an enterprise; a reference manual] Tруд i zarabotnaya plata na predpriyatii, spravochnoe posobie. Moskva, Ekonomika, 1967. 397 p.

On the two forms of necessary product and two kinds of cost. N. A. Moliseenko, M. D. Pliker. Vest. i GU 21 no. 43:5-11 '66.

Procedure for making withholdings from wages. A. Epshstein. Sots. trud. 12 no. 2:137-145 F '67.

Wage regulation. S. S. Korinskii. Sov. profsoyuzy 23 no. 1:44-46 Ja '67.

**WAGES—ACCOUNTING**  
How to compute average earnings. Prom. Arm. 9 no. 11: 80 '66.  
A simple way of figuring flying time. I. K. Zenev. Grazhd. sv. 19 no. 2:25 F '62.

**WAGES—BUILDING MATERIALS INDUSTRY**  
Influence of the economic reform on the bonus systems. S. I. In. Sots. trud. 12 no. 1:48-52 Ja '67.

**WAGES—CLOCKMAKING AND WATCHMAKING** see subdivision under Moscow

**WAGES—COAL MINERS**  
Forms of labor organization of brigades and payment for final production in mine stopes. I. U. M. Rubinskii. Ugol' Ukr. 7 no. 3:38-40 Mi '63.  
Incentive payments for real effectiveness in production only. F. I. Dubrovskii, Z. F. Drobkin. Ugol' Ukr. 7 no. 3:37-38 Mr '63.

**WAGES—COLLECTIVE FARMS**  
(see also subdivision under Makharadze District)  
Efforts of the party organizations of the Kahardino-Balkar A.S.S.R. to improve the forms of the remuneration of collective farmers. Sh. A. Shkharadze. Uch. zap. Kab.-Balk. gos. un. no. 27:138-165 '65.  
Guaranteed wages are an important means for improving the economy of collective farms. V. Dremenko. Fin. SSSR 40 no. 12:15-20 D '66.

**WAGES—CONSTRUCTION INDUSTRY**  
Analysis of the disbursement from the wage fund in construction. P. Kuz'min. Buidg. uch. no. 12:16-17 D '66.  
Paying bonuses and designing work results. G. Ippolitov. Sots. trud. 12 no. 1:23-27 Ja '67.

**WAGES—CONSTRUCTION WORKERS**  
Experience in using new methods of planning and accounting. M. D. Kulachuk. Transp. stroit. 16 no. 3:35-37 Mr '66.  
Providing incentives for builders' work. I. Nozdin. Sov. profsoyuzy 23 no. 1:56-46 Ja '67.  
Replies to builders' questions. R. Sharipov. Nar. khoz. Kazakh. 24 no. 1:182-94 N '66.

**WAGES—FLAX INDUSTRY**  
Improved organization of the wage system is an important condition for better utilization of the raw material. Z. P. Abakumov. Nauch.-issl. trudy TSNILV 21:180-187 '66.

**WAGES—INDUSTRIAL MAINTENANCE**  
Wages of repair workers. I. I. Zolov. Mashinostroitel' no. 1:32-33 Ja '67.

**WAGES—LEATHER INDUSTRY** see subdivision under Lvov

**WAGES—LUMBERMEN**  
Some problems of material incentives in logging operations. S. I. Gulachuk. Tруды tekhn. i nat. nar. khoz. no. 1. 257-265 '66.

**WAGES—MACHINERY INDUSTRY**  
Boborykin, S. G., and M. I. A. Zolisek. [Problems in the organization of wages in enterprises of the machinery and the metalworking industry of the U.S.S.R. A reference aid.] Voprosy organizatsii zarabotnoi platy na predpriyatiakh mashinostroitel'noi i metallobrabatyvayushchei promyshlennosti SSSR. Spravochnoe posobie. Leningrad, Sudostroenie, 1966. 470 p.

**WAGES—MEAT INDUSTRY**  
Boborykin, S. G., and M. I. A. Zolisek. [Problems in the organization of wages in enterprises of the machinery and the metalworking industry of the U.S.S.R. A reference aid.] Voprosy organizatsii zarabotnoi platy na predpriyatiakh mashinostroitel'noi i metallobrabatyvayushchei promyshlennosti SSSR. Spravochnoe posobie. Leningrad, Sudostroenie, 1966. 470 p.  
Incentive wage system for workers organized in brigades. I. U. Vasil'ev. Mias. ind. SSSR 38 no. 1:16-18 Ja '67.

## WAGES—PRINTERS

Keeping the production records of the piece-workers in the "Prichatny Dvor" Printing Plant Z. A. Fridman  
Polizh. prazn. no 124 Ja '63

## WAGES—PROSPECTING

(see also subdivision under Caucasus, Northern)  
Consultation on wages, labor norms, and rights of plant, factory, prospecting, and local trade-union committees Razved. i okh. nedr. 26 no 362-64 Zh '60

## WAGES—RAILROADS

Planning the salary fund L. A. Zhuchkov Puti put. khoz. 10 no 1027 '66

## WAGES—RESTAURANTS, LUNCHROOMS, ETC.

On the new procedure for economic stimulation in a series of trade and public dining enterprises Sots. trud. 12 no 1144-146 J '67

## WAGES—RETAIL TRADE

(see also subdivision under Perm Province)

On the new procedure for economic stimulation in a series of trade and public dining enterprises Sots. trud. 12 no 1144-146 Ja '67

Payment of wages to salespeople depending on proceeds from sales. IU. Zlofazo Sots. trud. 12 no 140-63 Ja '67

## WAGES—RUBBER INDUSTRY

System of economic incentives at the "Krasnyy bogatyri" Plant B. M. Odintsov, I. D. Zverev, Nauch. i izv. 25 no 1211-143 '66

## WAGES—SUGAR INDUSTRY

Increase of the material incentive for food industry workers in extending production and improving the quality of consumer goods Sakh. prom. 41 no 164-66 Ja '67

## WAGES AND LABOR PRODUCTIVITY see subdivision under Uzbekistan

## WAKES (FLUID DYNAMICS)

Calculating lateral speeds in the initial and basic areas of turbulent wakes in a co-current flow S. S. Ginevskii, Prom. aerodin. no 27 55-70 '66

Characteristics of the turbulent wake under gradient flow conditions L. N. Ukhanova Prom. aerodin. no 27 71-82 '66

Investigating the vortex wake behind a body of revolution. E. K. Buchinskaya, K. A. Pochtina Prom. aerodin. no 27 121-144 '66

Statistical characteristics of a plane turbulent wake at a minor distance from the cylinder L. N. Ukhanova Prom. aerodin. no 27 83-95 '66

## WALKING

Restoration of walking ability after traumatic lesions of the foot V. P. Zubynin, Sbor. nauch. rab. Azovo-Chern. inst. mekh. sel'khoz. no 14 80-107 '58

## WALLPAPER

Semiautomatic device for cutting wallpaper A. Rozenval'd, K. Baidal Na stroit. Ros. 7 no 12:21 D '66

## WALLS

Wind pressure on the outer surface of buildings of different width and other geometric parameters V. N. Taliev Sbor. trud. NIIST no 13 83-87 '62

## WALLS—FINISHING

Plastic wall facing E. Zagorcheva, L. Temelkova, Na stroit. Ros. 7 no 12:27 D '66

## WAR

Ways of banishing war from the life of society V. I. Garadzhia Nauch. dokl. vys. shkoly, filos. nauki 1 no 114-25 '61

## WAR—ECONOMIC ASPECTS see subdivision under Great Britain

## WAR CRIME TRIALS see subdivision under Germany

## WAR CRIMES

Milovskii, M. P. [Crimes of Imperialism against humanity] Prestupleniya imperalizma protiv chelovechestva, Leningrad, 1866, 38 p.

## WAR CRIMINALS see subdivision under Germany, West

## WAR MEMORIALS see subdivision under Leningrad, Moscow

## WAR SONGS

Songs of the revolution, A. Zharov, Agitator 34 no. 2 27-28 Ja '67.

## WARBLE FLIES—EXTERMINATION see subdivision under Tyumen' Province

## WAREHOUSES

Efficient designs of steel bearing elements of storehouses of loose materials, M. B. Solodari, Prom. stroit. 39 no. 12:45-49 '61

## WAREHOUSES—HEATING AND VENTILATION

Basic data for the calculation of air changers in vegetable storehouses, G. L. Basin, Sbor. trud. NIIST no. 13 128-147 '62

## WARSAW PACT, 1955

Lights and shadows of Europe, O. Kuchka, Mezhdunar. zhurn. 14 no. 2 6-12 '67.

## WASHING MACHINES

Activating hydraulic-jet washing machine, M. N. Polin, Kons. i ov. prom. 22 no 15-6 Ja '67

## WASTE HEAT

Utilization of secondary waste heat B. N. Sokolov, B. I. Fridman Bum. prom. 37 no 5 22-23 My '62

## WASTE PRODUCTS

Preparation of polymers of fillers from industry wastes, S. N. Ganz, R. I. Buglinskaya, S. I. Kaplunova, Izv. vyzh. ucheb. zav. khim. i khim. tekhn. 9 no. 5 782-781 '66.

## WATER

Amount of juvenile water isolating during the formation of effusive rocks O. N. Tolstikhin Geokhimiya no 11 1005-1008 '61

Band-head water-raising engine I. A. Levin, A. Gubrykov Tekh. i sel'khoz. 21 no 12:22-24 D '61.

Problems of the radiochemistry of water solutions, V. A. Sharpatyi, Usp. khim. 30 no. 5 645-678 My '61

## WATER—CHLORINATION

Evaluation of chlorine and its dioxide for treatment of phenol-contaminated natural water, M. A. Shevchenko, F. M. Kalinichuk, I. P. Vlasova, Ukr. khim. zhurn. 32 no. 11 1235-1230 '66

## WATER—COMPOSITION

(see also subdivision under Azerbaijan)

Hydrochemical conditions and meteorology in reservoirs of Armenia M. D. Gambartan, Biol. zhurn. Arm. 10 no. 12: 77-83 D '66

## WATER—MICROBIOLOGY

Mechanism of uranium action in a body of water, V. N. Gushkova, L. N. Gufkin, A. I. Tikhonova, Gidrobiol. zhurn. 2 no 6 53-57 '66.

## WATER—PHYSIOLOGICAL EFFECT

Determining water requirement by brood sow in relation to its physiology A. IU. Kozhakhmetova, Trudy Inst. fiziol. AN Kazakh SSR 10 100-194 '66

## WATER—POLLUTION

Clinical and epidemiological analysis of a water-borne outbreak of typhoid fever, I. B. Olaiyev and others Sbor. nauch. trud. SOGMI no 10 36-40 '61

Possibility for using "electrobiological" test in determining pollution degree in reservoirs, B. A. Flatorov, Trudy Inst. biol. vnatr. vod. no. 10 291-294 '66.

Some problems of marine sanitary hydrobiology O. G. Mitonov, Gidrobiol. zhurn. 2 no 6 62-80 '66.

## WATER—PURIFICATION

Closed cycle of water circulation in the woodpulp and paper industry, B. M. Zamonov, Bum. prom. no. 1: 16-18 Ja '67.

Purifying bilge waters of petroleum products with ship-borne equipment, I. Tuv, IU. Kellin Rech. i inap. 20 no 7:31-34 Ji '61.

## WATER, EFFECT OF RADIATION ON

Radioysis of water absorbed on silica gel T. L. Kiylova, P. I. Dolin, Kin. i kat. 7 no 6:977-982 N-D '66

## WATER, UNDERGROUND

(see also subdivision under Armenia, Caucasus, Northern, Dnieper-Donets Lowland, Kara Kum, Kiev region; Severodnests'k region, Ukraine, Uman' region, Veliko Anadol' Forest Massif; Volga Hydroelectric Power Station (22d Congress of the CPSU)

Acidity and alkalinity of aqueous solutions under conditions of increased temperatures and pressures, B. N. Ryzhenko, N. I. Khilator, Geokhimiya no. 10, 689-874 '61.

Approximate solution of the equation describing the motion of a homogeneous compressible liquid in an inhomogeneous elastic stratum, G. S. Kambarov, Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 5:107-117 '62.

Evaluation of resources of ground waters based on a regime of their level, R. V. Borodin, Nauch. trudy TashGU no. 234, Geol. nauki no. 20:212-226 '64.

Experience in sinking mine shafts in water-saturated sands, N. F. Karasov, Transp. stroit. 16 no. 4:14-16 Ap '66.

Lakes of karst caves, wells, and pits, G. A. Maksimovich, Peshchery no. 2:5-23 '62.

Location of hydrogeological stations in the U.S.S.R., A. A. Konopliantsev, Razved. i okh. nedr. 26 no. 3: 43-48 Mr '60.

Prognosis of the natural cycle of the level of underground waters, T. N. Efremova, Razved. i okh. nedr. 26 no. 8: 38-45 Ag '60.

Relation between the results of test pumpings and the thoroughness of prior cleaning of wells, F. V. Kul'baba, Razved. i okh. nedr. 26 no. 3:57-59 Mr '60.

Rise in level of ground water and change in its chemical composition in foundation beds of industrial enterprises B. I. Gostovskii, L. M. Shapshinova, Osh. i bud. stroit. prom. 8 no. 5:31-35 '66

Solution of problems of advance of contour of mine shafts and mixture of waters in evaluation of their infiltration potentialities by method of modeling, I. I. Gostovskii, Izv. vyzh. ucheb. zav., geol. i razv. 10 no. 1:97-100 Tr. VNI

Theoretical problems of hydrogeology, G. V. B. Gostovskii, V. V. Kravtsov, A. I. Shiba-Bokhmetov, Dokl. AN SSSR 10 no. 11 885-888 N '66

Unsteady flow of reservoir water in wells, I. I. Gostovskii, A. K. Kagramanov, Izv. AN Azerb. SSR Ser. fiz.-mat. i tekhn. nauk no. 5:40-59 '62

## WATER, UNDERGROUND—ANALYSIS see subdivision under Dnieper-Donets Lowland

## WATER, UNDERGROUND—CLASSIFICATION

Classification of underground waters, N. B. Bilenchik, Blud. MOIP, Osh. geol. 16 no. 5:110-119 9-9 '61

## WATER, UNDERGROUND—COMPOSITION

[Problems of hydrogeology and hydrochemistry] Vopr. i gl. gidrogeologii i gidrokhimii, [Leningrad] Izd-vo Leningr. univ., 1966, 175 p.

## WATER HAMMER

Direct water hammer in simple pipes, I. S. Gostovskii, Azerb. neft. khoz. 15 no. 12:27-25 N '66.

Water hammer in low-pressure distribution equipment, G. I. Kikmelashvili, Sbor. AN Gruz. SSR 15 no. 2:101-116 N '66.

## WATER HEATERS

Automatic draft control in gas operated boilers and hot water heating systems IU. P. Rusynovskii, Trudy Inst. vyzh. gazu i korm. hosp. i prom. AN USSR 10 no. 1:30-150

## WATER JET

Spreading of water jets during leaching out of metals in reservoirs IU. S. Vashuta, V. I. Chernikova, Trudy Inst. khim. i nefteprom. no. 11 18-23 '66

## WATER LILIES

Development of the pollen grains of Heliconia and their relation with Nymphaeaceae, N. R. Meier, Bot. zhurn. 51 no 12:1736-1740 D '66.

## WATER METABOLISM

Correction of water-electrolyte balance in early post-operative period, T. P. Akasenkova, B. M. Druzhinina, N. P. Ryzhikova, Sov. med. 20 no 10 110-111 '66

## WATER ON THE BRAIN see Hydrocephalus

## WATER PIPES—TESTING

Stock plug for testing water pipes, Prom. stroit. i inap. stroit. 8 no. 6:37-38 N-D '66.

## WATER RESOURCES DEVELOPMENT

Man and water, N. V. Razin, Oklady 13 no. 12 113-114 D '60

Optimum operation of the reservoir of a hydrostation under hydrological conditions of high water content at a given operational volume, IU. E. Gulev, Izv. AN Azerb. SSR, Ser. fiz.-mat. i tekhn. nauk no. 5:50-51 '62

## WATER RESOURCES DEVELOPMENT—CONFERENCES

International seminar on the overall utilization of water resources, F. M. Rakhimov, Gidrot. mel. 19 no 1 120-121 Ja '67.

## WATER SUPPLY

Man and water, N. V. Razin, Oklady 13 no 12:142-144 D '66.

## WATER SUPPLY ENGINEERING—ELECTROMECHANICAL ANALOGIES

Calculating water supply systems using electric analogies, I. M. Glazunov, Vod. i san. tekhn. no. 11:10-16 N '62

## WATER VAPOR

Effect of water vapors on the interaction of gases with sulfur dioxide at temperatures above 100°C, V. S. Gpikhanov, T. I. Kulin, Izv. vyzh. ucheb. zav. khim. i khim. tekhn. 9 no. 5:705-700 '66.

## WATER VAPOR—SPECTRA

Water vapor dimer and its spectrum, A. A. Viktorov, S. A. Zhevakina, Dokl. AN SSSR 171 no. 4:811-816 Tr. VNI

## WATERMELONS—DISEASES AND PESTS

Studying the chemotherapeutic method for ridding watermelons of insartum yellow, V. V. Shumakov, Tr. VNI MISKII 56:60-71 '60.

## WATERPROOFING see subdivision under Volga Hydroelectric Power Station (22d Congress of the CPSU)

## WATERPROOFING OF FABRICS

Trilonometric determination of aluminum in solution and on fabrics, E. V. Shuter, Nauch. i izv. trudy TSNIIIV 2:109-107 '60.

WAVE EQUATIONS

Approximate integration of Fourier's problem for general elliptic equations. I. I. Kovach. Dop. AN USSR no. 12:1530-1531 '66

Characteristics of several types in the linear Heisenberg chain. A. A. Chudinov. Izv. vuz. fizika: teoret. fiz. no. 2:10-51 Ja '67

Derivation of an asymptotic solution of a wave equation with small nonlinearity for a wave guide. I. V. Korotnikov. Dop. AN USSR no. 7:815-850 '62

WAVE EQUATIONS—BOUNDARY VALUE PROBLEMS

Quasi-periodic and periodic solutions to moving boundary problems for a wave equation in one-dimensional space. V. I. Khal'vasser. I. P. Samarin. Differ. urav. z. pr. 11:511-513 N '66

WAVE FUNCTIONS

Akhmediev, B. I., and V. B. Belikov. [Convergence of two-particle disintegration in the problem of three bodies] O skhodnosti 2-chastichnykh razlozhenii v zadache trekh tel. Dubna, 1967. 7 p.

Characteristics of rotational bands based on levels with  $K = 1/2$ , positive engineering. B. S. Dzhelapov, G. P. Dzhafarzade. Izv. AN SSSR, Ser. fiz. 31 no. 1:171-178 Ja '67

Curry-Sommerfeld-Morse approximation. V. P. Nohlyshev. Fiz. zhur. 11 no. 12:1277-1285 D '66

Hydrogen-like wave functions for heavy atoms and ions. P. P. Pavlovskii, A. I. Shchegolev. Vest. LGU 21 no. 2:25-37 '66

Possibility of passing the potential barrier in an approximation of the generalized Wentzel-Kramers-Brillouin method. Part 2: Symmetrical barriers. N. I. Zhurav. Izv. vuz. fizika: teoret. fiz. 9 no. 6:101-107 '66

Possibility of passing the potential barrier in an approximation of the generalized Wentzel-Kramers-Brillouin method. Part 3: Asymmetrical barriers. N. I. Zhurav. Izv. vuz. fizika: teoret. fiz. 9 no. 6:108-113 '66

WAVE GUIDES

Exciting of wave guides. A. G. Sveshnikov, B. I. Volkov, N. I. Shchegolev-Zenkovich. Vychisl. met. i prog. 5:210-226 '66

Excitation of irregular wave guides with gyration filling. V. P. Modenov. Vychisl. met. i prog. 5:197-204 '66

Experimental study of necessary and sufficient characteristics of wave guides. O. G. Shumina. Izv. AN SSSR, Fiz. znan., no. 12:5-10 '66

Excitation of two-dimensional acoustic wave guide with sharp cutoff. P. G. Gribshstein, L. I. Gurevich, V. S. Pribitich. Izv. AN SSSR, Fiz. znan., no. 12:18-27 '66

Propagation of flexural acoustic oscillations in an irregular wave guide with complex form. A. S. Il'inski. Vychisl. met. i prog. 5:221-252 '66

Wave diffraction on the surface impedance discontinuity in a closed-end waveguide. M. S. Bobrovnikov, V. N. Kozlovskiy, V. V. Lashov. Izv. vuz. fizika: teoret. fiz. 9 no. 6:12-69 '66

Waveguide method of measuring the electric characteristics of a plasma produced beyond the shock wave front. V. V. Krylov, I. I. Lunov. Teplofiz. vyz. temp. 1 no. 6:768-776 N-D '66

WAVES

(see also subdivision under Rybinsk Reservoir)

Some corrections to methodology of calculating wave loads on structures in deep sea. A. D. Myurichan. Neft khoz. 44 no. 11:15-18 N '66

Study of frequencies of wave heights. V. B. Vaishtad. St. rab. po glizol. no. 6:87-104 '66

Study of nonscattering velocities in the presence of waves. B. I. Volkov. Rezh. transp. 70 no. 7:43-44 J1 '61

Waves in a semi-infinite medium with negative dielectric constant. A. I. Volkov. Fiz. tver. tela 8 no. 11:3107-3115 N '66

WEATHER see subdivision under Kuba District

WEATHER CONTROL

Stepanov, V. B. [Ocean and the future of the earth] Okean i budushcheye Zemli. Moskva, Znanie, 1967. 77 p. (Novoe v zhitii, nauke, tekhnike, XII Sorok: Nauka o Zemle, 2/3)

WEATHER FORECASTING

(see also subdivision under Mirny Station, Antarctica)

Current state of experimental studies of mountain ice waves and some recommendations for their diagnosis and prognosis. P. A. Vorontsov. Trudy GGO no. 108:3-23 '66

Zvazkina, R. A., E. V. Lavrova, and L. N. Liakhova. [Principles of short-range prediction of ionospheric geomagnetic storms and radio-propagation forecasting service, a manual] Osnovy prognozirovaniya ionosferno-magnitnykh vozmushchenii i sluzhba kratkorochnykh radioprognozov; rukovodstvo. Otv. red. L. N. Liakhova. Moskva, Nauka, 1967. 72 p.

WEATHER SATELLITES see Meteorological satellites

WEATHERING see subdivision under Tien Shan

WEAVING

Construction of fabrics containing the polyacrylonitrile fiber nitron. A. P. Antipov. Nauch.-issl. trudy TSNIKHBI no. 20:187-193 '65

Method of determining the indices of the physical and mechanical properties of unfinished cotton fabrics on the basis of loom-jumping calculations. N. S. Eremina. Nauch.-issl. trudy TSNIKHBI za 1963 g. 270-308

Wet excess in the process of the formation of the fabric and its determination. A. A. Zabolotn and others. Nauch.-issl. trudy TSNIKHBI za 1963 g. 239-243

WEAVING—EQUIPMENT AND SUPPLIES

Machine for weaving coats. A. Liangaurias. Tekh. v sel'khoz. 26 no. 12:13-11 D '66

WEED CONTROL

(see also subdivision under Kazakhstan; Kirghizistan, Kusk Province, Siberia)

Eradication of field bindweed in a fallow ed field. L. S. Rehtanov, R. G. Udalina. Khim. v sel'khoz. 5 no. 1:11-12 Ja '67

Eliminating weed control in forest nurseries and forest plantations. E. A. Ivanov. Trudy Ser. sel'khoz. inst. 15 no. 3:33-31 '65

Use of almatine and atrazine for protecting spruce and pine seedlings from weeds in nurseries. L. M. Kozlova. St. rab. nauch.-issl. rab. po les. khoz. no. 6:278-282 '63

WEED KILLERS see Herbicides

WEIGHT LIFTING

"Abating" method in developing strength. I. I. Ivanov. Tr. o. i. prak. fiz. kul't. 29 no. 12:23-25 D '66

Relationship between achievement and body weight of an athlete. M. V. Starobutsev. Teor. i prak. fiz. kul't. 29 no. 12:18-20 D '66

WEIGHTS AND MEASURES—TESTING

[Guide of instructions, methodological directions, and rules governing the testing of measures and measuring instruments (poslon on January 1, 1965)] Ukazatel' iskhodstv, metodicheskikh ukazaniy i pravil po poverke mer i izmeritel'nykh priborov (po sostoiianiu na 1/1 1965 g.). Izd. ofitsial'noe. Moskva, Izd-vo Standartov, 1965. 10 p.

WELDED JOINTS—TESTING

Mechanical stabilization of contact between an ultrasonic transducer and the object being checked. B. V. Kostinikov. Defektoskopiya 1 no. 6:16-20 '66

WELDED STEEL STRUCTURES—TESTING

Checking the air-tightness of welded joints and base metal of a structure by GTI-3 and VAGTI-4 leak detectors. V. I. Zaitsev, T. A. Rukova. Defektoskopiya 2 no. 6:50-58 '66

WELDING

Pel'ov, G. L., and A. S. Tumaiev. [Theory of welding processes; with fundamental of physical chemistry] Teoriya svaynochnykh protsessov, s osnovami fizicheskoi khimii. Moskva, Vysshaya shkola, 1967. 507 p.

Soveshchaniye po avtomatizatsii protsessov mashinostroeniya, 4th, 1964. [Automatic control of processes of welding and pressure working of metals; transactions] Avtomatizatsiya protsessov svarki i obrabotki davleniem, (trudy). Moskva, Nauka, 1966. 250 p.

WELDING—EQUIPMENT AND SUPPLIES

The PD-500 gun for the welding of alloys. V. A. Knelgel. Sudostroenie 56 no. 12:50-51 D '66

WELLS

(see also subdivision under Chelyabinsk Province, Chernyye Zemli; Bokur Valley)

Polymer pastes for the connection of ceramic and asbestos-cement pipes in air lift wells. V. P. Batuk. Gidr. i mel. 10 no. 1:99-100 Ja '67

Setting-up the KVN-1 pump in a dug well. V. Mal'chugov. Tekh. v sel'khoz. 26 no. 12:69 D '66

Shortcomings in "Technical conditions in planning and equipping water wells." A. A. Khmelevskii. Razved. i okh. nedr. 26 no. 8:54-55 Ag '60

WELLS—EQUIPMENT AND SUPPLIES see subdivision under Kazakhstan

WEST GERMANY see Germany, West

WEST SIBERIAN PLAIN—PETROLOGY

Lithology of the Devonian sediments of the southeastern flank of the West Siberian Plain. Z. I. Gusev. Biol. MOIP, Old. geol. 36 no. 3:115 My-Je '61

WESTERN DYNA VALLEY—HISTORY

Losov, E. F. [Koknese] Koknese. Latvijas gos. izd-vo, 1967. 74 p.

WESTERN EUROPE see Europe, Western

WESTERN SAMOA—DESCRIPTION AND TRAVEL

Beneath the Southern Cross: travel impressions. V. Kassia. Nov. vrem. 29 no. 9:26-28 F '67

Beneath the Southern Cross: travel impressions. V. Kassia. Nov. vrem. 29 no. 10:27-29 Mr '67

WESTERN SAMOA—POLITICS AND GOVERNMENT

Beneath the Southern Cross: travel impressions. V. Kassia. Nov. vrem. 29 no. 9:26-28 F '67

WESTERN SIBERIA see Siberia, Western

WETTING

Wetting of steel in the system hydrocarbon-aqueous solutions under conditions of moving liquid. V. N. Negrev, I. A. Mamadov, G. M. Abulicova. Trudy Inst. khim. AN Az. SSR 20:51-54 '64

WHALERS

Automatic control system for the boiler unit on the whaler "Sovetskaya Ukraina." M. Sh. Shifrin, L. G. Zhigirev. Sudostroenie 27 no. 1:31-33 Ja '61

Lifeboat for whalers. A. A. Gumbinov, I. V. Lavrentov. Rvb. khoz. 43 no. 1:35-36 '67

WHALES

Device for tagging whales. N. M. Vidishkin, L. A. Votrogov, V. D. Karits. St. rab. nauch.-issl. rab. na 1961 g. 9-10

Encigetics and migration speed of fishes, dolphins and whales. V. V. Shuleikin. Trudy VNIRO 60:27-30 '66

WHARVES

Concerning engineer V. Padina's article. B. Atlas. P. Turovskii. Rezh. transp. 20 no. 7:53 J1 '61

Determining the carrying potential of wharves to increase the capacity of ports. A. Bulkin. Rezh. transp. 20 no. 7:41-43 J1 '61

WHEAT

(see also subdivision under Caucasus, Irkutsk Province, Kustanay Province, Siberia, Western)

Effect of a polymer on winter wheat yields. I. A. Romanov. Biol. nauch.-tekhn. inform. po ag. nauch. no. 8/9:70-73 '60

Quality of spring wheat grains. T. K. Gaponov, S. M. Potol'skaya. Zhurn. prikl. khim. 34 no. 6:1398-1397 Je '61

Some data on the development of male sporangium in wheat in the absence of boron. T. B. Butygina, F. A. Tyolskaya, G. K. Alimova. Bot. zhur. 51 no. 12:1731-1754 D '66

Winter hardiness and productivity of winter wheat as related to the age of the plant and variety characteristics. A. I. Zadonitsev, V. I. Bondarenko. Vest. sel'khoz. n-uki 11 no. 12:33-12 D '66

WHEAT—CLEANING see subdivision under Omsk

WHEAT—CONGRESSES

Symposium on wheat in Yugoslavia. A. A. Fedotov. Vest. sel'khoz. nauki 11 no. 11:148-150 '66

WHEAT—FERTILIZERS AND MANURES

(see also subdivision under Armenia, Kirghizistan)

Effect of fertilizers applied to green fallow crops on the yield of winter wheat. 1. A. Kallazina, N. A. Prensniakov. Khim. v sel'khoz. 5 no. 1:3-8 Ja '67

Winter hardiness of winter wheat on clean fallow as related to fertilizers. F. M. Prutskov. Agroklimatika no. 1:78-80 Ja '67

WHEAT—FROST RESISTANCE

Winter hardiness of winter wheat on clean fallow as related to fertilizers. F. M. Prutskov. Agroklimatika no. 1:78-80 Ja '67

WHEAT—GENETIC RESEARCH

Characteristics of meiosis in amphidiploid wheat forms. M. P. Tsarenko, I. K. Nikol'skii. Dokl. AN BSSR 10 no. 11:905-908 N '66

Variability of plants grown from immature seeds. G. B. Medvedeva. Genetika no. 12:46-51 '65

WHEAT—GRADING

Conditions for accepting the grain of hard and strong varieties of wheat from the 1968 harvest. Zakup sel'khoz. prod. no. 8:41-42 Ag '66

WHEAT—IRRIGATION see subdivision under Ukraine, Volga Valley

WHEAT—VARIETIES see subdivision under Kirghizistan; Siberia

WHEAT BREEDING see subdivision under Kuban

WHEAT BREEDING—RESEARCH

Problems of hybrid wheat. I. Vasil'ev. Vest. sel'khoz. nauki 11 no. 11:141-144 '66

WHITE RUSSIA

Geological conditions in White Russian Paleolithic sites, theme of a report. M. M. Tsapenko, V. D. Bud'ko, L. N. Voznyachuk. Trudy Kom. chetv. par. 18:72-74 '61

WHITE RUSSIA—AGARICALES

Agaricales in oak forests of White Russia. H. I. Starzhagina. Vest. AN BSSR, Ser. biol. nauch. no. 1:51-58 '67



#### WHITE RUSSIA—AGGREGATES (BUILDING MATERIALS)

**Volchek, V. G.** [Production and use of lightweight concrete aggregates in the White Russian S.S.R.] *Proizvodstvo i primeneniye legkikh iskusstvennykh zapolnitelei betonov v BSSR*. Minsk, Belarus', 1965. 53 p. (Prirodovopyt - doslovanie naibol'she)

#### WHITE RUSSIA—AGRICULTURAL RESEARCH

**Belorusskaya akademiya sel'skoye khozyaystva**. [White Russian Academy of Agriculture, decorated with the order of the Labor Red Banner, an outline of its history for 125 years] *Belorusskaya ordena Trudovogo Krasnogo Znameni sel'skokhozyaystvennaya akademiya, ochevnyy istorii*, 125 let. Minsk, Urozhai, 1965. 210 p. illus., tables.  
(CU)

#### WHITE RUSSIA—ANIMAL INDUSTRY—STATISTICS

Figures must be practical. I. Kondratyev, Zakupsel'khozprod., no. 12-9-10 D '66.

#### WHITE RUSSIA—ANTIQUITIES

Ancient glass beads from the excavation of the Chaplin burial ground, contacts of the eastern Slavs of White Russia with the ancient world of the northern Black Sea region. L. D. Puhai. *Vestis AN BSSR Ser. hram. nav.* no. 4 75-84 '66.

#### WHITE RUSSIA—ARCHAEOLOGICAL RESEARCH

An archaeological conference in Minsk. H. V. Shitykhan, *Vestis AN BSSR Ser. hram. nav.* no. 4 134-137 '66.

#### WHITE RUSSIA—ART, DECORATIVE

Ways of the development of White Russian decorative art. P. A. Karnach. *Vestis AN BSSR Ser. hram. nav.* no. 4 102-109 '66.

#### WHITE RUSSIA—BEETLES

New weevil species (Coleoptera, Curculionidae) in White Russia. T. G. Ioannitsani. *Vestis AN BSSR Ser. bial. nav.* no. 121-123 '67.

#### WHITE RUSSIA—BERRIES

Estimating the vitamin content of fruits and berries in White Russia. D. K. Shapira, L. S. Tsihanouskaya, L. I. Shastuk. *Vestis AN BSSR Ser. sel'khoz. nav.* no. 4 38-42 '66.

#### WHITE RUSSIA—BIOLOGICAL RESEARCH

Objectives of biological science in White Russia in the light of resolutions of the 23d Congress of CPSU. *Vestis AN BSSR Ser. bial. nav.* no. 3 5-9 '66.

#### WHITE RUSSIA—BIRDS—MIGRATION

Bird migration in central zone of White Russia in fall of 1963-1964. V. I. Viatokhin, M. S. Dolbik, U. M. Dnehyts. *Vestis AN BSSR Ser. bial. nav.* no. 3 123-128 '66.

#### WHITE RUSSIA—BOOKSTORES

Cities help rural fellows. V. Sudnikovich. *Kntzh. toig* 18 no. 1 30-31 Ja '67.

#### WHITE RUSSIA—BRIDGES—DESIGN AND CONSTRUCTION

Agglomerate concrete in bridge construction. I. A. Diuzd. *Avt. dor.* 24 no. 11 10-11 N '61.

#### WHITE RUSSIA—BUILDING MATERIALS INDUSTRY

New industrial capacities will be put into service. M. P. Tarasov. *Prom. Bel.* 10 no. 1 12 Ja '67.

#### WHITE RUSSIA—BUILDING MATERIALS INDUSTRY—MANAGEMENT

More efficient utilization of the potentialities of the building materials industry. A. V. Tomashevich, V. M. Grushetskii. *Prom. Bel.* 10 no. 1 42-44 Ja '67.

#### INDUSTRIES

Ikhonov. *Prom. Bel.* 10

#### GE WAREHOUSES

Khol'kikh, 43 no. 12

use of lightweight concrete aggregates in the White Russian S.S.R.] *Proizvodstvo i primeneniye legkikh iskusstvennykh zapolnitelei betonov v BSSR*, 1965. 53 p. (Pere-a)

#### VERY—PRODUCTION

final output norms for an action. E. L. Kul'bak, 10 no. 2 18-19 F '67.

#### ON INDUSTRY

ms. L. Paperno. *Ekon.*

#### GENETIC RESEARCH

ate of various corn varieties. M. V. Turbin, A. V. Ser. bial. nav. no. 3 40-

#### WHITE RUSSIA—DAIRY CATTLE

Some problems of the acclimatization of Dutch cattle in White Russia. V. R. Iofe. *Vestis AN BSSR Ser. sel'khoz. nav.* no. 1 95-101 '66.

#### WHITE RUSSIA—DAIRY INDUSTRY

Diverse and good tasting milk and meat products. V. K. Shargin. *Prom. Bel.* 10 no. 1 7 Ja '67.

#### WHITE RUSSIA—DRAINAGE

Water and air conditions and physical characteristics of some swampy soils in White Russia. N. I. Afanas'ev. *Vestis AN BSSR Ser. sel'khoz. nav.* no. 4 10-16 '66.

White Russian Institute of Melioration and Water Resources Management. V. M. Zubets. *Vest. sel'khoz. nauki* 11 no. 12 129-133 D '66.

#### WHITE RUSSIA—ECONOMIC CONDITIONS

Basic results of the operations of White Russian enterprises under new conditions of planning and economic stimulation. G. L. Bulgakov, B. S. Andriyev. *Prom. Bel.* 10 no. 1 20-24 Ja '67.

The friendship of peoples is our strength. P. Masheiov. *Agtator* 31 no. 2 8-11 Ja '67.

Glorious seven-year period. V. F. Romashkin. *Prom. Bel.* 10 no. 2 4-6 F '67.

#### WHITE RUSSIA—ECONOMIC POLICY

Efficiency of all economic incentives. A. P. Kolashin. *Prom. Bel.* 10 no. 1 16-19 Ja '67.

#### WHITE RUSSIA—ECONOMIC RESEARCH

A fruitful discussion. *Vestis AN BSSR Ser. hram. nav.* no. 4 136-140 '66.

#### WHITE RUSSIA—ELECTRIC NETWORKS

Introducing longitudinal capacitive compensation in distribution networks of the White-Russian power system. V. G. Pekelis, M. M. Naletskii, L. S. Volchek. *Prom. Bel.* 10 no. 2 21-22 F '67.

#### WHITE RUSSIA—FLAX

Effect of 2M-4X and 2, 4-D herbicides on growth and development of regionally adapted varieties of fiber flax. A. F. Iluz. *Vestis AN BSSR Ser. bial. nav.* no. 1 41-47 '66.

#### WHITE RUSSIA—FLIES

Biology of onion fly in conditions of White Russia. N. N. Kharchanka. *Vestis AN BSSR Ser. sel'khoz. nav.* no. 4 49-53 '66.

#### WHITE RUSSIA—FOOD INDUSTRY

New kinds of food products. G. M. Shakhanova. *Prom. Bel.* 10 no. 2 32 F '67.

Towards abundance. N. I. U. Byranov. *Prom. Bel.* 10 no. 1 10 Ja '67.

#### WHITE RUSSIA—FOREST ECOLOGY

Some studies on the productivity of forest phytocenoses. I. D. Hukovich, V. I. Porfomen. *Vestis AN BSSR Ser. bial. nav.* no. 1 115-118 '67.

#### WHITE RUSSIA—FRUIT

Estimating the vitamin content of fruits and berries in White Russia. D. K. Shapira, L. S. Tsihanouskaya, L. I. Shastuk. *Vestis AN BSSR Ser. sel'khoz. nav.* no. 4 38-42 '66.

#### WHITE RUSSIA—FUNGI

Order Aphyllophorales of White Russia. I. E. P. Kamarova. *Vestis AN BSSR Ser. bial. nav.* no. 4 50-64 '66.

#### WHITE RUSSIA—FURNITURE INDUSTRY

White Russian furniture. L. S. Kalkov, I. P. Novak. *Prom. Bel.* 10 no. 1 50-51 Ja '67.

#### WHITE RUSSIA—GEOLOGY, STRUCTURAL

Intersalt Devonian formation of Rechitsa structure. A. S. Makhnach and others. *Dokl. AN BSSR* 10 no. 11 881-884 N '66.

#### WHITE RUSSIA—CERATOPOGONIDAE

Bloodsucking punkies of genus *Ceratopegon* (Diptera, Heleidae) in White Russia. M. N. Trukhan. *Vestis AN BSSR Ser. bial. nav.* no. 3 132 '66.

#### WHITE RUSSIA—HYDNACEAE

Hydnaceae of White Russia. Report No. 2. E. P. Komarova, A. I. Golovko. *Vestis AN BSSR Ser. bial. nav.* no. 4 130-132 '66.

#### WHITE RUSSIA—INDUSTRIAL CAPACITY

Distribution of industrial capacities of White Russia. V. F. Medvedev. *Prom. Bel.* 10 no. 2 7-10 F '67.

#### WHITE RUSSIA—INDUSTRIAL EQUIPMENT—TECHNOLOGICAL INNOVATIONS

Promote effective modernization of equipment. I. D. Kontin. *Prom. Bel.* 10 no. 1 41-42 Ja '67.

#### WHITE RUSSIA—INDUSTRIAL MANAGEMENT

Firm steps of the White Russian industry. F. L. Kokhonorov. *Prom. Bel.* 10 no. 1 1-4 Ja '67.

In the State Planning Office of White Russia. S. R. Prom. Bel. 10 no. 1 2 Ja '67.

#### WHITE RUSSIA—INDUSTRIES

How the Communist Party struggled for the industrialization of the White Russian Republic, 1934-1944. I. M. Smilavitskii. *Vestis AN BSSR Ser. hram. nav.* no. 1 14-57 '66.

#### WHITE RUSSIA—INLAND WATER TRANSPORTATION

Multipurpose use of water resources and waterways (conclusion). Z. Shashkov. *Rech. transport* 20 no. 7 10-40 31 '61.

#### WHITE RUSSIA—LAKES

Some characteristics of the deep lakes of the White Russian Polesie. V. G. Zavitkov, O. I. Ivanova. *Izv. Vses. geog. ob-va* 98 no. 6 196-191 '5 10 '66.

#### WHITE RUSSIA—TIMING OF SOILS

Timing of soils. A. Doroshko, I. B. Belykh. *Zemledelie* 29 no. 1 28-30 Ja '67.

#### WHITE RUSSIA—LONGEVITY

Problems of longevity. V. A. Lashov, B. I. Al'ser. *Vestis AN BSSR Ser. bial. nav.* no. 1 90-97 '67.

#### WHITE RUSSIA—MACHINERY INDUSTRY

Improving the forms of remuneration for piece-work based on the materials of the machinery and metal working industries of the White Russian S.S.R. A. P. Pashkevich, M. S. Kuznetsov. *Vestis AN BSSR Ser. hram. nav.* no. 4 31-36 '66.

#### WHITE RUSSIA—MACHINERY INDUSTRY—TECHNOLOGICAL INNOVATIONS

Contribution of machinery industry workers. I. I. Vlodavov. *Prom. Bel.* 10 no. 2 13-11 F '67.

#### WHITE RUSSIA—MANUFACTURES

For the good of people. A. I. Nichepor. *Prom. Bel.* 10 no. 1 5-8 Ja '67.

Main attention to the needs of working masses. I. V. Semashkin. *Prom. Bel.* 10 no. 1 6-7 Ja '67.

#### WHITE RUSSIA—MEAT INDUSTRY

Diverse and good tasting milk and meat products. V. K. Shargin. *Prom. Bel.* 10 no. 1 7 Ja '67.

#### WHITE RUSSIA—MINES AND MINERAL RESOURCES

White Russian mineral wealth is revealed. P. A. Pashkevich. *Prom. Bel.* 10 no. 1 8-9 Ja '67.

#### WHITE RUSSIA—MOTION PICTURES

Evolution of dramatic conflicts in White Russian motion pictures devoted to the Great Patriotic War. V. I. Viatokhin. *Vestis AN BSSR Ser. hram. nav.* no. 1 110-115 '66.

#### WHITE RUSSIA—MOTOR VEHICLES—MAINTENANCE AND REPAIR

Specialized sections in centralized repairing. G. I. Prokhotnik. *Prom. Bel.* 10 no. 2 14 F '67.

#### WHITE RUSSIA—MYCOLOGY

Organization of the mycology and phytopathology sections in the White Russian section of the All-Union Botanical Society. T. A. Shcherbakova. *Bot. zhur.* 51 no. 12 1932 D '66.

#### WHITE RUSSIA—PARASITES—BIRDS

Bird ectoparasites in White Russia. I. T. Arzamasova. *Vestis AN BSSR Ser. bial. nav.* no. 3 131 '66.

#### WHITE RUSSIA—PARASITES—HEDGEHOGS

Invasion of hedgehog (*Erethizon europaeus* L.) by helminths in White Russia. L. V. Merkulova. *Vestis AN BSSR Ser. bial. nav.* no. 4 119-121 '66.

#### WHITE RUSSIA—PEAT INDUSTRY

All kinds of production should be profitable. I. I. Doroshko. *Prom. Bel.* 10 no. 1 11-12 Ja '67.

Economics of the extraction of low-humidity peat for the production of gambelins. D. I. Shukman. *Prom. Bel.* 10 no. 2 28-30 F '67.

Peat-Briquet Plant "Berezinskoye." V. I. Panfiliyev. *Prom. Bel.* 10 no. 1 49-40 Ja '67.

Peat industry of White Russia in the first years of the five-year plan. I. I. Duzhelevskii. *Torf. prom.* 43 no. 8 7-9 '66.

#### WHITE RUSSIA—PETROLEUM REFINING

Development of the refining of White Russian petroleum. N. E. Kazantsev. *Prom. Bel.* 10 no. 1 9 Ja '67.

#### WHITE RUSSIA—PLANT DISEASES

Organization of the mycology and phytopathology sections in the White Russian section of the All-Union Botanical Society. T. A. Shcherbakova. *Bot. zhur.* 51 no. 12 1932 D '66.

#### WHITE RUSSIA—PLANT INTRODUCTION

Effect of seed gamma irradiation on growth and development of seedlings of some introduced maple and birch species. M. A. Kudzinov. *Vestis AN BSSR Ser. bial. nav.* no. 3 54-63 '66.



## WOMEN AS SOLDIERS

Kirvich, G.D. [The women snipers of Leningrad] Zhen-shchiny-stripery Leningrada. Leningrad, Ob-vo "Znanie" RSFSR, 1966, 39 p.

## WOMEN IN THE TEXTILE INDUSTRY see subdivision under Narva (Estonia)

## WOOD—CHEMISTRY

Concentrated science forces on the decision line of scientific research. Gidroliz i lesokhim. prom. 15 no. 3-13 My '62.

Continuous hydrolysis of the polysaccharides of plant tissues with 46-48% of hydrochloric acid. Report No. 3 absorption of hydrogen chloride by moist wood. N.V. Chokov, A.E. Leschinskii. Izv. vys. ucheb. zav., les. zhur. 4 no. 6, 139-143 '66.

Continuous hydrolysis of the polysaccharides of plant tissues in 46-48% hydrochloric acid. Report No. 6 Thermal treatment of wood saturated by gaseous hydrogen chloride with simultaneous increase of the partial pressure of hydrogen chloride. N.V. Krotkov, N.V. Chokov. Sbornik nauch. i tekhn. informatsii, 1965, 11-180-191 '65.

Recovery of vinyl acetate from the residue of acetic acid rectification. IU IU TSmur, Gidroliz i lesokhim. prom. 15 no. 3-12-13 My '62.

Results of the contest for the best scientific and technical paper. Gidroliz i lesokhim. prom. 15 no. 5-26 My '62.

Scientific Council of the Scientific Research Institute of the Hydrolysis and Sulfite-Distilling Industry. M.L. Krut'gol'ts. Gidroliz i lesokhim. prom. 15 no. 5-28 My '62.

## WOOD—TESTING

Determining the elasticity modulus of wood by the vibration method. L.I. Kundatov. Izv. vys. ucheb. zav., les. zhur. 9 no. 6, 97-99 '66.

## WOOD, COMPRESSED

Characteristics of molding compounds obtained on the basis of coal tar from the head fraction of a benzol. F.D. Levin, I.G. Pradvin, L.V. Nagimskaya. Koks i him. no. 7-43-45 '62.

Wear resistance of machine parts made of compressed wood. N.M. Tarasov, M.M. Podlesnaya. Izv. vys. ucheb. zav., les. zhur. 9 no. 6, 105-108 '66.

## WOOD BORERS

The currant borer *Agrius chrysodeletae* on the "Komunist" Experimental and Training Farm of the Kharkov Agricultural Institute. E.G. Vaganova. Trudy KHKHI, 55-96-101 '66.

## WOOD BORERS—EXTERMINATION

Testing some insecticides in controlling currant borer beetles during 1964-1965. E.G. Vaganova. Trudy KHKHI, 55, 102-103 '66.

## WOOD-DECAYING FUNGI

Studying biological characteristics of the strains of *Ganoderma applanatum* (Pers. Pat.) from various trees. P.A. Suvorov. Uch. zap. OGU no. 50, 1-17 '59.

Studying the resistance of the wood of poplars to the complex of soil inhabiting pests. E.K. Churykova, Lis. hosp., 11s, pap. i der. prom. no. 1-24-26 Ja-F '67.

## WOOD ENGRAVING

Book about the Russian popular print. N. Ruz'min. Nov. mu. 38 no. 12, 259-261 D '62.

## WOOD ENGRAVINGS

Favorskii, V.A. [About artists, creative work, and books] Otkrytozhnik, o tvorchestve, o knige. [Moskva] Molodala gvardia, 1966, 125 p., illus.

## WOOD FINISHING

## WOOD PRESERVATIVES

A new antiseptic. I.N. Mikh, F.D. Pomin, Put' i put. hoz. 10 no. 9, 13-15 '66.

## WOODPULP

Manufacture of high-yield sulfite woodpulp from poplar. I. Daut, I. Fobor, D. Iking. Bum. prom. 37 no. 5-3-6 My '62.

## WOODPULP—MICROBIOLOGY

Contamination of commercial bleached woodpulp by microorganisms. I.A. Luchkova, A.A. Kononova. Bum. prom. no. 12-18-19 D '66.

Investigating the causes of woodpulp deterioration during storage. F.P. Oshchepkova. Bum. prom. 37 no. 5-21-22 My '62.

## WOODPULP INDUSTRY

Change of the supramolecular structure of cellulose during sulfite and sulfate cooking. E.D. Pechnikov, V.L. Shakov. Bum. prom. no. 1-3-5 Ja '67.

Concerning the article "Tradition or necessity." K.V. Molavnev, N.G. Nikol'skii. Bum. prom. no. 1-23 Ja '67.

Cooking chips with a liquor prepared with a combined base. Kh.V. Yun. Bum. prom. no. 12-12-13 D '66.

Destruction on "Attis" filter. R.A. Teplovskaya, Z.M. Bashkirtseva. Bum. prom. no. 1-12-13 Ja '67.

New progressive technology of the causticization of green liquor. B.M. Gutkin. Bum. prom. no. 1-27 Ja '67.

Reducing reactions in sulfate cooking. IU A. Gugin. Izv. vys. ucheb. zav., les. zhur. 9 no. 6, 127-129 '66.

Studying the process of the saturation of wood by cooking liquor prepared with calcium and sodium bases. A.D. Buevskaya, IU N. Nipenka. Bum. prom. no. 12-3-6 D '66.

Sulfate pulp from the wood of pine stumps and roots. A.P. Matluskina, M.I. Ageeva, L.V. Skvortsova. Bum. prom. no. 12-10-11 D '66.

Utilization of secondary waste heat. B.N. Sokolov, B.I. Treiman. Bum. prom. 37 no. 5-22-23 My '62.

## WOODPULP INDUSTRY—BY-PRODUCTS

Characteristics of yeasts used for the production of protein feeds from woodpulp industry wastes. T.N. Smushkina, N.I. Monakova. Gidroliz i lesokhim. prom. 15 no. 5-7-10 My '62.

## WOODPULP INDUSTRY—EQUIPMENT AND SUPPLIES

Cooking unit "Pandita." Bum. prom. no. 1-32 Ja '67.

First steps. B. Gorboski. Na stroi. Ros. 5 no. 3-21 My '61.

Inclined "Gorka" screen. A.L. Avdeev. Bum. prom. 37 no. 5-24 My '62.

Seminars for digester linings. B.V. Lopitla. Bum. prom. no. 12-14 D '66.

Static converters in the electric drive of pulp grinders. O.E. Terebilo. Bum. prom. no. 1-10-11 Ja '67.

## WOOD TAR

Soluble wood tar as corrosion inhibitor for ferrous metals. D.V. Zheltukhin. Gidroliz i lesokhim. prom. 15 no. 5-11 My '62.

## WOOD-USING INDUSTRIES

(see also subdivision under Andizhan; Kirov, Ukraine)

Textbook on the economics of the wood chemistry and hydrolysis industry. M.I. Galperin, I.G. Iut'ev. Gidroliz i lesokhim. prom. 15 no. 5-31-32 My '62.

## WOOD-USING INDUSTRIES—EQUIPMENT AND SUPPLIES

Arrangement of the equipment of wood-chemistry industries and the industrialization of the operations for its assembly and installation. B.T. Pavlov. Gidroliz i lesokhim. prom. 15 no. 5-29-30 My '62.

## WOOD WASTE

Adjustment of the DKV-6, 5 boiler unit with high-speed combustion furnace for the burning of wood waste. B.B. Sternin, P.A. Efremov, A.P. Tikhonov. Energo-mashinostroyeniye no. 9, 37-38 '60.

Ginzburg, B.A. [Using low-grade lumber wastes in making mass-produced consumer goods] Ispol'zovanie otkhodov nizkotsortnykh pilomaterialov dlia izgotovleniya izdelii shirokogo potrebleniya. [Moskva, TSentr. biuro tekhn. informatsii, 1957] 18 p. (OrCS)

Sawdust for the manufacture of high-yield hemi-cellulose and cellulose. E. Suvorovskii and others. Bum. prom. 37 no. 5-7-10 My '62.

Shkriia, T.M. [Using the wood of beech branches and tree tops in the making of bent furniture] Ispol'zovanie drevesnykh bukovykh such'ev i vershin dlia izgotovleniya izdelii gnutoi mebeli. L'vov, L'vovskii lesotekhn. in-t, 1958, 18 p. (OrCS)

## WOOD WASTE—ECONOMIC ASPECTS

Economic effectiveness of the industrial processing of wood waste. E.I.A. Oksanich. Les. bum. i der. prom. no. 3-41-51 '66.

Evaluating wood waste in determining the economic effectiveness of the processing. I.A. Oksanich. Les. bum. i der. prom. no. 3-41-51 '66.

## WOODWORK

A variety shelf. I.P. Antonov. Shkol' i prodv., 10 no. 10, 90-91 D '66.

## WOODWORK (MANUAL TRAINING)

The cutting of dovetails. M.D. Lashin, N.M. Iol'ts. Shkol' i prodv., 10 no. 12, 19 D '66.

## WOODWORKING INDUSTRIES

(see also subdivision under Murtsk, B. kul'sk Province, White Russia)

Vasishin, IU. M., K.S. Klykov, and V.B. Pichovskii. [Automation of the sawmilling and woodworking production] Sredstva avtomatizatsii lesopil'no-derevoobrabatyvayushchikh proizvodstv. Moskva, Izdatel'stvo promyshl., 1967, 354 p.

## WOODWORKING MACHINERY

(see also subdivision under Suuy region, Ukraine)

Formation of wood particles and the purity of products as related to the blinding of a cutting instrument. I.A. Novoskii. Les. bum. i der. prom. no. 3-25-31 '66.

Leon'ev, I.I. [All-purpose machine for handling and pressing furniture parts] Universalnyi stanok dlia gnet'iia i praznovaniia mebel'nykh detalей. [Moskva] TSentr. biuro tekhn. informatsii [1957] 10 p. (OrCS)

New design of the chopper knife. A.S. Medvedev. Gidroliz i lesokhim. prom. 15 no. 9-22 My '66.

Raising the level of engineering efficiency of electrical systems for woodworking machines. L.V. Guntchenko. Tekhn. i log. prodv. no. 6, 24-26 Ja '66.

## WOODWORKING MACHINERY—HYDRAULIC DRIVE

Determining the static and economic aspects of the hydraulic drive of the equipment of the lumbering and woodworking industry. M.I. Boran. Les. bum. i der. prom. no. 1-1-11 '66.

## WOODWORKING MACHINERY—HYDRAULIC EQUIPMENT

(see subdivision under Kiev)

## WOODY PLANTS

(see also subdivision under Darvaza Range; Tashkent Mountain, White Russia)

Periodicity of cambium activity in roots and stems of woody plants. A.A. Kozak. Les. bum. i der. prom. 41 no. 2, 145-151 N '66.

## WOODY PLANTS—DISEASES AND PESTS see subdivision under Abkhazian

## WOOL

(see also subdivision under Kazakhstan, Rudny Province)

Carbonization of hairy wool. V.M. Skeriatsev. Nauch.-issl. trudy TSNIISherst' no. 20, 41-72 '65.

Content of protein and interrelation of protein fractions in the blood serum of sheep in connection with the wool yield. M.K. Krut'ov, M.T. Katkov, A.L. Buzhar Vest. sel'khoz. nauk (Kazakh.) 10 no. 1, 65-71 Ja '67.

Technological study of the wool of Kazakhstan sheep. N.S. Lazukov and others. Nauch.-issl. trudy TSNIISherst' no. 20, 3-21 '65.

Wool costume fabrics with synthetic fibers. S. Sakhilov. Sov. tog. 40 no. 12, 11-39 D '66.

## WOOL—GRADING

(see also subdivision under China)

Technological evaluation of imported nonuniform wool and its separation into uniform categories and commercial categories. V.I. Kizlukhin. Nauch.-issl. trudy TSNIISherst' no. 20, 46-47 '65.

## WOOL—TESTING

Instrumental method of taking samples from a bale of wool. S.M. Kizlukhin. Nauch.-issl. trudy TSNIISherst' no. 20, 273-282 '65.

The PZS apparatus for determining the ductility of scoured wool. L.A. Lavishina, S.M. Kizlukhin. Nauch.-issl. trudy TSNIISherst' no. 20, 265-273 '65.

Wear resistance of woolen garment fabrics. L.A. Lavishina, I.S. Murgolov, N.D. Korovina. Nauch.-issl. trudy TSNIISherst' no. 20, 257-265 '65.

## WOOL COMBING

Speed of the revolution of the doffer and the productivity of the roller comb. G.O. Loshchukhin. Nauch.-issl. trudy TSNIISherst' no. 20, 13-17 '65.

Speed of the revolution of the main cylinder and the productivity of the roller comb. G.O. Loshchukhin. Nauch.-issl. trudy TSNIISherst' no. 20, 88-105 '65.

## WOOL INDUSTRY

What is new in the instruction for state deliveries of wool. A. Sidorov. Zakup. sel'khoz. prod. no. 12, 20-32 D '66.

## WOOL INDUSTRY—FINANCE see subdivision under Staraya Kupavna (Moscow Province)

WOOLLEN AND WORSTED MANUFACTURE see subdivision under Grubbs

**WOOLLEN AND WORSTED MANUFACTURE—COSTS**  
Structural manufacturing costs in the wool industry. P. A. Mikhaylov. Nauch.-issl. trudy TSNIISherst. no. 20, 242-243 '65.

**WOOLLEN AND WORSTED MANUFACTURE—PRODUCTION STANDARDS**  
Technical norms for raw wool in the wool industry. A. A. Zhukovskiy. L. I. Ostal'kin. Nauch.-issl. trudy TSNIISherst. no. 20, 248-249 '65.

#### WOOLLEN AND WORSTED SPINNING

Studying the properties of nitron fibers and the technology of conditions of their processing in worsted and wool spinning. N. S. Litvinov. Nauch.-issl. trudy TSNIISherst. no. 20, 116-127 '65.

Studying the properties of yarn produced by the centrifugal method. M. I. Kulagin, A. G. Serdyukova, V. I. Finenko. Nauch.-issl. trudy TSNIISherst. no. 20, 105-116 '65.

#### WORK

Characteristics of work and the development of the new type of workers. V. S. Frolov. Trudy Ik. un., 18, no. 3-4, 116-117 '65.

Correlation of material and moral incentives to work in the five-year plan phase of the building of communism. B. A. Shvachkin, A. B. Krut'nikov. Vest. Mosk. un. Ser. I. Litterat. i. filol., no. 6, 11-22 N-D '66.

Classification and development of the theory of communist labor. A. G. Smol'kov. Trudy Ik. inst. nauch. khor., 1, 1, 27-28 '66.

Work and the moral education of the rising generation. L. I. Novikova. Sov. pedagog., 31, no. 1104-121 Ja '67.

Work as an obligatory requirement and an integral part of the building of socialism. B. F. Khristov. Nauch.-issl. trudy TSNIISherst. no. 20, 105-116 '65.

#### WORK—PSYCHOLOGICAL ASPECTS

Atmosfera pedagogicheskikh nauk RSFSR. Institut vospitaniya (atmosfera) i zaochnykh srednikh shkol. [Inculcation of the Communist attitude toward work in students of evening schools]. Vospitanie komunisticheskogo cheloveka k trudu v uchebnikakh vospitaniya shkol. Bol'sh. L. A. Vygodin. Moskva, Prosveshchenie, 1967. 104 p. (Pedagogicheskie chteniya) (RUC)

Research report for physiologists in industry. I. L. Litkov, M. A. Anisimov, A. K. Koshchuk. Nauch.-issl. trudy TSNIISherst. no. 20, 116-127 '65.

#### WORKBOATS

Technical delivery of a self-propelled floating workshop. A. I. Shvachkin. Sudostroyeniye, 27, no. 1, 50-61 Ja '61.

#### WORK CLOTHES—STANDARDS

Usshi (U.S.S.R.) Gosudarstvennyi komitet standartov. [Clothing for workers]. [Mens' clothing for workers]. Koshim naizhishche dlya goroborachnikov. GOST 10330-64. Izdatel'stvo, Moskva, Izd-vo Standartov, 1964. 15 p. (SSSR Gosudarstvennyi standart)

#### WORKS COUNCILS

(see also subdivision under Saratov Province, White Russia)

Dobrykh, V. Z. [Main headquarters of socialist industry: essays on the history of the All-Russian Council of National Economy, 1917-1932]. Glavnyi shtab sotsialisticheskoi promyshlennosti: ocherki istorii VSNKh, 1917-1932 gg. Moskva, Mysl', 1966. 203 p.

Example work in a trade union group. M. Kovalev. Sov. pedagog., 23, no. 110-113 Ja '67.

Search of the new. A. Zigel'man, G. Belikov. Nauch.-issl. trudy TSNIISherst. no. 20, 116-127 '65.

Work conditions and new demands. I. Orlov. Sov. pedagog., 23, no. 115-118 Ja '67.

#### WORLD FEDERATION OF TRADE UNIONS

Fiftieth anniversary of the World Federation of Trade Unions. A. J. Smirnov. Razved. i. khor. no. 26, no. 8, 55-57 Ag '60.

#### WORLD HISTORY—JUVENILE LITERATURE

W. M. and L. A. Segal. [How man became a giant]. Kak chelovek stal volikanom. Moskva, Dolinskii lit-ra, 1957. 606 p.

#### WORLD POLITICS

Current problems of world politics. Mir. ekon. i mezhdunar. otn., no. 1, 83-102 '67.

For unbreakable peace in the world. IU, Trushin. Agitation, no. 17-18-20 S '62.

From the manuscript of my 60th year. A. I. Leont'ev. Komm. Vozrozh. Sl. 47, no. 1, 81-88 Ja '67.

In the notebooks of propagandists. Mezhdunar. zhizn', 14, no. 2, 155-156 '67.

International notes. Nov. vrem., 25, no. 5, 25-26 Ja '67.

International notes. Nov. vrem., 25, no. 6, 20-30 F '67.

International notes. Nov. vrem., 25, no. 7, 26-27 F '67.

International notes. Nov. vrem., 25, no. 8, 24-25 F '67.

International notes. Nov. vrem., 25, no. 10, 21-24 Mr '67.

Letters to the editor. Nov. vrem., 25, no. 6, 4 F '67.

Letters to the editor. Nov. vrem., 25, no. 9, 15 F '67.

Letters to the editor. Nov. vrem., 25, no. 10, 14 Mr '67.

Our comments. Nov. vrem., 25, no. 6, 1-4 F '67.

People, events, and facts. Az. i. Az. sug., 10, no. 1, 56-59 Ja '67.

World events. Nov. vrem., 25, no. 5, 32 Ja '67.

World events. Nov. vrem., 25, no. 6, 36 F '67.

World events. Nov. vrem., 25, no. 7, 32 F '67.

World events. Nov. vrem., 25, no. 8, 34 F '67.

World events. Nov. vrem., 25, no. 10, 32 Mr '67.

The United Nations facing new problems. V. Shestov. Mezhdunar. zhizn', 14, no. 2, 26-33 '67.

World War, 1939-1945

(see also subdivision under Azerbaijan; Black Sea region; Buryat A.S.S.R.; Kabardin-Balkar A.S.S.R.; Norway; Poland; Rostov District; Sverdlovsk; Smolensk Province; Ukraine; Uzbekistan; Zagorany; White Russia)

Fremeev, L. M. [Through the eyes of our friends and enemies, the role of the Soviet Union in the defeat of fascist Germany]. Glazami drugov i vrugov, o roli Sovetskogo Soyuza v razgome fashistskoj Germanii. Moskva, Nauka, 1966. 271 p. (Vtoraya mirovaya volna v isledovaniyakh, vospominaniyakh, dokumentakh)

Lessons of history. M. Zakharov. Voen. vest. 41, no. 6, 3-8 Je '64.

Macevich, K. [The grain ripened a long time]. Iznabivshisya grudas, Vilnius, Vaga, 1964. 321 p. [In Lithuanian] (MII)

Nomokov's relay. V. Kolesnikov. Sov. voen. 43, no. 24, 23 D '61.

Perechnev, I. G., and I. A. Vinogradov. [Guarding the sea horizons]. Na strazhe morskikh gorizontov. Moskva, Voenizdat, 1967. 303 p.

Spilnev, A. A. [A man from the legend; sketches]. Chelovek iz legendy, ocherki. Moskva, DOSAAF, 1966. 86 p.

Victory of the Soviet Armed Forces in the Great Patriotic War. Komm. Vozrozh. Sl. 17, no. 1, 71-77 Ja '67.

#### WORLD WAR, 1939-1945—AERIAL OPERATIONS

A battle between an armored train and fascist bombers. A. Kozlov. Voen.-ist. zhur., 9, no. 1, 73-74 Ja '67.

Especially important assignment. A. Khorobrykh. Av. kosm., no. 2, 12-16 F '67.

The flight name was Nikolai Baranov. L. Akseprod. Mol. komm., no. 12, 114-115 D '61.

Order of the Patriotic War. A. Danilov. Mol. komm., no. 12, 114-115 D '61.

Winged commissars. I. Shuleiko. Av. kosm., no. 1, 17-19 Ja '67.

Word before the start. A. Anokhin. Av. kosm., no. 1, 60-61 Ja '67.

#### WORLD WAR, 1939-1945—BATTLEFIELDS

Reconnaissance exists still today. B. Kovzan. Mol. komm., no. 10, 1-4 '66.

#### WORLD WAR, 1939-1945—CAMPAIGNS

Sharipov, A. I. [That's the way it was during the war]. Tak bylo na volne. Moskva, DOSAAF, 1966. 109 p. (CS-II)

#### WORLD WAR, 1939-1945—DIPLOMATIC HISTORY

Turkish relations with England and the United States during the Second World War. V. Guseinov. Izv. AN Azerb. SSR. Ser. I, filol. i. prav. no. 3, 41-49 '66.

#### WORLD WAR, 1939-1945—JUVENILE PARTICIPANTS

Their deeds always serve as an example. M. Lebedeva. Nauch. shkola 35, no. 2, 12-14 F '67.

#### WORLD WAR, 1939-1945—PERSONAL NARRATIVES

Along military highways (conclusion). N. Strakhov. Voen.-ist. zhur., 9, no. 1, 63-72 Ja '67.

Letters to the editor. Vop. lat. KPSS 11, no. 2, 110-112 F '67.

Reminiscences of the chief of an operations section (to be continued). I. Bagramian. Voen.-ist. zhur., 9, no. 1, 48-62 Ja '67.

#### WORLD WAR, 1939-1945—PHOTOGRAPHY

Zel'ma, G. Stal'grad, Iul' 1942-Febr' 1943 goda. Stal'grad, Iul' 1942-Febr' 1943. Fotoreportazh Georgia Zel'my. "Tokat Konstantina Simonova. [n.p.] Izd-vo Agentstva pechat' "Novosti" [n.d.] 1 v. (chiefly illus.). [Parallel texts in Russian and English]

#### WORLD WAR, 1939-1945—SECRET SERVICE

A brigade with a special assignment. B. Smagin. Mol. komm., no. 10, 30-31 '66.

#### WORMS, INTESTINAL AND PARASITIC

(see also subdivision under Belkai, Lako; Moldavia; Turkmenistan; Yakutia)

Basic results and prospects of the control of helminthiasis in man in the U.S.S.R. F. G. Sergiev, E. S. Shul'man, I. G. Abramova. Med. paraz. i. paraz. bol. 35, no. 6, 643-652 N-D '66.

New modification of dehelminthization with oxygen in the treatment of some dermatoses in children. P. E. Maslov. Sov. med. 29, no. 11, 114-117 '66.

#### WORT

Characteristics of conversion of nitrogen-containing components of soil in relation to their initial level. E. A. Ventshian. Biol. zhur. Akad. 19, no. 12, 39-45 D '66.

#### WOUNDS

Some methodologies of determining lesions caused by glass. M. V. Rozinov. Sud.-med. ekspert. 9, no. 4, 23-27 O-D '66.

#### WRENCHES

Lowering eight-inch column with UML-3 tongs. F. Sychev. Neft' i. gaz, no. 9, 30 S '66.

#### X-RAY DIFFRACTION EXAMINATION

Bledits, J. [X-rays, prospectors of crystals]. Remgentslar - kristalu izkubi. Riga, Zinatne, 1966. 94 p. [In Latvian]

Electric and optical properties of titanium dioxide films. T. S. Travina, I. A. Mukhin. Izv. vys. uch. zav., fiz. 9, no. 6, 71-80 '66.

Physical nature of steel hardening under the action of light pulses. L. I. Mirkin, N. F. Pilyavskii. Dokl. Akad. SSSR 172, no. 3, 580-581 Ja '67.

Possibilities of method of X-ray topography for studying characteristics of crystal growth. I. V. Kabanovich and others. Min. sbor. 20, no. 4, 571-573 '66.

Refinement of the crystalline structure of diparatoxy disulphide. L. G. Vorontsova, Z. V. Zvonkova, G. S. Zhdanov. Dokl. AN SSSR 172, no. 3, 584-587 Ja '67.

Structural changes in synthetic sodium zeolites of chabazite-gaumontite group. E. E. Sanderov, T. N. Shishakova. Izv. AN SSSR Ser. khim. no. 1, 165-167 Ja '67.

Study of the phase composition of vanadium catalysts by X-ray and electron microscope methods. L. N. Kurina and others. Trudy TGU 185, 103-110 '65.

X-ray diffraction and microstructure study of phase relations in the formation of barium cobalt hexafluoride BaCo<sub>2</sub>Fe<sub>2</sub>O<sub>7</sub>. M. A. Vinnik, A. I. Ignatovskaya, N. N. Semenova. Zhur. neorg. khim. 12, no. 1, 38-43 Ja '67.

X-ray diffraction examination of UMoO<sub>4</sub> and UMoO<sub>4</sub>·H<sub>2</sub>O. V. K. Timonov, O. A. Efremova, L. A. Kozba. Radiofizika 10, no. 6, 717-718 '66.

X-ray diffraction examination of bimetallic carbonyl derivatives and the length of metal-metal bonds in molecules. IU, T. Struchkov and others. Dokl. AN SSSR 172, no. 1, 107-110 Ja '67.

X-ray diffraction study of potassium tetrakisulfate K<sub>2</sub>[B<sub>2</sub>O<sub>3</sub>F<sub>2</sub>O<sub>11</sub>]. V. A. Egorov, L. R. Batsanova. Zhur. neorg. khim. 12, no. 1, 279-280 Ja '67.

#### X-RAY DIFFRACTION EXAMINATION—EQUIPMENT AND SUPPLIES

Use of GUR-3 diffractometer in morphological studies of crystals. K. P. Iamov, L. A. Khosholova. Zap. Vses. min. ob-va 95, no. 6, 755-757 '66.

#### X-RAY SPECTROSCOPY

Studying mutual diffusion in binary systems forming continuous series of solid solutions by the method of local X-ray spectrum analysis. Part I: Systems Fe-Pd, Co-Pd, Ni-Pd, Cu-Pd. I. B. Borovskii, I. D. Makhomora, IU, E. Ugaste. Fiz. met. i. metallov. 22, no. 6, 849-858 D '66.

#### X RAYS—EQUIPMENT AND SUPPLIES

Mounting of a grid with adjustable movement on the RUD-10-150 X-ray apparatus. N. S. Bogdanov, V. V. Kurov. Vest. rent. i. rad. 11, no. 6, 76-77 N-D '66.

#### X RAYS—INDUSTRIAL APPLICATIONS

Radiographic determination of the contact between the clothing and the body. G. S. Ilyeva, D. B. Lermontova, V. G. Ginzburg. Izv. vys. uch. zav., tekhn. i. g. prom. no. 6, 100-104 '66.

#### X RAYS—PHYSIOLOGICAL EFFECT

Bonding and release of ammonia in brain of white rats subjected to X-ray irradiation. A. T. Puklev, T. K. Asipchik. Vest. AN SSSR Ser. biol. nauch. 4, 75-79 '66.

Changes in blood proteins in animals following prolonged fractional X-ray irradiation. A. B. Rusakov, Z. I. Vainer. Med. rad. 11, no. 12, 55 D '66.

Changes in the blood pressure and respiration due to the external action of ionizing radiation. K. Sh. Nadareishvili. Soob. AN Gruz. SSR 27, no. 2, 209-215 Ag '61.

Change in the catalase activity of the blood under the influence of lethal X-ray irradiation. A. A. Tsimov, G. A. Vasil'ev, O. I. Smirnova. Radiobiologiya 2, no. 4, 548-552 '62.

Changes in mitotic activity of axolotl extremity tissues following restoration of regeneration ability inhibited by X rays. S. I. A. Tushkova. Dokl. AN SSSR 172, no. 1, 222-224 Ja '67.

Changes in myotatic reflexes in X-rayed rabbits. Z. M. Gvozdkova. Radiobiologiya 2, no. 4, 573-579 '62.

## WOMEN AS SOLDIERS

Krivich, G.D. [The women snipers of Leningrad] Zhen-shchiny-snaypny Leningrada. Leningrad, Ob-yo "Znaniye" RSFSR, 1966, 39 p.

## WOMEN IN THE TEXTILE INDUSTRY see subdivision under Narva (Estonia)

## WOOD-CHEMISTRY

Concentrate scientific forces on the decisive lines of scientific research. Gidroliz i lesokhimiya prom. 15 no. 3-13 My '62

Continuous hydrolysis of the polysaccharides of plant tissues with 46-48% hydrochloric acid. Report No. 3. Absorption of hydrogen chloride by moist wood. N.V. Chalov, L.L. Leshchinsk, Izv. vys. ucheb. zav., les. zhur. 9 no. 6:139-143 '66

Continuous hydrolysis of the polysaccharides of plant tissues by 46-48% hydrochloric acid. Report No. 6. Thermal treatment of wood saturated by gaseous hydrogen chloride with simultaneous increase of the partial pressure of hydrogen chloride. N.V. Koretsov, N.V. Chalov, Sbor. trud. NIG's 11:180-191 '66

Recovery of vinyl acetate from the residue of acetic acid rectification. I.U. Tsmur, Gidroliz i lesokhimiya prom. 15 no. 5:12-13 My '62

Results of the contest for the best scientific and technical paper. Gidroliz i lesokhimiya prom. 15 no. 5:26 My '62

Scientific Council of the Scientific Research Institute of the Hydrolysis and Sulfate-Distilling Industry. M.L. Kravtsov, Gidroliz i lesokhimiya prom. 15 no. 5:28 My '62

## WOOD-TESTING

Determining the elasticity modulus of wood by the vibration method. L.I. Kondratov, Izv. vys. ucheb. zav., les. zhur. 9 no. 6:97-99 '66

## WOOD, COMPRESSED

Characteristics of molding compounds obtained on the basis of coal tar from the head fraction of lav benzol. E.D. Levin, I.G. Pravdiviy, L.V. Naginskaya, Koks i khim. no. 7:43-45 '62

Wear resistance of machine parts made of compressed wood. N.M. Tarasov, M.M. Podlasan, Izv. vys. ucheb. zav., les. zhur. 9 no. 6:105-108 '66

## WOOD BORERS

The current borer Agilus chrysoides on the "Kommunist" Experimental and Training Farm of the Kharkov Agricultural Institute. E.G. Vaganova, Trudy KHSKH 55:96-101 '66

## WOOD BORERS-EXTERMINATION

Testing some insecticides in controlling current borer beetles during 1964-1965. E.G. Vaganova, Trudy KHSKH 55:102-105 '66

## WOOD-DECAYING FUNGI

Studying biological characteristics of the strains of Ganoderma applanatum (Pers. Pat.) from various trees. P.A. Suvorov, Uch. zap. GGU no. 50:4-17 '59

Studying the resistance of the wood of poplars to the complex of soil inhabiting pests. E.K. Chuiykov, Lis. hosp., 118, pap. 1 der. prom. no. 1:21-26 Ja-F '67

## WOOD ENGRAVING

Book about the Russian popular print. N. Ruz'min, Nov. mir. 36 no. 12:259-261 D '62

## WOOD ENGRAVINGS

Favorskii, V.A. [About artists, creative work, and books] O khudozhnikh, o tvorchestve, o knigakh. [Moskva] Molodaya gvardiya, 1966, 125 p., illus.

## WOOD FINISHING

FE-220 polyethylene drying. E.A. 3:86-90 '66

Method for drying varnish coatings of wood. [a review] Sushka lakokrasochnykh pokrytiy na drevesine, obzor. Riga, Latviskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966, 20 p. (Listok tekhnicheskoi informatsii)

Magnitude of the indices of the refraction of polyester varnishes. B.V. Prokopovich, E.A. Chernikov, Les. bum. i der. prom. no. 3:61-65 '66

Mergin, E., I. Belzler, and J. Post, [Improving production processes in furniture finishing] Uovershenstvovanie proizvodstvennykh protsessov na otdelke mebeli, Riga, Latviskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1966, 13 p. (Listok tekhnicheskoi informatsii. Derevozobratyvalushchala i bumazhnaya promyshlennost')

Method for determining the porosity of varnish coatings applied to wood. M.P. Gorenkov, Izv. vys. ucheb. zav., les. zhur. 9 no. 6:93-96 '66

Technology of the preparation and the optical and mechanical characteristics of coating materials for studying average plastic deformations. V.N. Bil'tikov, Izv. vys. ucheb. zav., les. zhur. 9 no. 6:102-104 '66

Studying the process of bubbling in varnish flow-coating. B.V. Prokopovich, Les. bum. i der. prom. no. 3:61-61 '66

## WOOD PRESERVATIVES

A new antiseptic. I.N. Nish, T.D. Ponom, Pat. i prikl. khim. 10 no. 9:13-15 '66

## WOODPULP

Manufacture of high-yield sulfate woodpulp from poplar. I. Daut, I. Kobol, D. Hering, Bum. prom. 37 no. 5:3-6 My '62

## WOODPULP-MICROBIOLOGY

Contamination of commercial bleached woodpulp by microorganisms. I. I. Lebedeva, A.A. Konvalova, Bum. prom. no. 12:19-14 D '66

Investigating the causes of woodpulp deterioration during storage. E.P. Oshchepkova, Bum. prom. 37 no. 5:21-22 My '62

## WOODPULP INDUSTRY

Change of the supramolecular structure of cellulose during sulfite and sulfate cooking. E.D. Ponomov, V.I. Sharikov, Bum. prom. no. 13:5-5 Ja '67

Concerning the article "Tradition or necessity" A.V. Matanov, N.G. Nipol'skii, Bum. prom. no. 1:23 Ja '67

Cooking chips with a liquor prepared with a combined base. Kh. V. Yun, Bum. prom. no. 12:12-11 D '66

Destruction on "Attis" filter. R. A. Lepitkain, Z. M. Bashkiseva, Bum. prom. no. 1:12-13 Ja '67

New progressive technology of the causticization of green liquor. B. M. Chupin, Bum. prom. no. 1:27 Ja '67

Reducing reactions in sulfate cooking. I.U. A. Gugin, Izv. vys. ucheb. zav., les. zhur. 9 no. 6:127-129 '66

Studying the process of the saturation of wood by cooking liquor prepared with calcium and sodium bases. A.D. Buevskaia, I.U. N. Nepenin, Bum. prom. no. 12:3-8 D '66

Sulfate pulp from the wood of pine stumps and roots. A.P. Matushkina, M.I. Ageeva, L.V. Skvortsova, Bum. prom. no. 12:10-11 D '66

Utilization of secondary waste heat. B.N. Sokolov, B.I. Freiman, Bum. prom. 37 no. 5:22-23 My '62

## WOODPULP INDUSTRY-BY-PRODUCTS

Characteristics of yeasts used for the production of protein feeds from woodpulp industry wastes. T.N. Semushina, N.I. Monakhova, Gidroliz i lesokhimiya prom. 15 no. 5:17-10 My '62

## WOODPULP INDUSTRY-EQUIPMENT AND SUPPLIES

Cooking unit "Pandora." Bum. prom. no. 1:32 Ja '67

First steps. B. Gorbavskii, Na stroi Ros. 9 no. 3:24 Mr '64

Inclined "Gorka" screen. A.L. Avdeev, Bum. prom. 37 no. 5:24 My '62

Seminars for digester liners. B.V. Lopatin, Bum. prom. no. 12:14 D '66

Static converters in the electric drive of pulp grinders. O.E. Teibilo, Bum. prom. no. 1:10-11 Ja '67

## WOOD TAR

Soluble wood tar as corrosion inhibitor for ferrous metals. D.V. Zheltukhin, Gidroliz i lesokhimiya prom. 15 no. 5:11 My '62

## WOOD-USING INDUSTRIES

(see also subdivision under Andizhan, Kirov; Ukraine)

Textbook on the economics of the wood chemistry and hydrolysis industry. M.I. Galperin, I.G. Urvov, Gidroliz i lesokhimiya prom. 15 no. 5:31-31 My '62

## WOOD-USING INDUSTRIES-EQUIPMENT AND SUPPLIES

Arrangement of the equipment of wood-chemistry industries and the industrialization of the operations for its assembly and installation. B.T. Pavlov, Gidroliz i lesokhimiya prom. 15 no. 5:20-30 My '62

## WOOD WASTE

Adjustment of the DKV-0,5 boiler unit with high-speed combustion furnace for the burning of wood waste. B.B. Sternin, P.A. Efremov, A.F. Tikhonov, Energomashinostroyeniye 6 no. 9:37-38 S '60

Ginzburg, B.A. [Using low-grade lumber wastes in making mass-produced consumer goods] Ispol'zovanie otkhodov nizkotsortnykh pilomaterialov dlia izgotovleniya izdelii shirokogo potrebleniia, [Moskva, Tsentr. bluro tekhn. informatsii, 1957] 18 p. (OrCS)

Sawdust for the manufacture of high-yield hemicellulose and cellulose. E. Shvartshtein and others, Bum. prom. 37 no. 5:7-10 My '62

Shkirla, T.M. [Using the wood of beech branches and tree tops in the making of bent furniture] Ispol'zovanie drevesiny bukovykh such'ev i verkhniy dlia izgotovleniya izdelii knutok mebeli, L'vov, L'vovskii lesotekhn. in-t, 1958, 18 p. (OrCS)

## WOOD WASTE-ECONOMIC ASPECTS

Economic effectiveness of the industrial processing of wood waste. E.A. Oksanich, Les. bum. i der. prom. no. 3:41-51 '66

Evaluating wood waste in determining the economic effectiveness of its processing. I.I.A. Oksanich, Les. bum. i der. prom. no. 3:31-41 '66

## WOODWORK

A vanity shop. L.P. Antonov, Shkola i proizv. 10 no. 10:50-51 O '66

## WOODWORK (MANUAL TRAINING)

The cutting of dovetail. M.D. Lavin, N.M. Bokhin, Shkola i proizv. 10 no. 12:19 D '66

## WOODWORKING INDUSTRIES

(see also subdivision under Butsk, Irkutsk Province, White Russia)

Varalov, I.U. M., K.S. Klykov, and V.B. Pichovskii, [Means for the automation of sawmilling and woodworking production] Sredstva avtomatizatsii lesopil'no-derevo-obrabatnyvushchikh proizvodstv Moskva, Lesnaya promyshl., 1967, 354 p.

## WOODWORKING MACHINERY

(see also subdivision under Stuy region, Ukraine)

Formation of wood particles and the quality of processing as related to the blunting of a cutting instrument. P. A. Novoski, Les. bum. i der. prom. no. 3:25-31 '66

Leont'ev, I.I. [All-purpose machine for bonding and pressing furniture parts] Universalnyi stanok dlia gnut'ia i pressovaniia mebel'nykh detalей, [Moskva] TSentr. bluro tekhn. informatsii [1957] 10 p. (OrCS)

New design of the chopper knife. I. S. Medvedeva, Gidroliz i lesokhimiya prom. 15 no. 5:22 My '62

Raising the level of engineering efficiency of electric control systems for woodworking machines. I. V. Ginturuk, Tekhn. i nauch. prod. v. no. 6:24-25 N-D '61

## WOODWORKING MACHINERY-HYDRAULIC DRIVE

Determining the efficiency and economic aspects of the hydraulic drive of the equipment of the lumbering and woodworking industry. M.I. Baian, Les. bum. i der. prom. no. 3:3-11 '66

## WOODWORKING MACHINERY-HYDRAULIC EQUIPMENT

(see subdivision under Kiev)

## WOODY PLANTS

(see also subdivision under Darvaza Range; Tselin Mountains; White Russia)

Periodicity of cambium activity in roots and stems of woody plants. A. A. Kandelaki, Soob. AN Gruz. SSR 44 no. 2:445-451 N '66

## WOODY PLANTS-DISEASES AND PESTS see subdivision under Abkhazia

## WOOL

(see also subdivision under Kazakhstan; Rostov Province)

Carbonization of burry wool. V. M. Sherstnev, Nauch.-issled. study TSNIIShersti no. 20:71-72 '65

Content of protein and interrelation of protein fractions in the blood serum of sheep in connection with their wool yield. M.K. Krotov, M.T. Krikov, A.L. Badrikova, Vent. sel'khoz. nauki [Kazakh], 10 no. 1:60-71 Ja '67

Technological study of the wool of Kazakh sheep. N. S. Lazukov and others, Nauch.-issled. study TSNIIShersti no. 20:3-21 '65

Wool costume fabrics with synthetic fibers. S. S. Shikhov, Sov. tor. 40 no. 12:37-39 D '66

## WOOL-GRADING

Technological evaluation of imported nonuniform wool and its adaptation into medium-narrow and coarse categories. V. I. Kizukhina, Nauch.-issled. study TSNIIShersti no. 20:36-47 '65

## WOOL-TESTING

Instrumental method of taking samples from a bale of wool. S. M. Kirilukhin, Nauch.-issled. study TSNIIShersti no. 20:273-282 '65

The PCS apparatus for determining the dustiness of sorted wool. L. A. Lavishina, S. M. Kirilukhin, Nauch.-issled. study TSNIIShersti no. 20:265-273 '65

Wool resistance of women garment fabrics. L. A. Lavishina, I. S. Margolin, N. P. Kozina, Nauch.-issled. study TSNIIShersti no. 20:257-265 '65

## WOOL COMBING

Speed of the revolution of the doffer and the productivity of the roller comb, G. O. Lazebukh, Nauch.-issled. study TSNIIShersti no. 20:73-87 '65

Speed of the revolution of the main cylinder and the productivity of the roller comb, G. O. Lazebukh, Nauch.-issled. study TSNIIShersti no. 20:88-105 '65

## WOOL INDUSTRY

What is new in the instruction for state deliveries of wool. A. Sidorov, Zakup. sel'khoz. prod. no. 12:20-32 D '66

## WOOL INDUSTRY-FINANCE see subdivision under Staraya Kupavna (Moscow Province)



WOOLLEN AND WORSTED MANUFACTURE—see subdivision under *Grodno*

#### WOOLLEN AND WORSTED MANUFACTURE—COSTS

Costs of manufacturing costs in the wool industry. F. A. Mikhaylov. Nauch.-issled. trudy PSNShenst. no. 26 242-251 '65.

#### WOOLLEN AND WORSTED MANUFACTURE—PRODUCTION STANDARDS

Technical norms for raw wool in the wool industry. A. A. Zhuravskiy, I. I. Ilyushin. Nauch.-issled. trudy TSShSov. no. 20 248-249 '65.

#### WOOLLEN AND WORSTED SPINNING

Changing the properties of cotton fibers and the technological conditions of their processing in woolen and worsted spinning. N. S. Ilyukova. Nauch.-issled. trudy TSShSov. no. 10 116-117 '65.

Physical properties of yarn produced by the centrifugal method. M. I. Kalyagina, A. G. Serdyukova, V. I. Eshenko. Nauch.-issled. trudy PSNShenst. no. 10 109-116 '65.

#### WORK

Changed nature of work and the development of the new type of workers. V. S. Potokhin. Trudy Irkutsk. no. 10 104-116 '65.

Correlation of material and moral incentives to work in the present-day phase of the building of communism. B. A. Shchegolev, A. I. Kuznetsov. Vest. Mosk. un. Ser. S. Filoz. 21 no. 641-642 N-D '66.

Classification and development of the theory of communist labor. V. G. Smol'tsov. Trudy Irkutsk. nat. khoz. no. 27 5-249 '66.

Work and the moral education of the rising generation. L. I. Zhukova. Sov. pedagog. 11 no. 1101-1121 Ja '67.

Work as an obligatory requirement and an integral part of the social status of Soviet citizens. B. P. Khramov. Vest. Irkutsk. 21 no. 24 100-116 '66.

#### WORK—PHYSIOLOGICAL ASPECTS

Aspekty fiziologicheskikh nauk RSISSR. Institut vochovo-akademicheskikh i nauchnykh issledovaniy shkol. [Inculcation of the Communist attitude toward work in students of evening schools] Vospitanie kommunisticheskogo cheloveka k trudu v uchastii shkolnykh vecherних shkol. Pod red. L. A. Vysotskoi. Moskva, Prosveshchenie, 1964. 114 p. (Pedagogicheskie chitaniya) (NIC)

Is the need for physiologists in industry? G. I. Lukov, M. A. Lukov, A. K. Khamanov. Sborn. trud. 32 no. 1: 1-10 Ja '67.

#### WORKBOATS

Design and delivery of a self-propelled floating workshop. V. M. Shchegolev. Sudostroyeniye 27 no. 150-161 Ja '61.

#### WORK CLOTHES—STANDARDS

Husaini (U. S. S. R.). Gosudarstvennyi komitet standartov. [Men's clothing for working] Kostiim muzhchinskii gornorabochikh. GOST 1334-64. Izd. offtsin'ts. Moskva, Izd-vo Standartov, 1964. 15 p. (SSSR Gosudarstvennyi standart)

#### WORK COUNCILS

(see also subdivision under Saratov Province; White Russia)

Trubnikov, V. V. [Main headquarters of socialist industry: essays on the history of the All-Russian Council of National Economy, 1917-1932] Glavnyi shtab sotsialisticheskoi promyshlennosti: ocheiki istorii VSNKh, 1917-1932 gg. Moskva, Mynp, 1960. 203 p.

Work and work in a trade union group. M. Kovalenko. Sov. profsoyuzy 23 no. 110-113 Ja '67.

In search of the new. A. Zigel'man, G. Belikovich. Sov. profsoyuzy 10 no. 12 24-26 D '66.

New conditions and new demands. I. Orlov. Sov. profsoyuzy 23 no. 1, 6-8 Ja '67.

#### WORLD FEDERATION OF TRADE UNIONS

Fiftieth anniversary of the World Federation of Trade Unions. A. I. Smolinov. Razved. i okh. nedr. 26 no. 8: 51-57 Ag '66.

#### WORLD HISTORY—JUVENILE LITERATURE

Ilin, M. I., and E. A. Segal. [How man became a giant] Kak chelovek stal velikim. Moskva, Detskaya lit-ra, 1967. 600 p.

#### WORLD POLITICS

Current problems of world politics. Mir, okon. i mezhduznat. 26 no. 2 63-102 '67.

For unbreakable peace in the world. IU. Trushin. Agitator 17-18-20 S '62.

From the summit of our 50th year. A. I. Leonov. Komm. Vooruzh. Sil 47 no. 1 61-86 Ja '67.

In the notebooks of propagandists. Mezhdunar. zhizn' 14 no. 2 155-158 '67.

International notes. Nov. vrem. 25 no. 5: 25-26 Ja '67.

International notes. Nov. vrem. 25 no. 6: 20-21 F '67.

International notes. Nov. vrem. 25 no. 7: 26-27 F '67.

International notes. Nov. vrem. 25 no. 8: 24-25 F '67.

International notes. Nov. vrem. 25 no. 10: 23-24 Mr '67.

Letters to the editor. Nov. vrem. 25 no. 6: 4 F '67.

Letters to the editor. Nov. vrem. 25 no. 9: 15 F '67.

Letters to the editor. Nov. vrem. 25 no. 10: 14 Mr '67.

Comments. Nov. vrem. 25 no. 6: 1-4 F '67.

People, events, and facts. Az. i Afr. seg. 10 no. 1 56-58 Ja '67.

World events. Nov. vrem. 25 no. 5: 32 Ja '67.

World events. Nov. vrem. 25 no. 6: 36 F '67.

World events. Nov. vrem. 25 no. 7: 32 F '67.

World events. Nov. vrem. 25 no. 8: 34 F '67.

World events. Nov. vrem. 25 no. 10: 32 Mr '67.

The United Nations facing new problems. V. Shestov. Mezhdunar. zhizn' 11 no. 2: 26-33 '67.

World War, 1939-1945 (see also subdivision under Azerbaijan, Black Sea region; Daryat A. S. S. R.; Kakhordino-Balkar A. S. S. R.; Norway, Poland, Rasmelin District, Svalbard, Lithuania, Smolensk Province, Ukraine, Uzbekistan, Zagorany, White Russia)

Elmencev, L. M. [Through the eyes of our friends and enemies: the role of the Soviet Union in the defeat of fascist Germany] Glazami drugov i vragov, o roli Sovetskogo Soyuza v razgromy (fashistskoi Germanii). Moskva, Nauka, 1966. 271 p. (Vtoraya mirovaya voyna v issledovaniakh, vospominaniakh, dokumentakh)

Elements of history. M. Zakharov. Voen. vest. 41 no. 5: 3-8 Fe '61.

Macovicius, K. [The grain ripened a long time] Dgal umintas grudas. Vilnius, Vaga, 1964. 321 p. [In Lithuanian] (MII)

Nemolovaya relay. V. Kolesnikov. Sov. voen. 43 no. 24 21 D '61.

Perel'mov, I. U. G., and I. U. A. Vinogradov. [Guarding the sea horizons] Na strazhe morskikh gorizontov. Moskva, Voenizdat, 1967. 303 p.

Shil'mov, A. A. [A man from the legend; sketches] Chelovek iz legendy, chechki. Moskva, DOSAAF, 1966. 86 p.

Victory of the Soviet Armed Forces in the Great Patriotic War. Komm. Vooruzh. Sil 17 no. 1: 71-77 Ja '67.

World War, 1939-1945—AERIAL OPERATIONS

A battle between an armored train and fascist bombs. A. Kuznetsov. Voen.-ist. zhur. 9 no. 1 73-74 Ja '67.

Especially important assignment. A. Khorebrykh. Av. i kosm. no. 2: 1-16 F '67.

The flight name was Nikolai Batanov. L. Aksel'rod. Mol. komm. no. 12: 11-15 D '61.

Order of Lenin of the Communist Andrey Danilov. N. Shimanov. Av. i kosm. no. 2 79-82 F '67.

Winged commissars. L. Shuleiko. Av. i kosm. no. 1: 17-10 Ja '67.

World before the storm. A. Anokhin. Av. i kosm. no. 1: 66-69 Ja '67.

World War, 1939-1945—BATTLEFIELDS

Remembrance exists still today. B. Kovzina. Mol. komm. no. 10: 1-1 '66.

World War, 1939-1945—CAMPAIGNS

Sharlov, A. I. [That's the way it was during the war] Tak bylo na voine. Moskva, DOSAAF, 1966. 109 p. (CSI-II)

World War, 1939-1945—DIPLOMATIC HISTORY

Tin-kish relations with England and the United States during the Second World War. V. Guseinov. Izv. AN Azim. SSR, Ser. Ist., filoz. i prava no. 3: 11-40 '66.

World War, 1939-1945—JUVENILE PARTICIPANTS

Their deeds always serve as an example. M. Lebedeva. Nuch. shkola 35 no. 2: 12-14 F '67.

World War, 1939-1945—PERSONAL NARRATIVES

Along military highways (conclusion). N. Strakhov. Voen.-ist. zhur. 9 no. 1 63-72 Ja '67.

Letters to the editor. Vop. ist. KPSS 11 no. 2: 110-112 F '67.

Reminiscences of the chief of an operations section (to be continued). I. Bagramian. Voen.-ist. zhur. 9 no. 1: 18-62 Ja '67.

World War, 1939-1945—PHOTOGRAPHY

Zel'man, G. Stalingrad, Iul' 1942-Iyul' 1943 goda. Stalingrad, Iyul' 1942-Iyul' 1943. Fotoreportazh Georgiya Zel'my. Tekst Konstantina Shimonov. [n. p.] Izd-vo Agentstva pechat' "Novosti" [n. d.] 1 v. (chiefly illus.) [Parallel texts in Russian and English]

World War, 1939-1945—SECRET SERVICE

A brigade with a special assignment. B. Smagin. Mol. komm. no. 10: 29-31 '66.

WORMS, INTESTINAL AND PARASITIC (see also subdivision under Balkan, Lako; Moldavia; Turkmenistan; Yakutia)

Basic results and prospects of the control of helminthiasis in man in the U. S. S. R. P. G. Sergiev, E. S. Smul'man, I. G. Abramova. Med. paraz. i paraz. hol. 35 no. 6: 643-652 N-D '66.

New modification of dehelminthization with oxygen in the treatment of some dermatoses in children. P. E. Maslov. Sov. med. 29 no. 11 114-117 N '66.

#### WORT

Characteristics of conversion of nitrogen-containing components of wort in relation to their initial level. E. A. Mantashian. Biol. zhur. Arm. 19 no. 12 39-45 D '66.

#### WOUNDS

Some methodological problems of determining lesions caused by glass. M. V. Rozinov. Sud.-med. ekspert. 9 no. 1 23-27 O-D '66.

#### WRENCHES

Lowering eight-inch columns with UMK-3 tongs. F. Sychev. Neftefik. 11 no. 9 30 S '66.

#### X-RAY DIFFRACTION EXAMINATION

Biedelis, J. [X-rays, prospectors of crystals] Rentgenstari - kristalu izluki. Riga, Zinatne, 1966. 94 p. [In Latvian]

Electric and optical properties of titanium dioxide films. T. S. Tsyayna, I. U. A. Mukhin. Izv. vuz. ucheb. zav., fiz. 9 no. 6: 74-80 '66.

Physical nature of steel hardening under the action of light pulses. L. I. Mirkin, N. F. Filipetskii. Dokl. AN SSSR 172 no. 3: 550-553 Ja '67.

Possibilities of method of X-ray topography for studying characteristics of crystal growth. L. V. Kabanov and others. Mnt. sbor. 20 no. 4: 571-573 '66.

Refinement of the crystalline structure of diparatoxyl disulphide. L. G. Vorontsova, Z. V. Zvonova, G. S. Zhdanov. Dokl. AN SSSR 172 no. 3: 584-587 Ja '67.

Structural changes in synthetic sodium zeolites of chabazite-gmelinite group. E. E. Senderov, T. N. Shchekava. Izv. AN SSSR Ser. Khim. no. 1: 165-167 Ja '67.

Study of the phase composition of vanadium catalysts by X-ray and electron microscope methods. L. N. Kurina and others. Trudy TGU 185 103-110 '65.

X-ray diffraction and microstructure study of phase relations in the formation of barium cobalt neoferrite. BaCo<sub>2</sub>Fe<sub>2</sub>O<sub>7</sub>. M. A. Vinnik, A. I. Yegorova, N. N. Semenov. Zhur. neorg. Khim. 12 no. 1: 38-43 Ja '67.

X-ray diffraction examination of α-UMgO<sub>2</sub> and α-ThMgO<sub>2</sub>. V. K. Tsyunova, O. A. Efremova, L. M. Kovba. Radiochimika no. 6: 717-718 '66.

X-ray diffraction examination of metal-metal bonds in molecules. I. U. T. Struchkov and others. Dokl. AN SSSR 172 no. 1: 107-110 Ja '67.

X-ray diffraction study of potassium tetrafluoroborate K<sub>2</sub>[B<sub>3</sub>O<sub>3</sub>F<sub>3</sub>OH]. V. A. Egorov, L. R. Batanova, Zhur. neorg. Khim. 12 no. 1: 279-280 Ja '67.

#### X-RAY DIFFRACTION EXAMINATION—EQUIPMENT AND SUPPLIES

Use of GUR-3 diffractometer in morphological studies of crystals. K. P. Iamulov, L. A. Khoroshilova. Zap. Vses. min. ob-va 95 no. 6: 755-757 '66.

#### X-RAY SPECTROSCOPY

Studying mutual diffusion in binary systems forming continuous series of solid solutions by the method of local X-ray spectrum analysis. Part I: Systems Fe - Pd. Cu - Pd. Ni - Pd. Cu - Pd. I. B. Bozovskii, I. D. Matchukova, I. U. E. Ugaste. Fiz. met. i metalloved. 22 no. 6: 849-858 D '66.

X-RAY SPECTROSCOPY

Mounting of a grid with adjustable movement on the RUD-110-150 X-ray apparatus. N. S. Bogdanov, V. V. Kurov. Vest. rent. i rat. 11 no. 6: 76-77 N-D '66.

X-RAY SPECTROSCOPY

X RAYS—INDUSTRIAL APPLICATIONS

Radiographic determination of the contact between the clothing and the body. G. S. Mlova, D. B. Lermontova, V. G. Ginzburg. Izv. vuz. ucheb. zav., tekhn. i g. prom. no. 6: 100-104 '66.

X RAYS—PHYSIOLOGICAL EFFECT

Bonding and release of ammonia in brain of white rats subjected to X-ray irradiation. A. TSPikutev, T. K. Asipchik. Vests. AN BSSR. Ser. biol. nav. no. 4: 75-78 '66.

Changes in blood proteins in animals following prolonged fractional X-ray irradiation. A. B. Rusakov, Z. I. Vainer. Med. rad. 11 no. 2: 55 D '66.

Changes in the blood pressure and respiration due to the external action of ionizing radiation. K. Sh. Nadareishvili. Soob. AN Gruz. SSR 27 no. 2: 209-215 Ag '61.

Change in the catalase activity of the blood under the influence of lethal X-ray irradiation. L. A. Tjanov, G. A. Vasil'ev, O. I. Smirnova. Radiobiologiya 2 no. 4: 548-552 '62.

Changes in mitotic activity of axolotl extremity tissues following restoration of regeneration ability inhibited by X rays. S. I. A. Tschukova. Dokl. AN SSSR 172 no. 1: 222-224 Ja '67.

Changes in myoelectric reflexes in X-rayed rabbits. Z. M. Gvozdkova. Radiobiologiya 2 no. 4: 573-578 '62.

## X RAYS—PHYSIOLOGICAL EFFECT (Continued)

Effect of ionizing radiation on the activity of function of the thyroid gland in rats. K. V. Nedarchinskii, O. I. Yankovskii. *Sov. AN Gruz. SSR* 14 no. 3 741-748 D '66.

Effect of ionizing radiation on high-polymer RNA of Ehrlich's ascitic cancer cells. L. S. Mikhlin, I. M. Shapiro. *Radiobiologia* 2 no. 4 500-524 '62.

Effect of ionizing radiation on the adenosinetriphosphatase activity of erythrocyte membrane. G. V. Chitko. *Sov. AN Gruz. SSR* 27 no. 3 157-164 '61.

Effect of X-ray irradiation on the growth of bones under experimental conditions. A. M. Stazko, S. V. Shtein. *Med. rad.* 12 no. 1 62-67 Ja '67.

Effect of X-rays on the course of vaccinal processes and on the intensity of immunity following antituberculous immunization. R. V. Selezneva. *Med. rad.* 7 no. 10 68 69 U '62.

Effect of X-rays on the development of embryos and placentas in rats following irradiation on the 9th day of pregnancy. A. P. Nifonov. *Bliz. eksp. biol. i med.* 63 no. 1 85-88 Ja '67.

Effect of X-rays on the natural resistivity and the formation of active immunity to the smallpox vaccine virus in rabbits. L. A. Kanaškin. *Radiobiologia* 2 no. 4 586-589 '62.

Immunological properties of denaturated blood serum proteins of rabbits subjected to ionizing radiation. L. G. Prokopenko. *Radiobiologia* 2 no. 4 580-585 '62.

Mechanism of the effect of irradiated thyroid gland on the thyroid cortex. I. N. Kondratyeva. *Radiobiologia* 2 no. 4 569-572 '62.

Protective action of phenazine and mercapime on the development of the scleral papillae of the eye in a chick embryo following X-ray irradiation. V. F. Puchkov. *Radiobiologia* 2 no. 1 611-615 '62.

Radiosensitivity and the course of radiation sickness in various rodent species following irradiation in LD 50/30 and LD 100/30 doses. M. A. Begadze. *Sov. AN Gruz. SSR* 14 no. 3 749-756 D '66.

Relationship between radiobiological effect and incubation of silk worm eggs. I. A. G. Aphalaia. *Sov. AN Gruz. SSR* 14 no. 3 727-734 D '66.

## X RAYS—SCATTERING

Thermal diffuse scattering of X-rays by hexagonal close-packed polycrystals. E. P. Geimanov, O. N. Shvritin. *Lzv. vys. učeb.-zav. fiz.* 9 no. 6 135-138 '66.

## X RAYS—THERAPEUTIC USE

Radiosensitizing effect of methylthylketone diperoxide in X-ray irradiation of lymphosarcoma in white rats. L. A. Tumov and others. *Med. rad.* 12 no. 1 91-92 Ja '67.

## XANTHOMONAS see subdivision under Ukraine

## XENON—SPECTRA

Separation of nuclear isomers of xenon 133. V. D. Nefedov and others. *Radiokhimiya* no. 6 714-716 '66.

## XENON ISOTOPES

Study of regional ventilation and blood flow in lungs by means of  $Xe^{133}$ . K. D. Kitanatov and others. *Med. rad.* 11 no. 12 14-20 D '66.

## XENON OXIDES

Study of chemical transformations as a result of  $\beta$ -decay of  $Xe^{131}$  of iodobenzene. V. D. Nefedov and others. *Radiokhimiya* no. 6 719-720 '66.

## XENOTIME see subdivision under Asia, Central

## YACHT BUILDING

Designing the hull of metal yachts. D. A. Kurbatov. *Sudostroenie* 27 no. 1 41-47 Ja '61.

## YAKUTIA—CHEMICAL ELEMENTS

Paraelements of kimberlite pipes of Yakutia. N. T. Uklonskaya. *Nauch. trudy TashGU* no. 234 Geol. nauki no. 20 62-67 '64.

## YAKUTIA—CULTURAL PROPERTY, PROTECTION OF

The main subject. E. Artem'ev. *Part. zhizn'* no. 4 17-18 F '67.

## YAKUTIA—DRAINAGE

Stoey, L. N. [Hydraulic structures for agriculture in central Yakutia]. *Gidrotekhnicheskoe sooruzheniya dlia sel'skogo khoziaistva Tsentral'noi Iakutii*. Iakutsk, Iakutskoe knizhnoe izd-vo, 1963. 52 p.

## YAKUTIA—FOLK DANCING

Khomitskaya, M. A. [A study of the traditional dances of the peoples of Yakutia]. *Opyt izucheniia traditsionnykh tantsev narodov Iakutii*. Moskva, 1964. 10 p. (International congress of anthropological and ethnological sciences, 7th, Moscow, 1964. [Papers, no. 21])

## YAKUTIA—FRANCKEITE

Find of frankelite in Yakutia. V. V. Ivanov, O. E. Ushko-Zakharova. *Trudy INGRE* no. 4 131-135 '60.

## YAKUTIA—FUR-BEARING ANIMALS

Characteristics of the hunting grounds of land and forest furbearers in northeastern Yakutia. B. V. Mikhailovskii. *Nauch. soob. IAFAN SSSR* no. 8 79-89 '62.

Fur trade resources in the northeastern regions of Yakutia. V. A. Tsvetkovskii. *Nauch. soob. IAFAN SSSR* no. 6 68-74 '62.

## YAKUTIA—GEOLOGY, STRATIGRAPHIC

Correlation of cross sections of Upper Precambrian of western part of Verkhnyansk Range and Uchur-Malik regions. B. G. Volonov and others. *Dokl. AN SSSR* 171 no. 4 927-930 D '66.

## YAKUTIA—IRRIGATION

Stoey, L. N. [Hydraulic structures for agriculture in central Yakutia]. *Gidrotekhnicheskoe sooruzheniya dlia sel'skogo khoziaistva Tsentral'noi Iakutii*. Iakutsk, Iakutskoe knizhnoe izd-vo, 1963. 52 p.

## YAKUTIA—ISOMORPHISM (CRYSTALLOGRAPHY)

Isomorphic series of V. I. Verpudskii in kimberlite pipes of Yakutia. N. T. Uklonskaya. *Nauch. trudy TashGU* no. 234 Geol. nauki no. 20 57-61 '64.

## YAKUTIA—KIMBERLITE

Genesis of stannum minerals in kimberlite pipes in western Yakutia. I. P. Ilupin. *Trudy Min. muz.* no. 12 212-217 '61.

Isomorphic series of V. I. Verpudskii in kimberlite pipes of Yakutia. N. T. Uklonskaya. *Nauch. trudy TashGU* no. 234 Geol. nauki no. 20 57-61 '64.

Paraelements of kimberlite pipes of Yakutia. N. T. Uklonskaya. *Nauch. trudy TashGU* no. 234 Geol. nauki no. 20 62-67 '64.

Practice of using the induction method in containing kimberlite pipes in a place. G. D. Balakshin, P. N. Men'shikov. *Raved. i okh. nedr.* 26 no. 8 53-54 Ag '60.

## YAKUTIA—PARASITES—GROUND SQUIRRELS

Composition and distribution of the helminths of the long-tailed suslik (*Citellus undulatus*) in Yakutia. N. M. Gubanov, I. U. V. Labutin. *Nauch. soob. IAFAN SSSR* no. 6 111-116 '62.

## YAKUTIA—PASTURES AND MEADOWS—IRRIGATION

Condition of basin snow-water irrigation of meadows in Central Yakutia. A. I. Denin. *Nauch. soob. IAFAN SSSR* no. 8 63-68 '62.

## YAKUTIA—REINDEER BREEDING

The needs of reindeer breeders. N. Semenov. *Part. zhizn'* no. 3 67-68 F '67.

## YAKUTIA—SABLES—FEEDING AND FEEDS

Experiment in feeding artificially introduced saibles. M. S. Mel'nikov. *Nauch. soob. IAFAN SSSR* no. 8 89-96 '62.

## YAKUTIA—SEISMOLOGY

Kochetkov, V. M. [Seismicity of Yakutia]. *Seismichnost' Iakutii*. Moskva, Nauka, 1960. 80 p.

## YAKUTIA—STRONTIUM

Genesis of stannum minerals in kimberlite pipes in western Yakutia. I. P. Ilupin. *Trudy Min. muz.* no. 12 212-217 '61.

## YAKUTIA—WORMS, INTESTINAL AND PARASITIC

Composition and distribution of the helminths of the long-tailed suslik (*Citellus undulatus*) in Yakutia. N. M. Gubanov, I. U. V. Labutin. *Nauch. soob. IAFAN SSSR* no. 8 111-116 '62.

## YAKUTSK—SOILS

Characterization of the soils of Yakutsk. L. G. Elvovskaya. *Nauch. soob. IAFAN SSSR* no. 8 35-38 '62.

## YANA RIVER—FISHES—FOOD

Ecological data on the food of fishes in the Yana River basin. E. A. Streletskaia. *Nauch. soob. IAFAN SSSR* no. 8 107-110 '62.

## YANA RIVER—WHITEFISHES

Morphological and biological characteristics of the Siberian herring (*Coregonus sardinella*) of the Yana River. D. A. Lepeshkin. *Nauch. soob. IAFAN SSSR* no. 8 97-102 '62.

Whitefish *Coregonus tugun* of the Yana River. A. S. Novikov. *Nauch. soob. IAFAN SSSR* no. 8 103-100 '62.

## YANGTZE VALLEY—AGRICULTURE

"Development of agriculture in the lower reaches of the Yangtze River in the period of the Sui and Tang dynasties" by Shih Nien-hai. Abstract from "Jen wen tsa chih" no. 1 1960 by R. N. Silacheva. *Sov. kit. lit. po obschestv. naukam* no. 42 66-71 '61.

## YAREGA REGION (KOMI A.S.S.R.)—OIL WELLS—SAFETY MEASURES

Industrial testing of PZhV-20 ammonite in mines of Yarega Petroleum deposits. V. L. Baron. *Vzryv. delo* no. 60 17:158-159 '66.

## YARN

Determining the properties of knitted yarn on the basis of empirical formulae. M. I. Fedosin, A. M. Kuznetsov. *Nauch.-issled. trudy TashGU* 22 184-197 '66.

## YAROSLAVL

Yaroslavl, city on the upper Volga. V. B. Zolotarev. *Gor. khoz. Mosk.* 11 no. 1 37-39 Ja '67.

## YAROSLAVL—BOOKSTORES

Work with old editions. V. Abramov. *Trudy TashGU* 17 no. 11 12-13 N '66.

## YAROSLAVL—INDUSTRIAL BUILDINGS—DI SKES AND CONSTRUCTION

Difficulties of a very important construction project. I. U. Khuchev. *Nauch. soob. IAFAN SSSR* no. 8 107-110 '62.

Enterprise has been constructed in one and a half years. M. Kats. *V. Gruz. Nauch. soob. IAFAN SSSR* no. 8 107-110 '62.

## YAROSLAVL—PETROLEUM REFINERIES—DESIGN AND CONSTRUCTION

Advantages to refineries. I. A. Vasil'chenko. *Nauch. soob. IAFAN SSSR* no. 8 107-110 '62.

## YAROSLAVL PROVINCE—GEOLOGICAL TIME

Geological age of sediments of ancient Mologa. I. A. Loko. *Kh. A. Arshinov and others. Dokl. AN SSSR* no. 1 161-164 Ja '67.

## YAROSLAVL PROVINCE—SOILS—TITANIUM CONTENT

Titanium content of soils of Yaroslavl Province. I. A. Dobritskaya. *Pochvovedenie* no. 3 85-101 '67.

## YEAST

Characteristics of yeasts used for the production of yeast for fermentation. N. I. Morozov. *Trudy TashGU* 17 no. 11 12-13 N '66.

Effect of some monomers on the biological activity of yeast cells subjected to irradiation. I. U. Khuchev. *Nauch. soob. IAFAN SSSR* no. 8 107-110 '62.

From the work practice of the production of baker's yeast from molasses distiller's waste. M. A. Loko. *Trudy TashGU* 17 no. 11 12-13 N '66.

Measuring device for mass. N. I. Morozov. *Trudy TashGU* 17 no. 11 12-13 N '66.

Natural variability and selection of yeasts. N. I. Morozov. *Trudy TashGU* 17 no. 11 12-13 N '66.

New methods of controlling the quality of yeast. N. I. Morozov. *Trudy TashGU* 17 no. 11 12-13 N '66.

## YEAST—CULTURES AND CULTURE MEDIA

Controlled feeding of the medium in continuous culture of yeast. M. I. A. Kaluzhnyi. *Trudy TashGU* 17 no. 11 12-13 N '66.

Criterion of the biological abundance in analyzing the results of the biomass synthesis by feed yeast. N. I. Morozov. *Trudy TashGU* 17 no. 11 12-13 N '66.

Isolation and study of some population of yeast. N. I. Morozov. *Trudy TashGU* 17 no. 11 12-13 N '66.

Rhodotorula flava B-322 yeast as an indicator of the amino-benzole acid. S. V. Zhukova. *Trudy TashGU* 17 no. 11 12-13 N '66.

Significance of endogenous and exogenous nutrients in the ergosterol biosynthesis by yeast. T. A. Loko. *Trudy TashGU* 17 no. 11 12-13 N '66.

Variability of cytochrome systems in yeast. V. B. Zolotarev. *Trudy TashGU* 17 no. 11 12-13 N '66.

## YEMEN—INSCRIPTIONS, BABAEAN

A recently found fragment of a Sabaean inscription. A. G. Lando. *Trudy TashGU* 17 no. 11 12-13 N '66.

## YENAKIYEVO (DONETSK PROVINCE)—COKE INDUSTRY

In the Yenakiyevsk Coke and Coal Chemical Plant. A. G. Lando. *Trudy TashGU* 17 no. 11 12-13 N '66.

## YENISEY GOVERNMENT—FEBRUARY REVOLUTION, 1917

Soldiers of the Yenisey Government on the eve of the February bourgeois-democratic revolution. V. V. Klen. *Trudy TashGU* 17 no. 11 12-13 N '66.

## YENISEY—OSTIAKS see Kets

## YENISEY RANGE—GEOLOGICAL TIME

Genesis and age of slope block-rock debris-lithomorphs in northern part of Yenisey Range and northern part of Eastern Sayan. S. P. Gorshakov. *Dokl. AN SSSR* 172 no. 3 665-668 Ja '67.

## YENISEY RANGE—MINERALS

Significance of crystallography of arsenic minerals for solution of problems of petrology of igneous formation of Yenisey Range. A. L. Komov. *Trudy TashGU* 17 no. 4 589-602 '66.

## YENSEY RANGE—ROCKS, IGNEOUS

Significance of crystallochemistry of accessory minerals for solution of problems of petrology of intrusive formations of Yensey Range. I. L. Komov. Min. sbor. 10 no. 4:599-602 '66.

## YENSEY RIDGE—PEGMATITES

Gelucron in alkali pegmatites. I. I. Semenov. Trudy MGRE no. 4:85-89 '60.

## YENSEY RIDGE—ZIRCON

Gelucron in alkali pegmatites. I. I. Semenov. Trudy MGRE no. 4:85-89 '60.

## YENSEY VALLEY—DAUXITE

Prospects for finding bauxites in the middle of the Bakhta and Malaya Bakhtinka Basins. O. G. Shuliatin, V. L. Larov. Inform. biul. NUGA no. 15:61-71 '60.

## YENSEY VALLEY—KIRGHIZ

Azmatov, Atygal. [History of political relations between the Yensey Kirghiz and Russia in the 17th and the first half of the 18th century] Iz istorii politicheskikh otnoshenii etnitseskikh khuzov s Rossiiei v XVII-pervoi polovine XVIII vv. (in p.) Izd-vo Kirgizstan, 1966 90 p.

## YEREVAN see Erivan

## YERGENI HILLS—SOLONETZ SOILS

Changes in the physical properties of Solonetz soils of the Yergeni Hills caused by shrubs. A. I. Vadiunov. Pochvovedenie no. 1:31-39 Apr '60.

## YERUSLAN RIVER—SHIPPING

Utilization of the Bol'shoy Ig' and Yaruslan Rivers in transportation. P. D. Duchin, K. P. Chent'ov, Kh. T. Mersalimov. Ruch. transp. 20 no. 7:11-15 Jul '61.

## YETI

Stankevich, K. V. [On the trail of an astonishing mystery; from the diary of an expedition] Po sledam udivitel'noi zagadki, iz dnevnika ekspeditsii. [Moskva] Molodaiia gardiia, 1965. 197 p. (CU)

## YOSHKAR-OLA—CONSTRUCTION INDUSTRY

Burgers from Yoshkar-Ola. Na stroi Ros. 1 no. 9:22-25 '63.

## YOUNG COMMUNIST LEAGUE see Communist Youth League

## YOUTH

(see also subdivision under Germany, West)

Digelt, V. L. L. L. Agitator no. 17:54-57 S '62. The duty of fraternal friendship. III. Lektov. Mol. komm. no. 4:114-117 '66. "Our children will fight even better..." M. Mukhamet-zhanov. Mol. komm. no. 1:11-15 '66.

## YOUTH—EMPLOYMENT

Let's start our offensive, let's go to the construction sites of communism! Mol. komm. no. 12:3-7 D '61.

On the all-Union youth rally. Sov. tolg. 40 no. 12:7 D '66. Train young personnel carefully. Sov. tolg. 10 no. 12:4-7 D '66.

## YOUTH IN LITERATURE

Astray from the general line. A. Vlasenko. Mol. komm. no. 12:116-123 D '61.

## YOUTH MOVEMENT

Trabln, A. S. [The Bolshevik Party as the leader of the revolutionary movement of the young workers in 1917] Partiya bol'shevikov - rukovoditel' revoliutsionnogo dvizheniya rabochei molodezhi v 1917 godu. Krasnodar, Krasnodarskii gos. pedagog. in-t, 1965, 174 p. (CS-11)

## YTTERBIUM—METALLURGY

Isanthano- and ceriothermic reduction of ytterbium oxide. O. G. Gvatselani, A. A. Nadiradze. Izv. AN SSSR, Met. no. 1:213-216 Jan-F '67.

## YTTRIUM ALLOYS

Paramagnetism of Tb-Y and Ho-Y alloys. G. A. Shafgulin, V. I. Chachernikov, I. A. Mikhova. Vest. Mon. un. Ser. 3; Fiz., astron. 21 no. 6:96-97 N-D '66.

## YTTRIUM COMPOUNDS

Crystal structure of the rhombohedral modification of the YAl<sub>3</sub> compound, I. I. Zaitakyt and others. Dop. AN URSS no. 10:1287-1290 '66.

## YTTRIUM-DYSPROSIUM ALLOYS see Dysprosium-yttrium alloys

## YTTRIUM ISOTOPES—SPECTRA

Studying Y85 and Y88 radiation. K. A. Baskova and others. Vest. Mon. un. Ser. 3; Fiz., astron. 21 no. 6:15-18 N-D '66.

## YTTRIOFLUORITE see subdivision under Asia, Central

## YUAN, CH'UNG-HUAN, d. 1930

"Yuan Ch'ung-huan's patriotic ideas" by Ya Kung. Abstract from "Shih hsiieh yueh k'uan" no. 5 1960 by V. I. Kudin. Sov. kit. lit. posobichestv. naukam no. 42:43-45 '61.

## YUGOSLAV STATESMEN see Statesmen, Yugoslav

## YUGOSLAVIA—APARTMENT HOUSES—DESIGN AND CONSTRUCTION

"IMS ZHIFZHL" method. Dorde Mesarovic. Stroj. i arhitekt. Lom. 20 no. 1:32-34 Jan '67.

## YUGOSLAVIA—BIBLIOGRAPHY

[New literature on Yugoslavia] Nov. lit. po IUG. no. 1 '67.

## YUGOSLAVIA—COMMERCE—RUSSIA

Soviet-Yugoslav trade relations. Vnesh. tolg. 46 no. 11:16 '66.

## YUGOSLAVIA—ECONOMIC POLICY

Characteristics and forms of the administration of the Yugoslav national economy. B. Blagojevic, V. Krulj. Sov. gos. i pravo no. 1:106-113 Jan '67.

## YUGOSLAVIA—EDUCATION

Short reports. Nar. obr. no. 1:101 Jan '67.

## YUGOSLAVIA—HISTORY

Position of the class forces in Yugoslavia in 1944 and 1945. L. A. Giliarskii. Sov. slav. no. 1:3-18 '67.

## YUGOSLAVIA—INDUSTRIAL MANAGEMENT

Characteristics and forms of the administration of the Yugoslav national economy. B. Blagojevic, V. Krulj. Sov. gos. i pravo no. 1:106-113 Jan '67.

## YUGOSLAVIA—SOIL FORMATION

Characteristics of soil formation on limestones and the fundamentals of their classification. M. Ch. L. Pochvovedenie no. 1:170-78 Jan '67.

## YUZHNO-SAKHALLENSK—SWINE

Scalding or skimming? L. Ben'kovskii. Zhukup. sel'khoz. prod. no. 12:34 D '66.

## ZABOLOTYNI, DANIL KRILLOVICH, 1809-1929

D. K. Zabolotnyi on 100th anniversary of his birth. V. I. Bilal. Miki obitologia 35 no. 8:112-114 N-D '66.

## ZABOLOTSKII, NIKOLAI ALEKSEEVICH, 1903-1956

Turkov, A. M. Nikolai Zabolotskii. Moskva, Khudozh. lit-1, 1965. 141 p. (CU)

## ZAGONEK, VIACHESLAV FRANTSEVICH

At the entrance of Vlachoslav Zagonek. N. Pichkova, I. Pichkova. Inkusivo 20 no. 12:20-23 '66.

## ZAGORANY (WHITE RUSSIA)—WORLD WAR, 1939-1945

Heroic defense of the Zagorany fortress. T. Maslov. Voen. ist. zhur. 9 no. 1:13-17 Jan '67.

## ZAHILSKIY ALATAU see Trans-Altaian

## ZAIKA, MATE, 1896-1937

A fine name, a high honor. Todor Gladkov. Mol. komm. no. 1:106-112 '66.

## ZAMANKUL OIL FIELD—PETROLEUM GEOLOGY

Mode of occurrence and properties of Nizozole oil in Zamankul oil field. V. I. Kononov, V. P. Kymov. Geol. nefit i gaza 10 no. 12:33-35 D '66.

## ZAPADNAYA DVINA see Western Dvina Valley

## ZAPOROZH'YE PROVINCE—LABOR REST HOMES

That in the way they rest in Zaporozh'ye. IU. P. Ishovskii. Sov. profsoyuz 23 no. 1:30 Jan '67.

## ZAPOROZH'YE PROVINCE—LEISURE

That in the way they rest in Zaporozh'ye. IU. P. Ishovskii. Sov. profsoyuz 23 no. 1:30 Jan '67.

## ZARDADI, GASAN-BEK MELIKOV, 1837-1907

Character of G. M. Zardadi's philosophy. Z. B. Getushev. Nauch. dokl. vys. shkoly, filol. nauki 4 no. 1:134-139 '61.

## ZAYAL'NIUK, LEONID

Friends and enemies. V. Sergeev. Nov. mir 36 no. 10:230-240 O '62.

## ZDANOVICH-MALASHIVILLI, GEORGI, 1854-1917

Georgians in the liberation movement of Russia in the second half of the 19th century; Georgii Zdanovich-Malashivili. I. G. Antelava. Soob. AN Gruz. SSR 44 no. 3:839-844 D '66.

## ZEMSTVO

Advanced training and specialization of zemstvo physicians, on the 60th anniversary of Leningrad Institute for Advanced Training of Physicians. V. Ch. Brzhevskii. Sov. med. 20 no. 11:138-140 N '66.

## ZEOLITES

Catalytic conversion of 1-ethyl-1-cyclopentanol in the presence of hydrogen zeolites and anilicene. Kh. I. Arushidze, T. N. Cherkiziani, A. V. Dolidze. Soob. AN Gruz. SSR 44 no. 2:297-304 N '66.

Comparative characteristics of some zeolites based on infrared spectroscopy data and the form of molecular load in natural waters. G. V. IUPhovich and others. Geokhimiia no. 10:849-854 '61.

Removal of oxygen impurity from argon on synthetic zeolites. G. A. Golovko and others. Soob. AN Gruz. SSR 44 no. 2:289-296 N '66.

Separation of cerium (3) and yttrium ions by electrodialysis through zeolite membranes. V. A. Khokhlov, V. V. Serebrennikov. Trudy TGU 185:60-63 '66.

Statistical thermodynamics of adsorption equilibrium for zeolites. V. A. Bakae, Dokl. AN SSSR 167 no. 2:369-372 Mar '66.

Structural changes in synthetic sodium zeolites of chabazite-gmelinite group. F. F. Senderov, I. N. Shishakii. Izv. AN SSSR Ser. khim. no. 1:165-167 Jan '67.

## ZERAVSHAN RANGE REGION—LANDFORMS

An attempt to analyze the morphological structure of the landforms of piedmont plains and the characteristics of their study, piedmont plains of the western part of the Zerafshan Range. I. Alibekov. Izv. Uzb. fil. Gecg. ob-va 9:78-83 '66.

## ZERAVSHAN VALLEY—STOCK AND STOCKBREEDING

Development of stockbreeding in the Zerafshan basin. K. Abrikulov. Izv. Uzb. fil. Gecg. ob-va 9:107-111 '66.

## ZETKIN, KLARA, 1857-1933

Our Klara. I. I. Aveia Drabkina. Nov. vrem. 25 no. 10:7-5 Mar '67.

## ZETKIN, KONSTANTIN

Rosa Luxemburg on art, from letters written to Konstantin Zetkin. Vop. lit. 5 no. 9:186-186 S '61.

## ZHADIN, VLADIMIR IVANOVICH, 1896-

Vladimir Ivanovich Zhadin; on his 70th birthday and 50th anniversary of his scientific, pedagogic, and social activity. I. I. Stakobogov. Gidrobiol. zhur. 2 no. 6:3-5 '66.

## ZHDANOV, GERMAN STEPANOVICH, 1906-

German Stepanovich Zhdanov; on his 75th birthday. Vest. Mosk. un. Ser. 3; Fiz., astron. 21 no. 6:118-120 N-D '66.

## ZHELIGOVSKI, VLADESLAV ALEKSANDROVICH, 1891-

Anniversary of Academician of the All-Union Academy of Agricultural Sciences V. A. Zheligovskii. Trakt i sel'khoz. mash. no. 1:1 of cover Jan '67.

## ZHDANOV—ROLLING MILLS

Construction of a "150" slabbing mill in Zhdanov. I. A. Saenko. Prom. stroi. 39 no. 12:3-8 '61.

## ZHELEZNIKOVA, ANATOLI GREGOR'EVICH, 1885-1910

Savior of the revolution. A. P. Vokhlov. Voen. znan. 43 no. 1:111 Jan '67.

## ZHIGANSK DISTRICT—PHYTOGEOGRAPHY

Vegetation of Zhigansk District. L. A. Dolretsova. Nauch. soob. IAPAN SSSR no. 8:3-25 '62.

## ZHIMERIN, DMITRI GEORGEVICH, 1906-

D. G. Zhimerin; on his 60th birthday. Flek. sta. 37 no. 12:88 D '66.

## ZHITOMIR PROVINCE—PALYNOLOGY

Spores and pollen in sediments preceding the Upper Cretaceous in Zhitomir Province. IF. T. Lomatsva. Geol. zhur. 21 no. 2:102-103 '61.

## ZHURA, KUZ'MA DANILOVICH, 1897?-

Professor K. D. Zhura's 70th birthday. Sakh. prom. 41 no. 1:15 Jan '67.

## ZHURAVSKI, ANDREI MITROFANOVICH, 1834-

Professor A. M. Zhuravskii, on his 70th birthday. Zap. LGI 13 no. 3:3-8 '64.

## ZIL'BER, LEV ALEKSANDROVICH, 1894-1966

Lev Aleksandrovich Zil'ber (1894-1966); an obituary. Zhur. mikrobiol., epid. i immunit. 44 no. 1:155-157 Jan '67.

## ZINC

Mechanism of zinc passivation in strong zincate solutions of alkali. T. I. Popova, N. A. Simonova, B. N. Kabanov. Elektrokhimia 2 no. 12:1478-1479 D '66.

Unit for zinc regeneration. M. I. Egorova. Prom. Bel. 10 no. 2:33 F '67.

## ZINC—ANALYSIS

Russia (U.S.S.R.) Komitet standartov, nye i izmerti-  
tel'nykh priborov [Zinc, methods of chemical analysis]  
TSink, metody khimicheskogo analiza. GOST 11684-66 -  
GOST 11689-66 Izd. ofitsial'nue. Moskva, Izd-vo  
Standartov, 1966. 38 p. (SSSR Gosudarstvennye  
standarty)

## ZINC-COBALT ALLOYS

Special features of a simultaneous discharge of zinc and  
cobalt from sulfate solutions G. N. Znamenskiy, A. P.  
Marantov, V. V. Stender Zhur prikl. khim. 31 no. 6  
1305-1311 Je '61

## ZINC-COPPER ALLOYS see Copper-zinc alloys

## ZINC ELECTRODES see Electrodes, Zinc

## ZINC-GOLD-SILICON ALLOYS see Gold-zinc-silicon alloys

## ZINC HYDROXIDE

Preparation of zinc powder by electrolysis of zinc  
hydroxide alkaline pulp. V. A. Shorin, V. I. Kunin,  
Izv. vys. ucheb. zav., khim. i fizika, tch. 9 no. 5 769-801  
'66

## ZINC INDUSTRY—PRODUCTION STANDARDS see subdivision under Chikment

## ZINC METABOLISM

Zinc metabolism in cells of the hemopoietic system in  
proliferative diseases V. P. Lavrovich and others  
Probl. gemat. i perel. Provi. 10 no. 12 32-35 D '65.

## ZINC ORES see subdivision under Balkai Lake region, Transbaikalia

## ZINC OXIDE

Kinetics of zinc oxide reduction by metallic iron from  
silicate melts. V. I. Okunev, V. M. Chumarev, Dokl.  
AN SSSR 172 no. 1 153-155 Ja '67.

## ZINC PLATING

Simultaneous effect of various absorbed particles on  
kinetics of electrochemical zinc ion reduction V. T.  
Vagranian, V. N. Titova Zashch. met. 3 no. 1402-  
104 Ja-F '67

TSkol', D. N., M. P. Gracheva, and A. M. Lampot'skiy.  
[Necyanide electrolytes for bright zinc plating] Neisla-  
nistye elektrolity blestiaschego tsinkovaniya. Leningrad,  
1966. 15 p. (Leningradskiy dom nauchno-lekhnicheskoy  
propagandy. Peredovoi proizvodstvennyy opyt. Seriya  
Uluchshenie kachestva, povyshenie nadezhnosti i dolgo-  
vechnosti mashin, priborov i drugikh promyshlennyykh  
izdelii)

Zinc plating of internal surface of pipings. G. G. Mashuts-  
kiy, N. D. Khokhlova. Tekh. i org. proizvod., no. 6 66-67  
N-D '66

## ZINC SEARATE

Zinc searates, M. S. Levit, G. V. Polkovnikova. Masl.-  
zhir. prom. 32 no. 11 32-33 N '66

## ZINC TELLURIDE CRYSTALS

Electroluminescence of ZnTe I. K. Vereshchagin, V. V.  
Guts. Izv. vys. ucheb. zav., fiz., 9 no. 6 143-144 '66

## ZININ, NIKOLAI NIKOLAEVICH, 1812-1880

Gumilevskiy, L. I., Zinina, Moskva, Molodaya gvardiya,  
1965. 289 p. (Zhizn' zamechatel'nykh liudei. Soritsa  
biografiy, no. 9(404))  
(FTaSU)

## ZIRCON

(see also subdivision under Caucasus, Northern,  
Kokchetav Upland, Mugodzhur Hills, Timan  
Range, Transbaikalia, Ural Mountain region,  
Ural Mountains; Ypsilsey Ridge)

Generations of accessory zircon. P. A. Mischenko,  
E. P. Gurev. Min. sbor., 20 no. 1 593-595 '66.

Problem of morphology of accessory zircon G. Hoppe  
Min. sbor. 20 no. 1 551-556 '66

## ZIRCON—SPECTRA

Diagnostics of minerals of titanium-zircon placers using  
method of infrared spectroscopy A. I. Boldyrev, L. I.  
Morozova. Min. sbor. 20 no. 2 272-279 '66.

## ZIRCONATES

Rare earth zirconates and their physicochemical prop-  
erties. Report No. 3. Some irregularities in the formation,  
physicochemical and technical properties of zirconates.  
A. K. Kuznetsov, L. K. Kelez. Izv. AN SSSR, Ser. Khim.,  
no. 12-2073-2079 '66.

## ZIRCONIUM—ANALYSIS

Separation of zirconium from the sum of fission frag-  
ments. I. I. Krivonozhin, N. I. Usacheva. Radiokhimiya  
no. 6, 700-710 '66

## ZIRCONIUM COMPOUNDS

Existence of multiple bonds Zr=O and Hf=O in solutions  
of complex zirconyl and hafnyl salts I. P. Lipatova, F. I.  
Semenova. Izv. AN SSSR, Ser. Khim. no. 1 6-9 Ja '67

Perchlorates of zirconyl and hafnyl. M. M. Belikova and  
others. Trudy TGU 185 161-167 '65.

## ZIRCONIUM DIOXIDE—THERMAL PROPERTIES

Enthalpy and the heat capacity of zirconium dioxide in  
1100°-2500°K temperature range. V. A. Khilkin and  
others. Teplofiz. vys. temp., 4 no. 6 878-879 N-D  
'66

## ZIRCONIUM PHOSPHATES

Dehydration of l-pentanol and cyclohexanol in the pres-  
ence of zirconium phosphate V. Z. Shvif and others  
Izv. AN SSSR, Ser. Khim. no. 1 16-19 Ja '67

## ZIRCONYL COMPOUNDS

Chloro- and oxalato-combining compounds with zirconyl  
group L. M. Zaitsev, V. N. Korobanikova. Zh. prikl. khim.  
12 no. 1 133-136 Ja '67

## ZNAMENSK DISTRICT—OAK

Growth of oak on gray forest soils and under shelter belts  
of the Chernyy Les. A. A. Shubakov. Izv. vys. ucheb.  
zav.; les. khoz. 9 no. 6 75-77 '66

## ZONE MELTING

Crystallization of an ingot following electric slag remelt-  
ing. Report No. 2. M. N. Mananov and others. Izv.  
vys. ucheb. zav.; chem. met., 10 no. 1 61-65 '67

Unit for zone cleaning of high-melting metals. V. K.  
Popov, B. A. Popovich. Tekhn. sbor. no. 140 95 '66

## ZOOGEOGRAPHY

Petrov, O. V. [Zoogeography with the principles of zooto-  
py, a methodological manual for students of evening and  
correspondence courses of the geography department of  
state universities] Zoogeografiya s osnovami zootopii,  
metodicheskoe posobie dlya uchashchikhsya studentov i  
vechernego i zaokhnogo otdeleniya geograficheskogo  
fakulteta gosudarstvennykh universitetov. [Leningrad]  
Izd-vo Leningrad. univ., 1966. 68 p.

## ZOOLOGICAL MUSEUMS see subdivision under Ukraina

## ZOOLOGY—VARIATION

Study of spontaneous mutation rate in mammalian cell  
cultures. N. I. Shapko, O. N. Petrova, A. I. Khafizov.  
Genetika no. 12 5-17 '66.

## ZOOPLANKTON

(see also subdivision under Antarctic Ocean,  
Black Sea, Caspian Sea, Nardarizov, Lake,  
Georgia)

Construction of self-dissolution curve by using radio-  
carbon method. V. I. Kider, R. Z. Kovalevskaya,  
Mikrobiologiya 35 no. 6 1100-1103 N-D '66.

## ZUYATA CAVE

Formation of a new entrance in the Zuyata Cave I. A.  
Shumanovskiy. Peshchery no. 3 31-35 '62.

## ZYGOTES

Zygote induction in crosses of typing and nontyping strains  
of Escherichia coli. A. P. Pekhov, G. N. Polubnyy,  
Zhur. mikrobiol., epid. i immu. 14 no. 1 41-44 Ja '67

